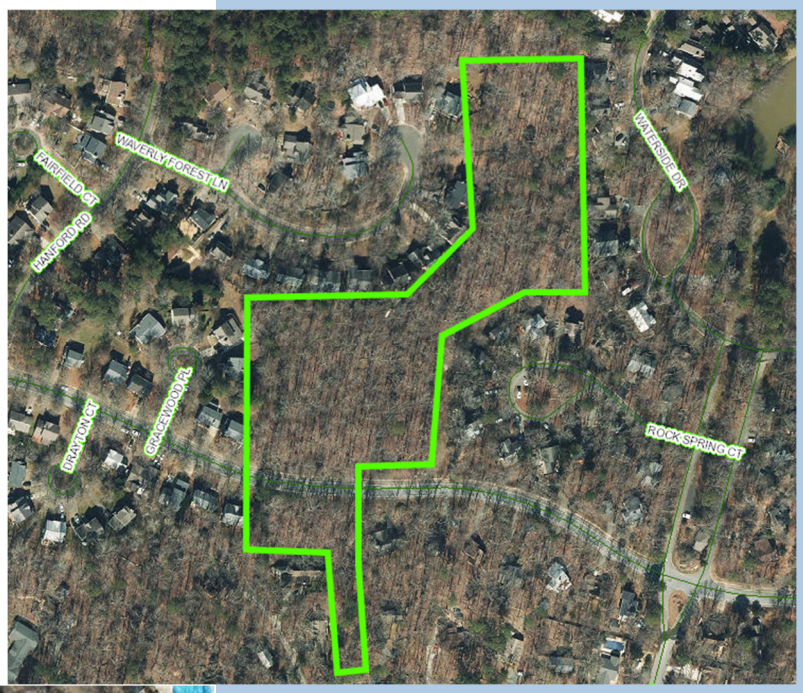
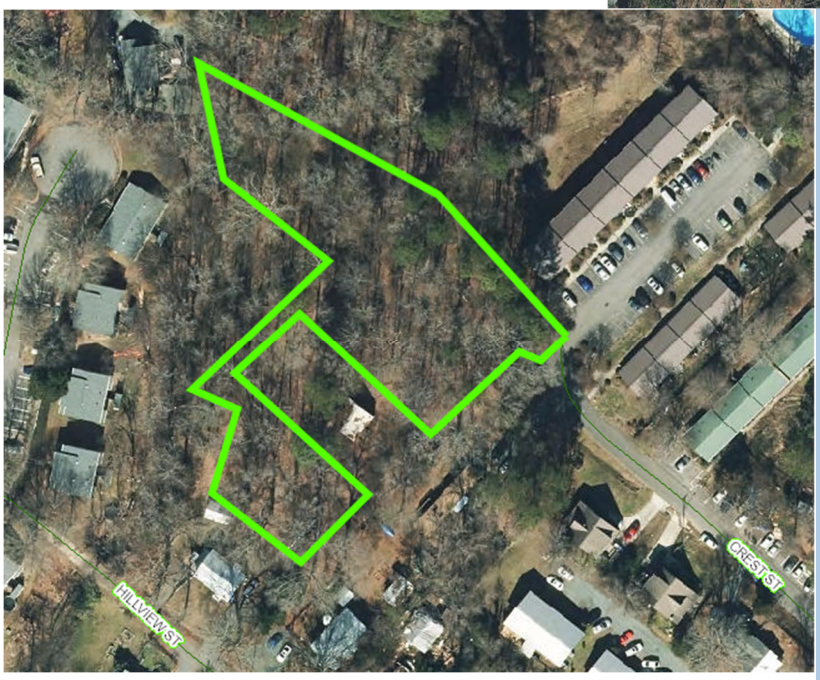
SUMMIT
DESIGN AND ENGINEERING SERVICES

PRELIMINARY GEOTECHNICAL REPORT



Pathway Drive



Crest Street

Pathway Drive and Crest St.

Carrboro, North Carolina
Orange County
Pathway Drive Pin ID:
1816 Pathway Dr: 9779427516
1814 Pathway Dr: 9779429615
1814-A Pathway Dr: 9779531130
Crest Street Pin ID: 9778899390

Prepared for:
Anne-Marie Vanaman
Town of Carrboro

Prepared by:
Summit Design and Engineering Services, PLLC
6/11/2024
Summit Project No. 23-0350.204

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SUMMIT
DESIGN AND ENGINEERING SERVICES

320 Executive Court, Hillsborough, NC 27278
Phone // 919.732.3883 Web // www.summitde.net

June 11, 2024

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Reference: **Preliminary Subsurface Exploration and Geotechnical Evaluation**
Town of Carrboro
Carrboro, North Carolina
Summit Project No. 23-0350.204

Dear Ms. Vanaman:

Summit Design and Engineering Services, PLLC (Summit) is pleased to submit this report of our subsurface exploration and preliminary geotechnical evaluation for the proposed due diligence investigation for potential affordable housing units in Carrboro, North Carolina. Our services were provided in accordance with Summit's Proposal dated January 27, 2023. This report presents a review of the project information provided to us, a discussion of the site and subsurface conditions revealed during our field investigation, and our preliminary engineering recommendations regarding geotechnical related aspects of the proposed construction. The Appendix of this report contains a boring location diagram, the soil test boring logs, and the results of our laboratory testing.

PURPOSE OF STUDY

The purpose of the exploration was to evaluate subsurface soil conditions as they relate to site grading, excavation, building foundations, and pavement subgrade support. More precisely, the scope of the investigation included the following objectives:

- Provide a general description of the site, existing subsurface soils, and groundwater conditions.
- Provide results of laboratory tests.
- Determine the depth and location of any partially weathered and hard rock encountered in borings.
- Provide preliminary recommendations for residential foundation systems with applicable design criteria.
- Provide construction and earthwork recommendations for subgrade preparation, excavation of on-site materials, fill placement, and groundwater control.
- Provide general light- and heavy-duty pavement design recommendations for flexible (asphalt) and rigid (concrete) pavement sections. Traffic data (counts) will be needed to provide an actual pavement design (if needed).

It should be noted that no wetland delineation was included in the scope of this geotechnical investigation. A Phase 1 Environmental Site Assessment was performed by Summit, the findings of which are included in a separate report.

SUMMARY OF FINDINGS

A brief outline of our preliminary recommendations is summarized in Table 1. The following summary of recommendations should not be used exclusively as an evaluation of this site. The following sections of this preliminary report present, in detail, the results of our geotechnical evaluation and should be carefully read.

Table 1
SUMMARY OF PRELIMINARY RECOMMENDATIONS

Recommended Foundation System	Shallow Foundations including Spread Footings and Continuous Wall Footings; or Monolithic Slab with Turn Down Footings
Maximum Allowable Bearing Pressure	2,000 psf for foundations on residual soil or controlled fill soils, or weathered rock
Controlled Fill Soils	On-site CL, ML, or SM OR Imported soils with classification of GW, GM, GC, SW, SM, SC, ML or CL
Density Requirements	Compact to 95% of Standard Proctor maximum dry density with final foot to 98% OR As required by ordinances established by local municipalities, whichever is stricter

PROJECT INFORMATION

We understand the Town of Carrboro is considering constructing affordable housing units on two different sites, Pathway Drive (6.33 acres) and Crest Street (1.08 acres). The town currently owns these properties and wanted a due diligence-type investigation performed for site suitability for construction. Therefore, final grades of the proposed development have not been determined at this time. Absent of final bearing elevations, the findings of this report at this time should be considered preliminary. Settlement associated with this type of development is typically induced by embankment fills, which at this time is unknown. Therefore, a settlement analysis is not included in this preliminary report.

FIELD EXPLORATION

Our field exploration included the drilling of six soil test borings and one hand auger boring. The borings were advanced to depths of between 6.9 and 15.0 feet below the existing ground surface. The borings were located in the field by personnel from Summit using a handheld GPS unit. Ground surface elevations shown on the boring logs were estimated using Google Earth. Therefore, the elevations should be considered approximate.

The borings were performed using 3-¼ inch hollow stem augers with a CME-550X on a rubber-tired carrier. Standard Penetration Tests (SPT) were performed at selected intervals with a split spoon sampler to determine N-values and obtain representative soil samples. Soil samples were taken at 2.5-foot intervals above a depth of 10 feet and at 5-foot intervals below 10 feet. Standard Penetration Testing was performed in general accordance with ASTM D1586. The N-values are used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils.

Representative samples were sealed and transported to our laboratory, where they were examined and visually classified by a professional geologist and select samples tested. Soil classification was performed in general accordance with Unified Soil Classification System (USCS) guidelines. Final boring logs, included in the Appendix of this report, represent an interpretation of the geologist's field logs, the geologist's evaluation of the samples, standard penetration tests values, and results of our laboratory testing. Naturally, transitional changes in soil types are often gradual and cannot be defined at a particular depth.

FINDINGS

Site Description

The project consists of two separate sites both of which are currently wooded areas surrounded by residential neighborhoods. The site adjacent to Pathway Drive consists of three separate contiguous parcels totaling 6.33 acres. A west-to-east flowing creek transects the northern end of this site, and Pathway Drive transects the southern end of this site. The topographic high of approximately 512 feet is located near the southwestern corner of the property. The topographic low is approximately 430 feet and is located at the northeastern corner of the property. The relief at this site is 82 feet.

The site adjacent to Crest Street consists of one parcel totaling 1.08 acres. A west to east flowing creek and sewer easement transects this site. The topographic high of approximately 430 feet is located near the southeastern corner of the property. The topographic low is approximately 402 feet and is located on the north side of the property. The relief at this site is 28 feet.

Area Geology

The project site is located in Orange County, North Carolina, within the Carolina Slate Belt. The Carolina Slate Belt formed 550 to 650 million years ago from metamorphosed volcanic and sedimentary rocks. Common within the rock formations of this region are felsic and mafic volcanic rocks and felsic igneous intrusions (intrusive rocks). Within the intrusive category, granites, quartz monzonites, granodiorites,

quartz diorites, and diorites to gabbros are seen. This type of rock generally weathers to produce a relatively thin residual soil overburden consisting primarily of silts with the occasional boulder. More specifically, the site appears to be underlain by intermediate metamorphosed volcanic rocks. This bedrock type is of intermediate composition and generally weathers deeply to produce clayey and sandy soils. Due to the near-vertically inclined bedding of this rock formation, irregular bedrock profiles are common, and sudden transitions between soil, weathered rock, and bedrock should be anticipated at this site.

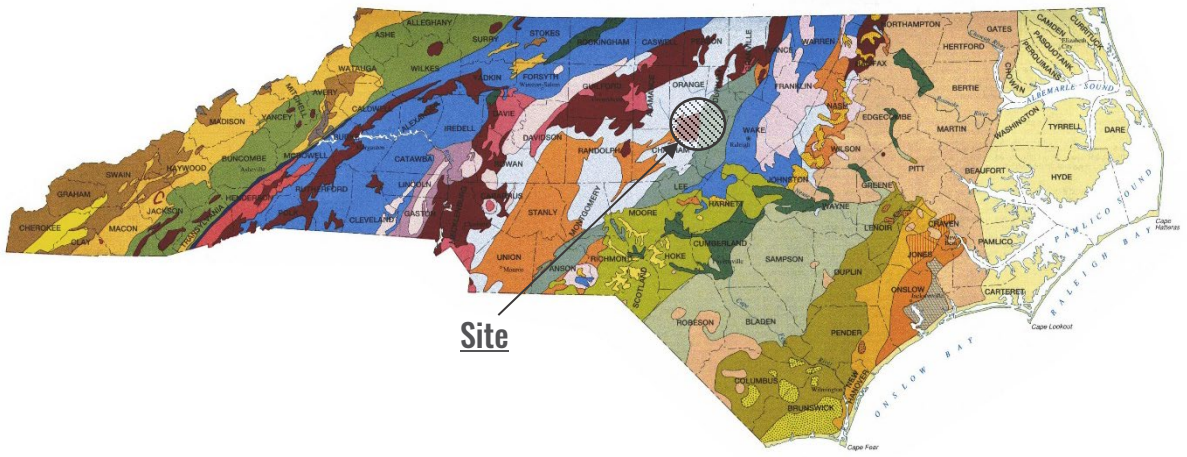


Figure 1: North Carolina Geological Survey, 1985

Subsurface Conditions

Details of soil conditions encountered during our field exploration are shown on the individual boring logs included in the Appendix. Stratification boundaries shown on the boring logs represent the approximate elevation of changes in soil type; however, the in-situ transition may be gradual. This section of the report provides a general discussion of subsurface conditions encountered at the site during our subsurface exploration.

From the ground surface residual soils were observed in all seven borings extending to depths of between 6.9 to 15.0 feet. These residual soils consisted of Lean CLAY (CL), Sandy SILT (ML) and Silty SAND (SM). N-Values within the residual soils ranged between 3 and 62 blows-per-foot (bpf) and averaged 21 bpf. Any topsoil, if encountered at all, was less than 1-inch in thickness in the borings. Since these sites are wooded, stumping and grubbing activities may reveal root material from mature trees up to 2 feet in depth.

Weathered Rock was encountered in five borings between depths of 6.0 and 14.0 feet. Bedrock was encountered in three borings (i.e., C-1, C-2, and P-3) between depths of 6.9 and 12.0 feet.

After completion of drilling, five of the borings were left open for twenty-four hours and checked for groundwater. Groundwater was encountered in one of the borings (i.e., C-2) at 3.5 feet. It should be noted that groundwater levels should be expected to fluctuate depending on seasonal or climatic changes.

Laboratory Results

Summit's laboratory testing included percent passing No. 200 sieve, natural moisture content and Atterberg Limit tests (liquid limit plasticity index). Laboratory tests were conducted on split spoon samples of the surface materials recovered from selected borings. The results of our laboratory classification tests are presented in Table 2.

Table 2
SUMMARY OF LABORATORY RESULTS
Atterberg Limits, Natural Moistures & % Passing #200

Boring No.	Sample Depth(ft.)	LL	PI	Natural Moisture (%)	% Passing #200 (%)	USCS Classification
C-1	1.0 – 2.5	35	15	23.0	59.6	CL
C-2	1.0 – 2.5	17	NP	14.2	51.1	ML
P-1	1.0 – 2.5	46	19	28.4	81.8	CL
P-2	1.0 – 2.5	48	17	32.0	88.9	ML
P-3	1.0 – 2.5	47	19	26.0	90.5	ML
P-4	3.5 – 5.0	45	15	30.7	68.4	ML

CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations presented in this report are based on the data obtained from the field exploration and laboratory testing program, information regarding the proposed development and our knowledge of geomechanics. Our knowledge of the proposed development is limited in that grading information was not available; however, based on our findings we believe that the subject site is suitable for the proposed development provided the preliminary geotechnical recommendations and suggested construction guidelines presented in this report are utilized in both the design and construction phases of this project.

Site Preparation

Site preparation should begin with the clearing of all vegetation and the stripping of all topsoil and root mat from areas designed for construction of buildings or roadways. Topsoil may be stockpiled to be reused for landscaping purposes.

After achieving final subgrade in the undercut areas and prior to placing fill in any areas below finished subgrade, it is recommended that the stability of the exposed subgrade be evaluated by proofrolling. Proofrolling should be performed with a loaded tandem-axle dump truck with a minimum weight of 15 tons and a maximum weight of 25 tons. Proofrolling will help reveal the presence of unstable materials not identified during our drilling activities. It is recommended that a geotechnical engineer

from Summit observe all proofrolling activities. Areas observed to rut, pump, or deflect during the proofrolling process should be stabilized as recommended by the geotechnical engineer.

The most practical stabilization measure will be influenced by the degree of instability which exists and the weather conditions. As such, actual repairs will be determined in the field at the time of construction. Possible repair measures include undercutting to stable soils, discing / drying / compacting existing soils, placement of a geotextile stabilization fabric and crushed stone, or some combination of these.

The fine-grained Silts and Clays at this site are moisture sensitive and can lose considerable strength at elevated moisture conditions. Some undercutting may be necessary if these soils become wet and softened prior to proofrolling.

Proper site drainage should be maintained during earthwork operations to reduce accumulation of moisture, minimize wet weather delays and subgrade repairs. If the surface soils become softened or freezes during wet weather, the soil subgrade should be removed or repaired before additional fill is placed at the direction of a Geotechnical Engineer from Summit. The ground surface in the vicinity of the construction site should be graded to provide positive drainage of the surface water flows. It is recommended that the surface of all exposed subgrade areas be sealed with a smooth-drum roller at the end of each day's earthwork activities, to promote runoff and reduce infiltration from rainfall. Further protection of the site should include the construction of temporary ditches, berms, or other surface water diversion devices to divert surface water from, and not across, the site.

Excavations

Most of the on-site soils can be excavated by routine earth-moving equipment. Based on the soil test borings, we expect that weathered rock and bedrock will be encountered during excavations. Guidelines for excavating weathered rock are provided in this section in the event they are encountered during excavation.

Partially Weathered Rock

Partially weathered rock having standard penetration resistance values of approximately 50 blows per 4 inches to 50 blows per 6 inches and can often be ripped using a CAT D-8 bulldozer or equivalent, with a single-toothed ripper. Partially weathered rock having standard penetration resistance values of approximately 50 blows per 1 inch to 50 blows per 3 inches usually requires some blasting or the use of pneumatic hammers to pre-loosen these materials.

Within confined excavations (trenches or structure footings), a large track-mounted backhoe, such as a CAT-330 or larger with rock teeth, may be capable of removing a portion of the weathered rock. However, the excavation process is also typically very slow. Therefore, it is generally more expedient to pre-loosen partially weathered rock with light blasting or pneumatic hammers within confined excavations.

Trench Excavations

For confined excavations, trench safety must be evaluated on a case-by-case basis. The contractor will be responsible for all site safety, including the determination of appropriate trench safety measures according to OSHA guidelines. Water seepage should be taken into account.

Groundwater

As previously stated, groundwater was observed in one soil test boring (i.e., C-2) 24 hours after drilling at a depth of 3.5 feet. Depending on the final grades during site development, groundwater, or seepage due to perched water, may be encountered during construction. If encountered, remedial measures may require the construction of a permanent French drain system or possibly temporary control of seepage by the use of pumps placed in excavated sumps.

Cut and Fill Slopes

We recommend that permanent fill or cut slopes be constructed at 3:1 (H:V). Slopes should be vegetated as soon as possible to reduce surface erosion. Typically, mowers and other landscaping equipment can operate safely on slopes of 3:1 (H:V) or flatter. The curb or edge of pavement should be set back a sufficient distance, at least 5 feet, from the crest of any slope to avoid creating slope instability due to the surcharge loading. Buildings should be located no closer than 10 feet from the top of slope.

During the grading of the site, any natural slopes that exceed 4:1 (H:V) should be benched prior to receiving fill materials in order to key new fill into existing soils. The frequency or vertical spacing of the benches will be a function of the inclination of the existing slope and the depth of fill; however, the maximum vertical spacing of benches should not exceed about 4 feet. Material cut from the benches can be reused as fill material in the lower bench provided it is not otherwise unsuitable material, such as organic or highly plastic soils. Experience indicates that it is difficult to achieve adequate compaction near the surface of fill slopes. To improve compaction and reduce potential sloughing, fill slopes should be overbuilt beyond the design geometry and cut back to firm material following compaction.

The soils at the site will be susceptible to erosion from rainwater runoff, particularly when used as fill. We recommend that a berm or ditch be constructed at the top of all slopes to divert surface water from flowing over the embankment. If seepage is observed along permanent cut slopes, flattening of the slope angle, installation of toe drains, or other measures may be required to improve long-term stability. A geotechnical engineer from Summit should be consulted to assist in the remediation of seepage issues.

Controlled Fill

Any imported controlled fill should have a Plasticity Index (PI) not exceeding 25 and a Liquid Limit (LL) not exceeding 50 (Unified Soil Classifications GW, GM, GC, SW, SM, SC, ML, and some CL). Soil samples may be submitted to Summit's Soils Laboratory for USCS classification testing. In addition to this requirement, the moisture content for all controlled fill used onsite should be properly controlled during placement and compaction. Any material to be utilized as fill should not contain rock greater than 3″ in diameter.

The fill material should be placed in 8″ to 10″ loose lifts and compacted to at least 95 percent of the material's maximum dry density as determined by the Standard Proctor Compaction Test (ASTM D 698) and within 3 percent of the material's optimum moisture content. Fill within 12 inches of finished subgrade should be compacted to at least 98 percent. In-place soil density testing should be performed during fill placement to confirm that the degree of compaction is achieved. Densities should meet either the above requirements or the density requirements established by local municipalities, whichever is stricter.

Foundation Considerations

The proposed residential structures may be supported on shallow foundations bearing on either acceptable residual soils or properly placed and compacted controlled fill. The allowable bearing pressure will depend on the final bottom of footing elevations. Preliminary estimates indicate that the residual soils or compacted structural fill soils or weathered rock can support spread footing bearing pressures of 2,000 psf with the recommended undercut and at the proper embedment depth. Footings should be embedded at least 18 inches below finished exterior grade for protection against frost heave. Individual pier footings should be at least 24 inches wide and continuous wall footings have a minimum width of 18 inches for punching (localized) shear failure considerations. Punching shear failure can occur when footings are too narrow.

Settlement

For footings designed utilizing the recommended bearing pressures, we anticipate a maximum total post-construction settlement of less than 1 inch, with the anticipated maximum differential settlement of 1-inch in 30 feet. We anticipate that these magnitudes of total and differential settlements will be acceptable for the proposed structures; however, this assumption should be confirmed by the project structural engineer prior to construction.

Slabs & Pavements

Based on our experience with soils similar to those encountered at the site, typical CBR values in the range of 4% to 6% can be considered for conceptual design of flexible pavements, and subgrade modulus values (thirty (30) inch diameter plate) in the range of 100 to 150 pci should be reasonable for conceptual design of rigid pavements and floor slabs. Again, additional evaluation will be required to properly address grade slabs and pavements for this site.

Additional Services

Once the final Site Grading Plan and layout and grades for the buildings and pavement areas have been established, we recommend that Summit Design and Engineering Services be provided with the opportunity to provide a final geotechnical report. This final geotechnical report would provide recommended foundation types and design parameters along with estimated settlements associated with the recommended foundation types. In addition, site-specific, detailed recommendations regarding slopes, retaining walls, pavement design and site grading requirements would be provided.

We recommend that Summit Design and Engineering Services be retained to monitor the earthwork and foundation construction and to report that the recommendations contained in this report are completed in a satisfactory manner. Our continued involvement on the project helps provide continuity for proper implementation of the recommendations discussed herein.

QUALIFICATIONS

This report has been prepared in accordance with generally accepted geotechnical engineering practices for specific application to this project. The conclusions and recommendations contained in this report are based upon the applicable standards of our profession at the time the report was prepared.

The analysis and recommendations submitted in this report are based in part upon the data obtained from the subsurface investigation. The nature and extent of variations between the borings may not become evident until construction. If variations then become evident, it will be necessary to re-evaluate the recommendations of this report. If any changes in the nature, design or location of the structure are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions of this report modified or verified in writing.

CLOSURE

Summit appreciates the opportunity to provide our professional engineering services on this project. Should you have any questions concerning this report or if we may be of further assistance, please contact us at your convenience.

Sincerely,
SUMMIT DESIGN AND ENGINEERING SERVICES, PLLC
Firm's NC License No. P-0339

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Project Geologist
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Attachments:

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APPENDIX

1) Legend

2) Boring Location Plan

3) Boring Logs

4) Laboratory Results

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LEGEND

SYMBOLS AND TERMS USED ON BORING LOGS

UNIFIED SOIL CLASSIFICATION (ASTM D 2487-06)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			SOIL GROUP SYMBOL, NAME, AND LEGEND	
COARSE-GRAINED SOILS > 50% RETAINED ON No. 200 SIEVE	GRAVELS > 50% OF COARSE FRACTION RETAINED ON No. 4 SIEVE	CLEAN GRAVELS < 5% FINES	Cu ≥ 4 AND 1 ≤ Cc ≤ 3	GW	WELL-GRADED GRAVEL
			Cu < 4 AND/OR 1 > Cc > 3	GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES > 12% FINES	FINES CLASSIFY AS ML OR MH	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS ≥ 50% OF COARSE FRACTION PASSING ON No. 4 SIEVE	CLEAN SANDS < 5% FINES	Cu ≥ 6 AND 1 ≤ Cc ≤ 3	SW	WELL-GRADED SAND
			Cu < 6 AND/OR 1 > Cc > 3	SP	POORLY-GRADED SAND
		SANDS AND FINES > 12% FINES	FINES CLASSIFY AS ML OR MH	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS ≥ 50% PASSES No. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT < 50	INORGANIC	PI>7 AND PLOTS ON/ABOVE "A" LINE	CL	LEAN CLAY
			PI<4 OR PLOTS BELOW "A" LINE	ML	SILT
		ORGANIC	LL(OVEN DRIED) / LL(NOT DRIED)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT ≥ 50	INORGANIC	PI PLOTS ON OR ABOVE "A" LINE	CH	PLASTIC CLAY
			PI PLOTS BELOW "A" LINE	MH	ELASTIC SILT
		ORGANIC	LL(OVEN DRIED) / LL(NOT DRIED)<0.75	OH	ORGANIC CLAY OR SILT

INFERRED ORIGIN OF SOIL

- RESIDUAL - SOIL DERIVED FROM IN-PLACE WEATHERING OF ROCK
- FILL - SOIL TRANSPORTED AND DEPOSITED AT CURRENT LOCATION BY MAN
- ALLUVIAL - SOIL TRANSPORTED AND DEPOSITED AT CURRENT LOCATION BY WATER

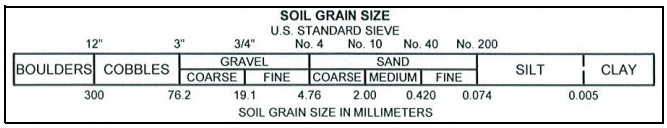
OTHER MATERIAL SYMBOLS

- TOPSOIL
- ASPHALT
- CONCRETE
- FILL (DUAL SYMBOL)
- WEATHERED ROCK
- CRYSTALINE ROCK
- SEDIMENTARY ROCK
- ABC

COMPONENT MODIFIERS

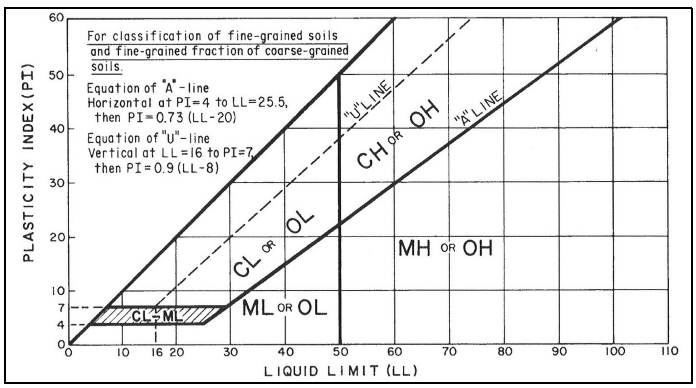
SOIL COMPONENTS	DESCRIPTIVE TERM	COMPONENT
MAJOR	NOUN (SAND, SILT, CLAY)	> 50%
SECONDARY	ADJECTIVE (SANDY, SILTY, CLAYEY)	20 - 50%
OTHERS	WITH	10 - 20%
	TRACE	0 - 10%

$$Cu = \frac{D_{60}}{D_{10}} \qquad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$



MOISTURE DESCRIPTION

- DRY - REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE
- MOIST - AT OR NEAR OPTIMUM MOISTURE
- WET - REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE
- SATURATED - VERY WET; USUALLY FROM BELOW THE GROUNDWATER TABLE.



SUMMIT DESIGN AND ENGINEERING SERVICES
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LEGEND
SHEET 1 OF 2

SYMBOLS AND TERMS USED ON BORING LOGS

CONSISTANCY OF COHESIVE SOILS

THE FOLLOWING DESCRIPTIVE TERMS FOR CONSISTENCY APPLY TO COHESIVE SOILS SUCH AS FAT CLAYS AND LEAN CLAYS AS WELL AS SEMI-COHESIVE SOILS SUCH AS ELASTIC SILTS.

UNCONFINED COMPRESSIVE STRENGTH (TSF)	CONSISTANCY	TYPICAL SPT "N" VALUE RANGE
LESS THAN 0.25	VERY SOFT	0 – 2
0.25 TO 0.50	SOFT	3 – 4
0.50 TO 1.00	MEDIUM STIFF	5 – 8
1.00 TO 2.00	STIFF	9 – 15
2.00 TO 4.00	VERY STIFF	16 – 30
GREATER THAN 4.00	HARD	31 – 50
----	VERY HARD	OVER 50

RELATIVE DENSITY OF COHESIONLESS & SEMI-COHESIONLESS SOIL

THE FOLLOWING DESCRIPTIVE TERMS FOR RELATIVE DENSITY APPLY TO COHESIONLESS SOILS SUCH AS GRAVELS, SILTY SANDS, AND SANDS AS WELL AS SEMI-COHESIONLESS SOILS SUCH AS SANDY SILTS AND SEMI-COHESIVE SOILS SUCH AS CLAYEY SANDS.

RELATIVE DENSITY		TYPICAL SPT "N" VALUE RANGE
VERY LOOSE		0 – 4
LOOSE		5 – 10
MEDIUM DENSE		11– 30
DENSE		31 – 50
VERY DENSE		OVER 50

TERMS

ALLUVIUM - SOILS THAT HAVE BEEN TRANSPORTED BY WATER.

RESIDUAL SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK.

SAPROLITE - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR FABRIC OF THE PARENT ROCK.

POCKET - INCLUSION OF MATERIAL OF DIFFERENT TEXTURE THAT IS SMALLER THAN THE DIAMETER OF THE SAMPLE.

SEAM - INCLUSION 1/8 INCH TO 3 INCHES THICK EXTENDING THROUGH SAMPLE.

LAYER - INCLUSION GREATER THAN 3 INCHES THICK EXTENDING THROUGH THE SAMPLE.

INTERLAYERED - SOIL SAMPLE COMPOSED OF ALTERNATING LAYERS OF DIFFERENT SOIL TYPES.

INTERMIXED - SOIL SAMPLE COMPOSED OF POCKETS OF DIFFERENT SOIL TYPES, LAYERED OR LAMINATED STRUCTURE IS NOT EVIDENT.

NOTES

THE "N" VALUE IS THE NUMBER OF BLOWS FROM A 140-LB WEIGHT HAVING A FREE FALL OF 30-IN REQUIRED TO PENETRATE THE FINAL12-IN OF AN 18-IN SAMPLE INTERVAL.

FIAD - DENOTES FILLED IN AFTER DRILLING

GRAVELS OR SANDS WITH 5 TO 12% FINES REQUIRE DUAL SYMBOLS.

SOILS WERE IDENTIFIED BASED ON IDENTIFICATION OF SOILS (VISUAL-MANUAL PROCEDURE) - ASTM D2488-06 UNLESS OTHERWISE NOTED IN THE LABORATORY SECTION OF THE GEOTECHNICAL REPORT.

REFUSAL AT THE SURFACE OF ROCK, BOULDER, OR OBSTRUCTION IS DEFINED AS A RESISTANCE OF 100 BLOWS FOR 2 INCHES PENETRATION OR LESS.

CORING TERMS

REC - TOTAL LENGTH OF ROCK RECOVERED IN THE CORE BARREL DIVIDED BY THE TOTAL LENGTH OF THE CORE RUN TIMES 100%.

RQD - TOTAL LENGTH OF SOUND ROCK SEGMENTS RECOVERED THAT ARE LONGER THAN OR EQUAL TO 4 INCHES (EXCLUDING MECHANICAL BREAKS) DIVIDED BY THE TOTAL LENGTH OF THE CORE RUN TIMES 100%.

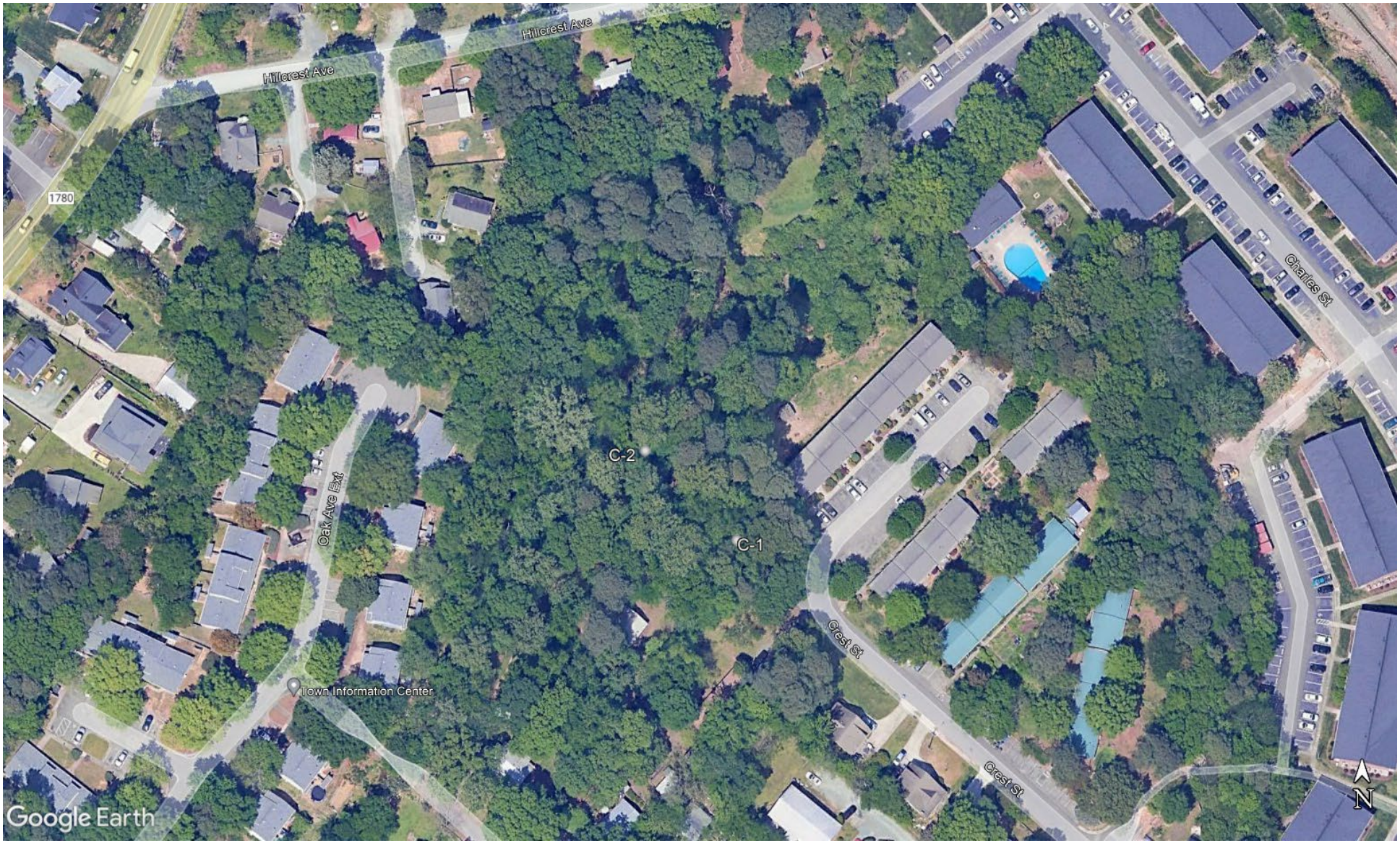
SYMBOLS AND ABBREVIATIONS

ST - SHELBY TUBE SAMPLE
SS- SPLIT SPOON SAMPLE
S - GRAB SAMPLE
▼ 24 HR WATER LEVEL
▽ WATER LEVEL AFTER DRILLING

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BORING LOCATION PLAN



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CARRBORO DUE DILIGENCE – CREST STREET
BORING LOCATION PLAN
CARRBORO, NORTH CAROLINA

DRAWN: ABG	DATE: 4/25/24	BORING PLAN PAGE
ENG CHECK: N/A	SCALE: NTS	1
APPROVAL: N/A	PROJECT NO.: 23-0350.204	

Reference: Google Earth



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CARRBORO DUE DILIGENCE – PATHWAY DRIVE
BORING LOCATION PLAN
CARRBORO, NORTH CAROLINA

DRAWN: ABG	DATE: 4/25/24	BORING PLAN PAGE
ENG CHECK: N/A	SCALE: NTS	2
APPROVAL: N/A	PROJECT NO.: 23-0350.204	

Reference: Google Earth

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BORING LOGS

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: C-1	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 418.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 8.4 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 7.8
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
418.0					GROUND SURFACE				418.0 / 0.0
417.0	1.0								**RESIUDAL** Orange and Tan, medium stiff to stiff, Sandy Lean CLAY (CL)
		3	3	5	8	SS-1	M		
414.5	3.5								414.0 / 4.0
		10	11	8	19	SS-2	M		Orange and Tan, medium dense, Silty SAND (SM)
412.0	6.0								411.5 / 6.5
		5	50/5"		50/5"	SS-3	M		**WEATHERED ROCK** Metavolcanic SLATE
409.6	8.4								409.6 / 8.4
		50/0"			50/0" Boring Terminated at 8.4 ft in Crystalline Rock Metavolcanic SLATE	SS-4			**CRYSTALLINE ROCK** Metavolcanic SLATE

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: C-2	**CLIENT:** Town of Carrboro		**0 HR.** 5.0
ELEVATION: 406.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** 3.5
TOTAL DEPTH: 6.9 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 5.4
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
406.0					GROUND SURFACE				406.0 / 0.0
405.0	1.0								**RESIDUAL**
		3	1	2	3	SS-1	W		Brown and Tan, very loose to loose, Sandy SILT (ML), w/ some weathered rock fragments
402.5	3.5								
		7	3	3	6	SS-2	Sat.		
400.0	6.0								400.0 / 6.0
399.1	6.9	50/5"			50/5"	SS-3	D		399.1 / 6.9 **WEATHERED ROCK** Metavolcanic SLATE
		50/0"			50/0"	SS-4			**CRYSTALLINE ROCK** Metavolcanic SLATE
					Boring Terminated at 6.9 ft in Crystalline Rock Metavolcanic SLATE				

BORE SINGLE 23-0350.204 CARRBORO DUE DILIGENCE GINT.GPJ GINT STD US LAB REV 2018.GDT 4/29/24

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-1	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 487.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 14.3 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 13.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
487.0					GROUND SURFACE				487.0 / 0.0
486.0	1.0								**RESIDUAL**
		3	5	6	11	SS-1	M		Orange and Tan, stiff, Lean CLAY (CL) w/ Sand
483.5	3.5								483.0 / 4.0
		9	12	15	27	SS-2	M		Tan and Orange, medium dense, Silty SAND (SM), MnO staining
481.0	6.0								
		10	12	12	24	SS-3	D		
478.5	8.5								479.0 / 8.0
		6	8	15	23	SS-4	D		Tan and Orange, very stiff, Sandy Lean CLAY (CL), w/ some gravel
									475.0 / 12.0
473.5	13.5								Tan, dense, Silty SAND (SM)
		35	50/3"		50/3"	SS-5	D		473.0 / 14.0
					Boring Terminated at 14.3 ft in Weathered Rock Metavolcanic SLATE				472.7 / 14.3 **WEATHERED ROCK** Metavolcanic SLATE

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-2	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 464.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 15.0 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 13.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
464.0					GROUND SURFACE				464.0 / 0.0
463.0	1.0								**RESIDUAL**
		3	4	5	9	SS-1	M		Tan and Orange, loose, SILT (ML)
460.5	3.5								
		5	7	9	16	SS-2	M		459.5 / 4.5
458.0	6.0								Tan and Gray, medium dense to very dense, Silty SAND (SM)
		7	10	12	22	SS-3	M		
455.5	8.5								
		9	12	16	28	SS-4	M		
450.5	13.5								
		9	27	35	62	SS-5	D		449.0 / 15.0
					Boring Terminated at 15.0 ft in RESIDUAL Silty SAND (SM)				

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-3	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 452.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 12.5 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 12.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
452.0					GROUND SURFACE				452.0 0.0
451.0	1.0								**RESIDUAL**
		3	4	5	9	SS-1	M		Orange and Tan, loose to medium dense, SILT (ML)
448.5	3.5								
		5	8	10	18	SS-2	M		
446.0	6.0								446.5 5.5
		9	23	37	60	SS-3	M		Tan and Orange, dense to very dense, Silty SAND (SM)
443.5	8.5								
		28	27	50/4"	50/4"	SS-4	D		442.5 9.5
439.5	12.5								**WEATHERED ROCK** Metavolcanic SLATE 440.0 12.0
		50/0"			50/0"	SS-5	D		439.5 12.5 **CRYSTALLINE ROCK** Metavolcanic SLATE

Boring Terminated at 12.5 ft in Crystalline Rock Metavolcanic SLATE

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-4	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 449.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** FIAD
TOTAL DEPTH: 14.0 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 12.3
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
449.0					GROUND SURFACE				449.0 / 0.0
448.0	1.0								**RESIDUAL**
		3	4	4	8	SS-1	M		Red, loose to medium dense, Sandy SILT (ML)
445.5	3.5								
		5	6	8	14	SS-2	M		
443.0	6.0								
		3	3	5	8	SS-3	M		
440.5	8.5								441.0 / 8.0
		8	14	23	37	SS-4	D		Brown, Tan, and Orange, hard, Silty SAND (SM) (Drilling started grinding at 12.0 feet)
									437.0 / 12.0
435.5	13.5								**WEATHERED ROCK**
		50/6"			50/6"	SS-5	D		435.0 / 14.0 Metavolcanic SLATE

Boring Terminated at 14.5 ft in Weathered Rock Metavolcanic SLATE

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Creatively Inspired – Technically Executed

REPORT OF HAND AUGERED BORINGS

CLIENT: Town of Carrboro	**BORING NO.:**	**HA-1**
PROJECT: Carrboro Due Diligence	**ELEVATION:**	**500**
LOCATION: Carrboro, North Carolina	**TOTAL DEPTH:**	**10.0**
SUMMIT PROJECT NO.: 23-0350.204	**DATE STARTED:**	**4/12/2024**
GEOLOGIST: Aaron Gross, PG	**DATE COMPLETED:**	**4/12/2024**
PENETROMETER TYPE: DCP	**WEATHER:**	**Sunny, 60s**
REMARKS:		

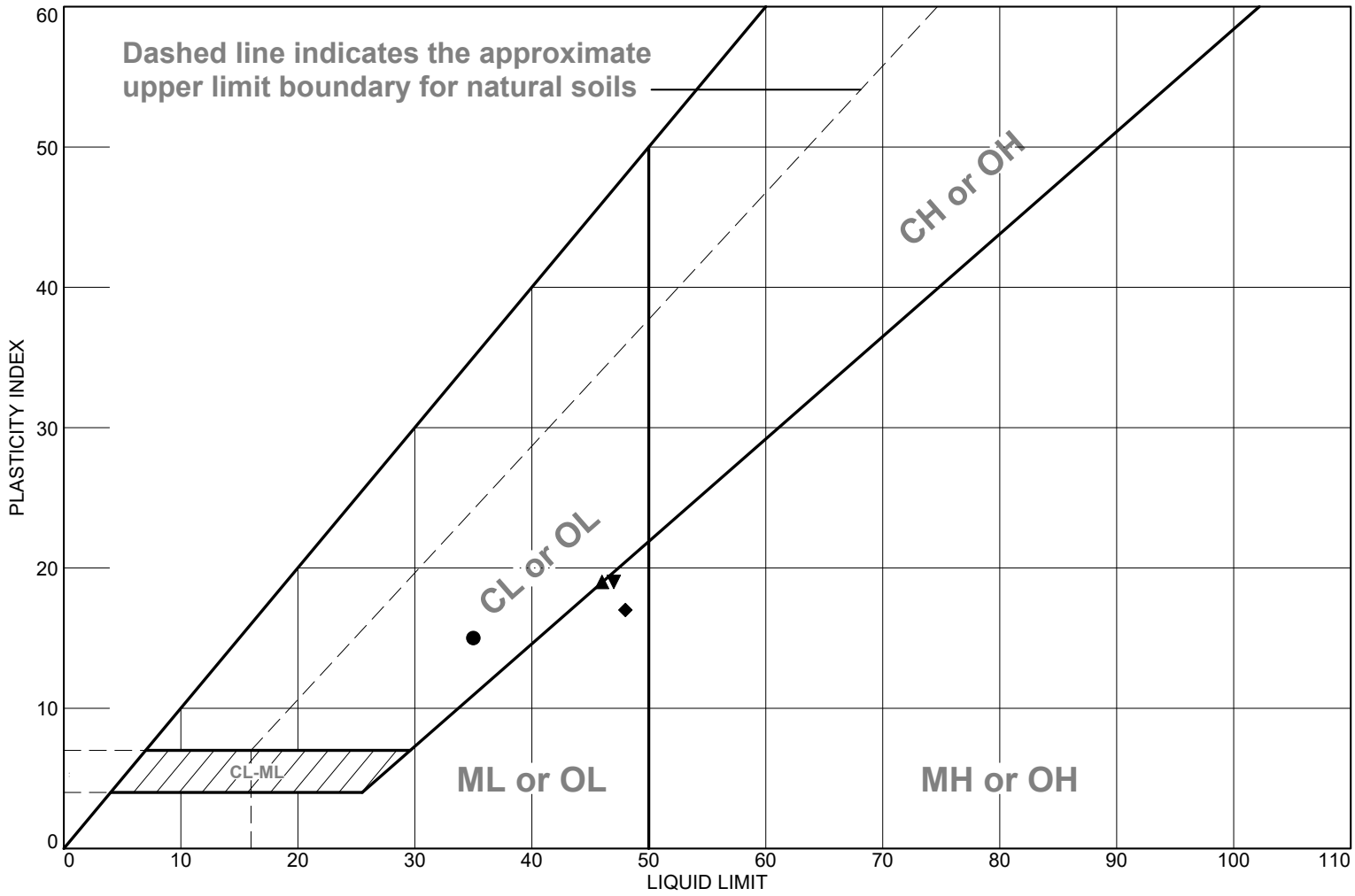
DEPTH FT.	DESCRIPTION	CONE PENETROMETER VALUES BLOWS PER 1-3/4"		
2.0	RESIDUAL – Red-Tan, medium stiff Lean CLAY (CL)	**9**	**8**	**8**
4.0	RESIDUAL – Red-Tan, medium stiff Lean CLAY (CL)	**8**	**16**	**15**
6.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**12**	**25+**	
8.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**7**	**10**	**20**
10.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**11**	**25+**	
Notes:	Hand Auger Terminated at 10.0 ft in Residual Silt			
	No water in borehole at the time of drilling, backfilled upon completion			
	All soils encountered in drilling were dry			

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LABORATORY RESULTS

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Orange and Tan Sandy Lean Clay	35	20	15	88.8	59.6	CL
■	Brown and Tan Sandy Silt	17	NP	NP	89.3	51.1	ML
▲	Orange and Tan Lean Clay with Sand	46	27	19	99.4	81.8	CL
◆	Tan and Orange Silt	48	31	17	96.5	88.9	ML
▼	Orange and Tan Silt	47	28	19	96.3	90.5	ML

Project No. 23-0350.204 **Client:** Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

● **Source of Sample:** C-1 **Depth:** 1.0' - 2.5' **Sample Number:** S-944A C-1 SS-1

■ **Source of Sample:** C-2 **Depth:** 1.0' - 2.5' **Sample Number:** S-944B C-2 SS-1

▲ **Source of Sample:** P-1 **Depth:** 1.0' - 2.5' **Sample Number:** S-944C P-1 SS-1

◆ **Source of Sample:** P-2 **Depth:** 1.0' - 2.5' **Sample Number:** S-944D P-2 SS-1

▼ **Source of Sample:** P-3 **Depth:** 1.0' - 2.5' **Sample Number:** S-944E P-3 SS-1

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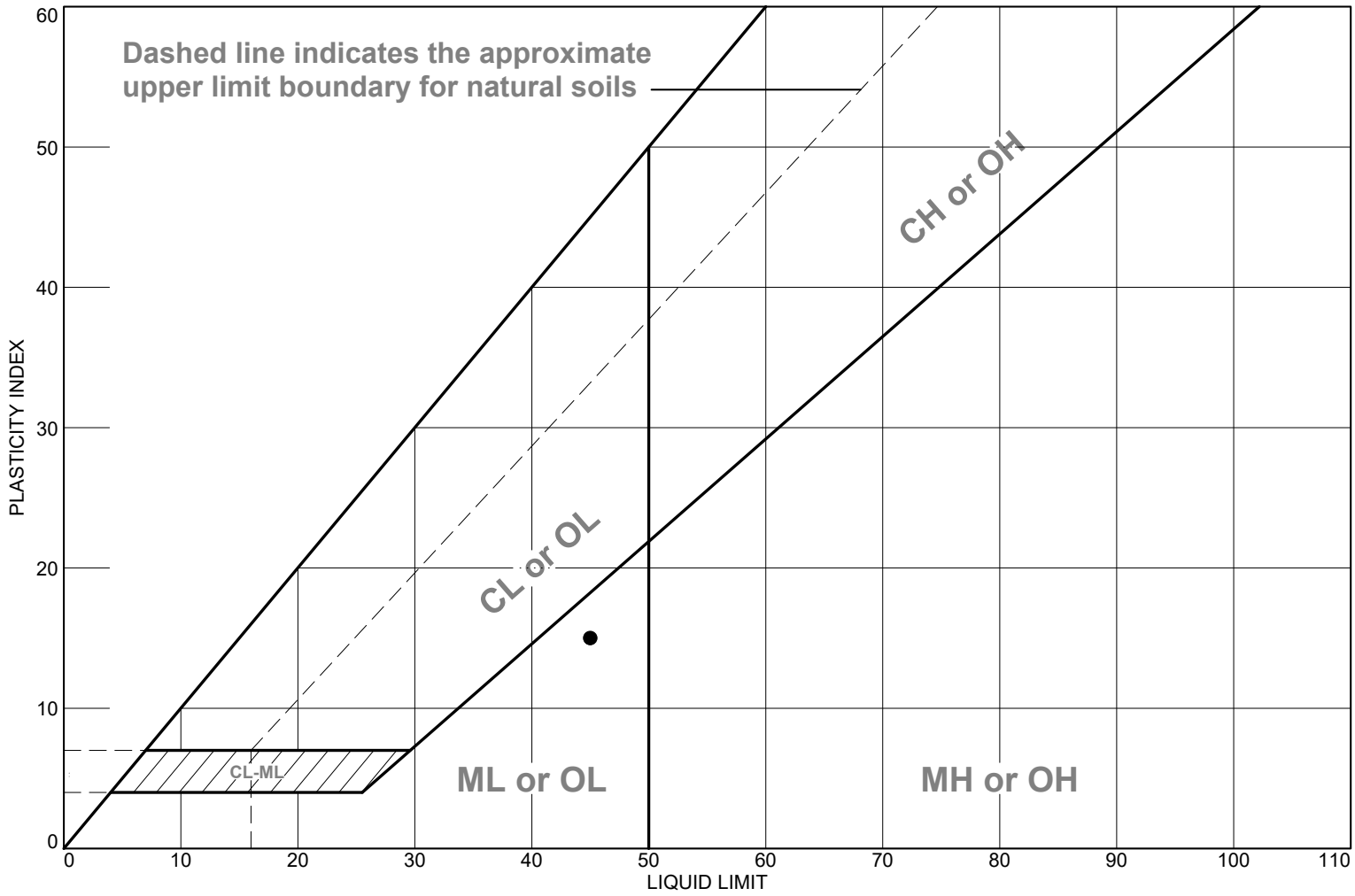
Remarks:

● NMC=23.0%
■ NMC=14.2%
▲ NMC=28.4%
◆ NMC=32.0%
▼ NMC=26.0%

Figure

Tested By: Katie Haven **Checked By:** M. Lill

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Red Sandy Silt	45	30	15	91.8	68.4	ML

Project No. 23-0350.204 **Client:** Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

● **Source of Sample:** P-4 **Depth:** 3.5' - 5.0' **Sample Number:** S-944F P-4 SS-2

Remarks:

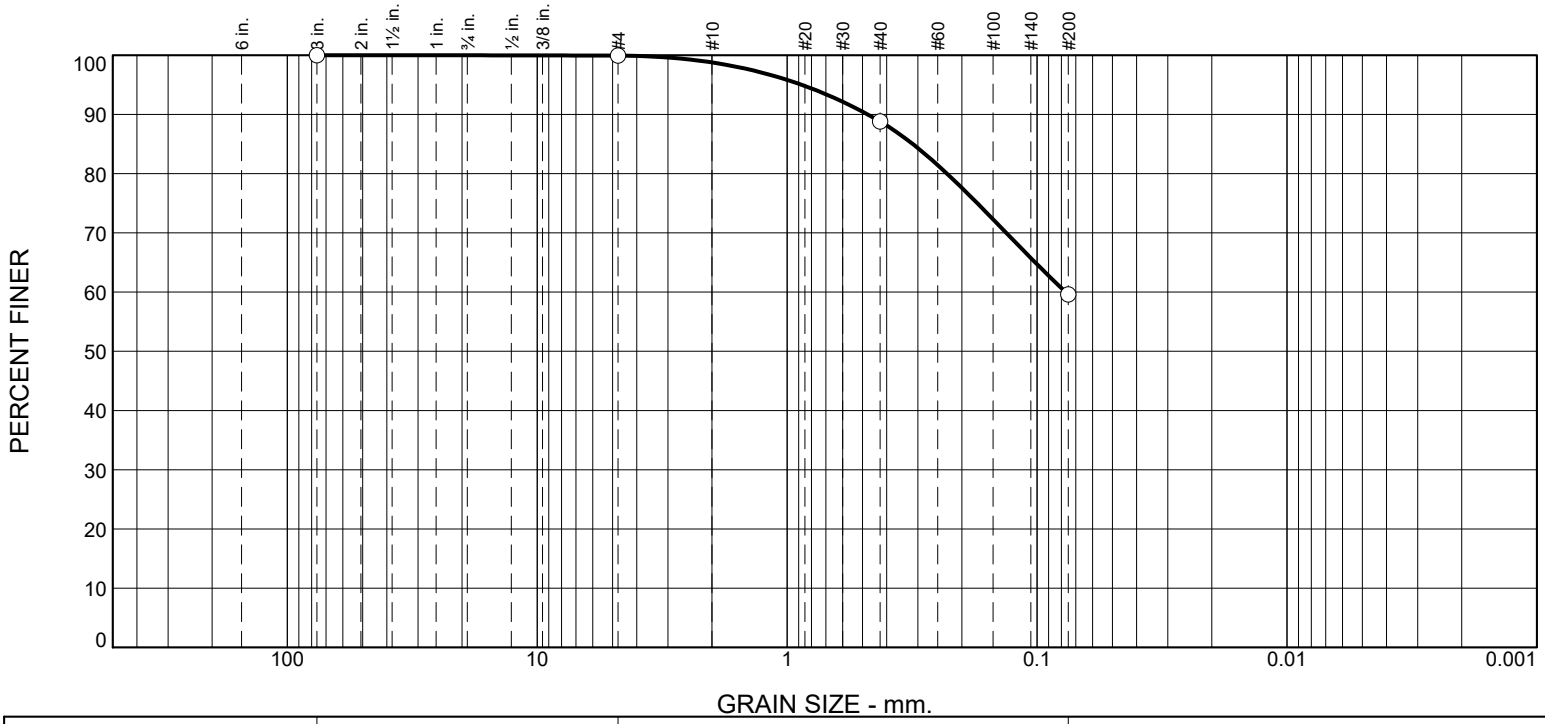
● NMC=30.7%

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Figure

Tested By: Katie Haven **Checked By:** Jonathan Pope

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	1.1	10.0	29.2	59.6	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.9		
#40	88.8		
#200	59.6		

· (no specification provided)

Material Description

Orange and Tan Sandy Lean Clay

Atterberg (ASTM D4318)

PL= 20 **LL=** 35 **PI=** 15

Coefficients

D_{90}= 0.4763 D_{85}= 0.3144

D_{60}= 0.0768 D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: _____ **Technician:** _____

Test Notes

USCS (ASTM D2487)

CL

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: C-1 **Depth:** 1.0' - 2.5'

Sample Number: S-944A C-1 SS-1

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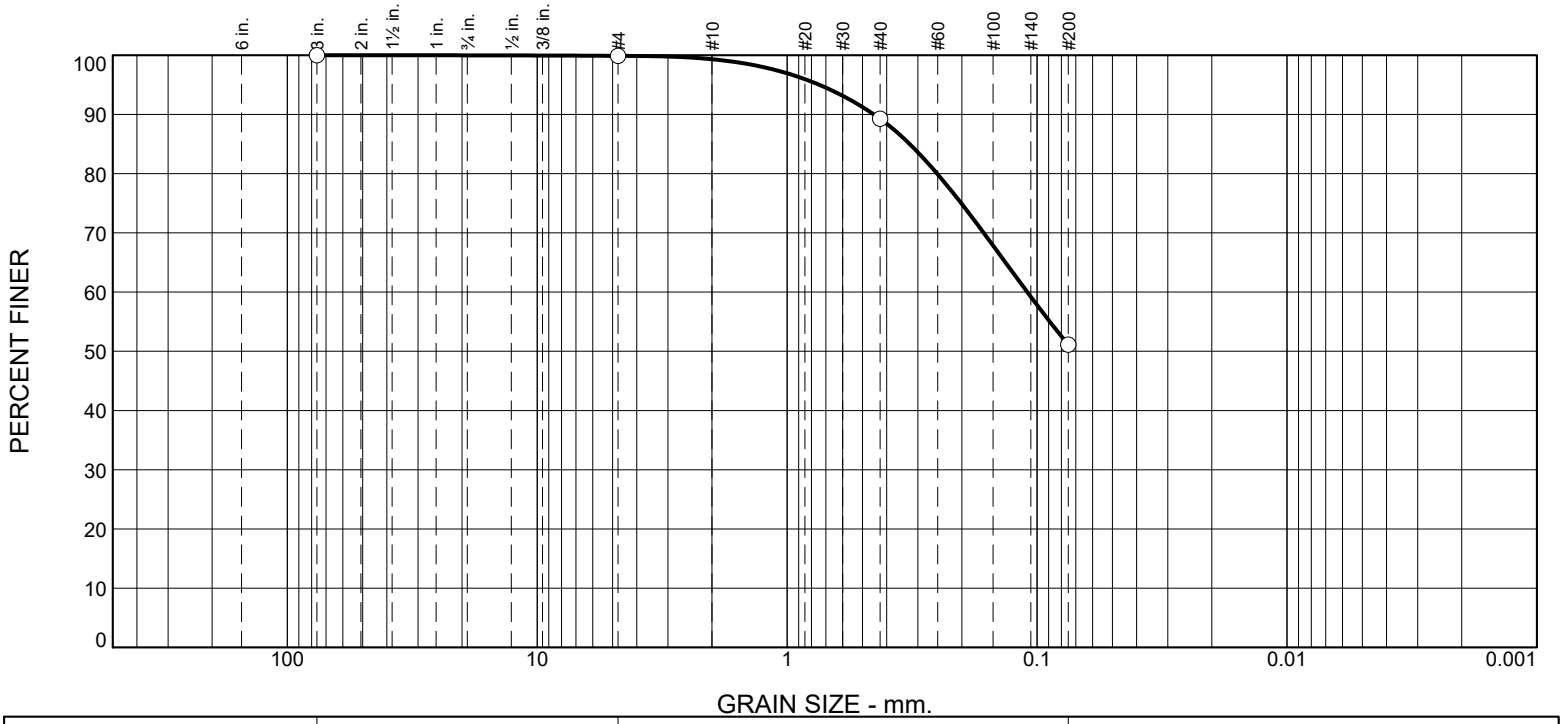
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.6	10.0	38.2	51.1	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.9		
#40	89.3		
#200	51.1		

* (no specification provided)

Material Description

Brown and Tan Sandy Silt

Atterberg (ASTM D4318)

PL= NP **LL=** 17 **PI=** NP

Coefficients

D_{90}= 0.4499 D_{85}= 0.3233

D_{60}= 0.1094 D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

ML

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: C-2 **Depth:** 1.0' - 2.5'

Sample Number: S-944B C-2 SS-1

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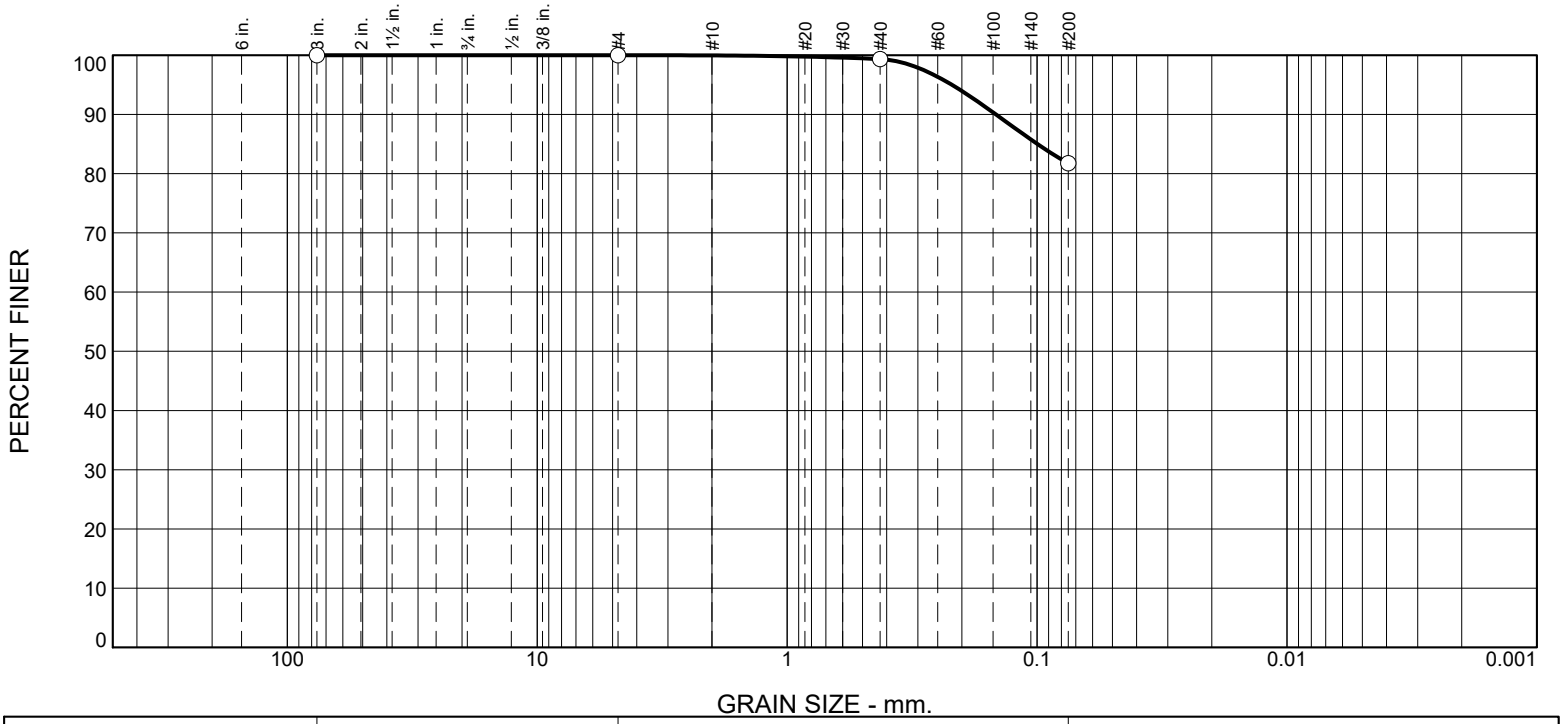
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	0.6	17.6	81.8	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	100.0		
#40	99.4		
#200	81.8		

* (no specification provided)

Material Description

Orange and Tan Lean Clay with Sand

Atterberg (ASTM D4318)

PL= 27 **LL=** 46 **PI=** 19

Coefficients

D_{90}= 0.1462 D_{85}= 0.0996

D_{60}= D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

CL

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: P-1 **Depth:** 1.0' - 2.5'

Sample Number: S-944C P-1 SS-1

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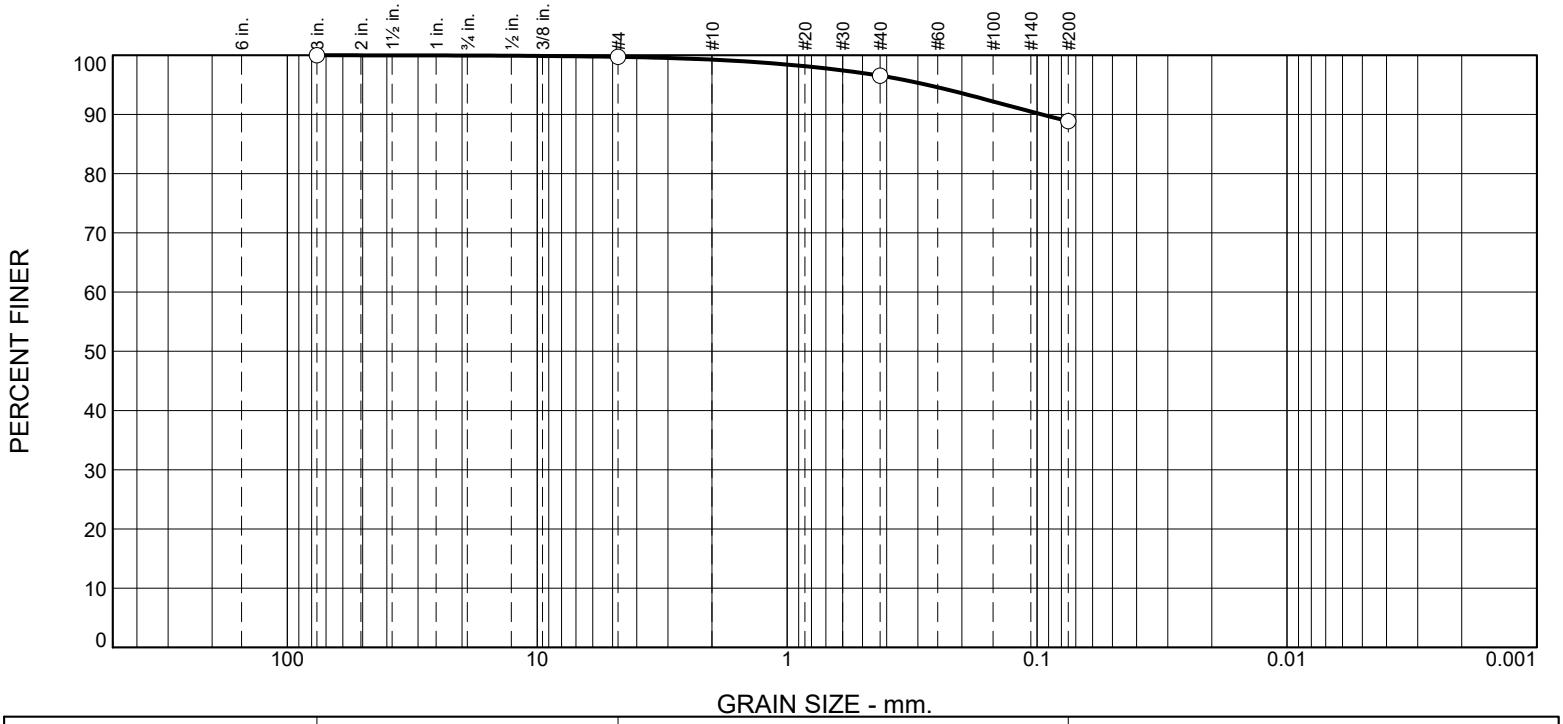
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.4	2.8	7.6	88.9	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.7		
#40	96.5		
#200	88.9		

* (no specification provided)

Material Description
Tan and Orange Silt

Atterberg (ASTM D4318)
PL= 31 **LL=** 48 **PI=** 17

Coefficients
D_{90}= 0.0959 D_{85}=
D_{60}= D_{50}=
D_{30}= D_{15}=
D_{10}=
C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)
ML

Date Sampled: 03/25/24
Date Received: 03/26/24
Checked By: M. Lill
Title: PM

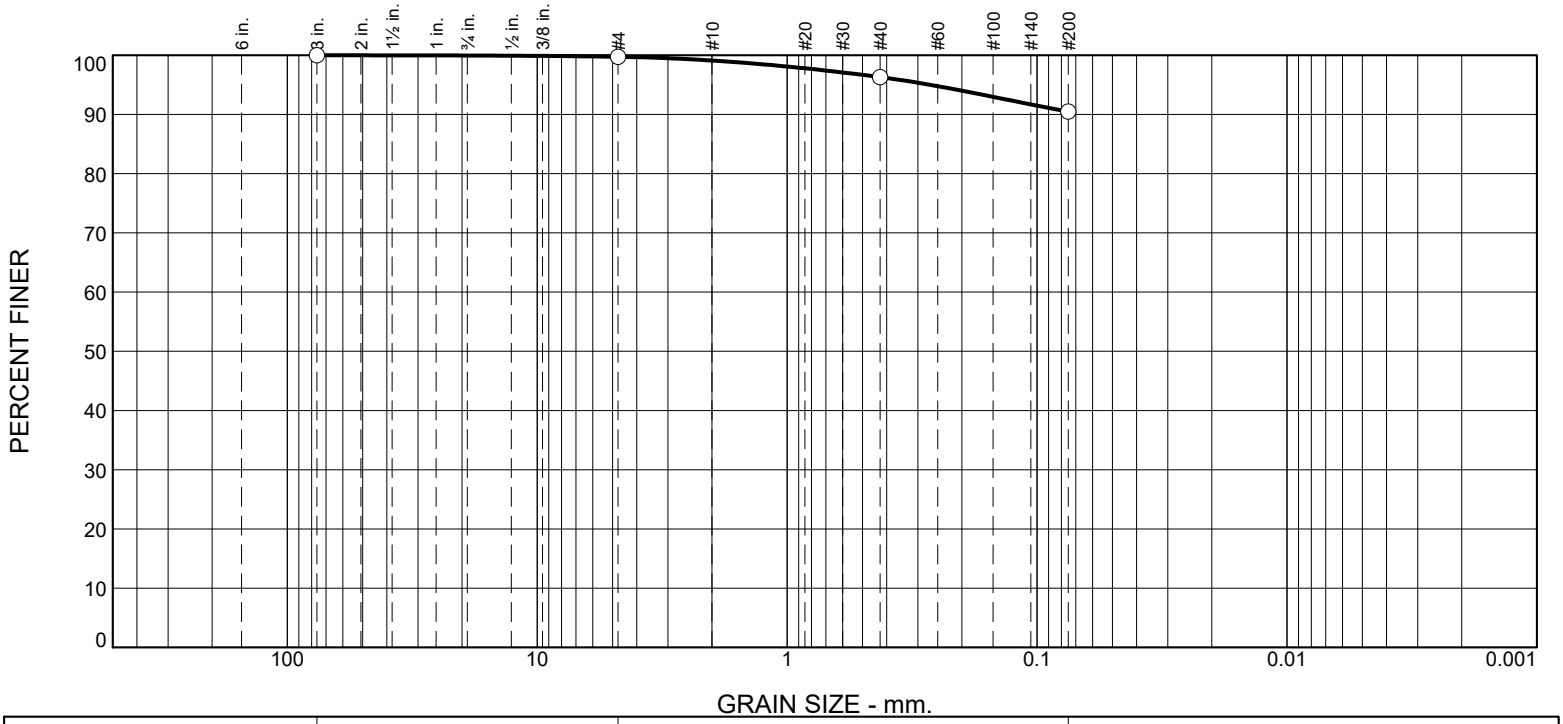
Source of Sample: P-2 **Depth:** 1.0' - 2.5'
Sample Number: S-944D P-2 SS-1

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Client: Town of Carrboro, North Carolina
Project: Carrboro Due Diligence

Project No: 23-0350.204 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.6	2.8	5.8	90.5	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.7		
#40	96.3		
#200	90.5		

· (no specification provided)

Material Description

Orange and Tan Silt

Atterberg (ASTM D4318)

PL= 28 **LL=** 47 **PI=** 19

Coefficients

D_{90}= D_{85}=

D_{60}= D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

ML

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: P-3 **Depth:** 1.0' - 2.5'

Sample Number: S-944E P-3 SS-1

SUMMIT DESIGN AND ENGINEERING SERVICES

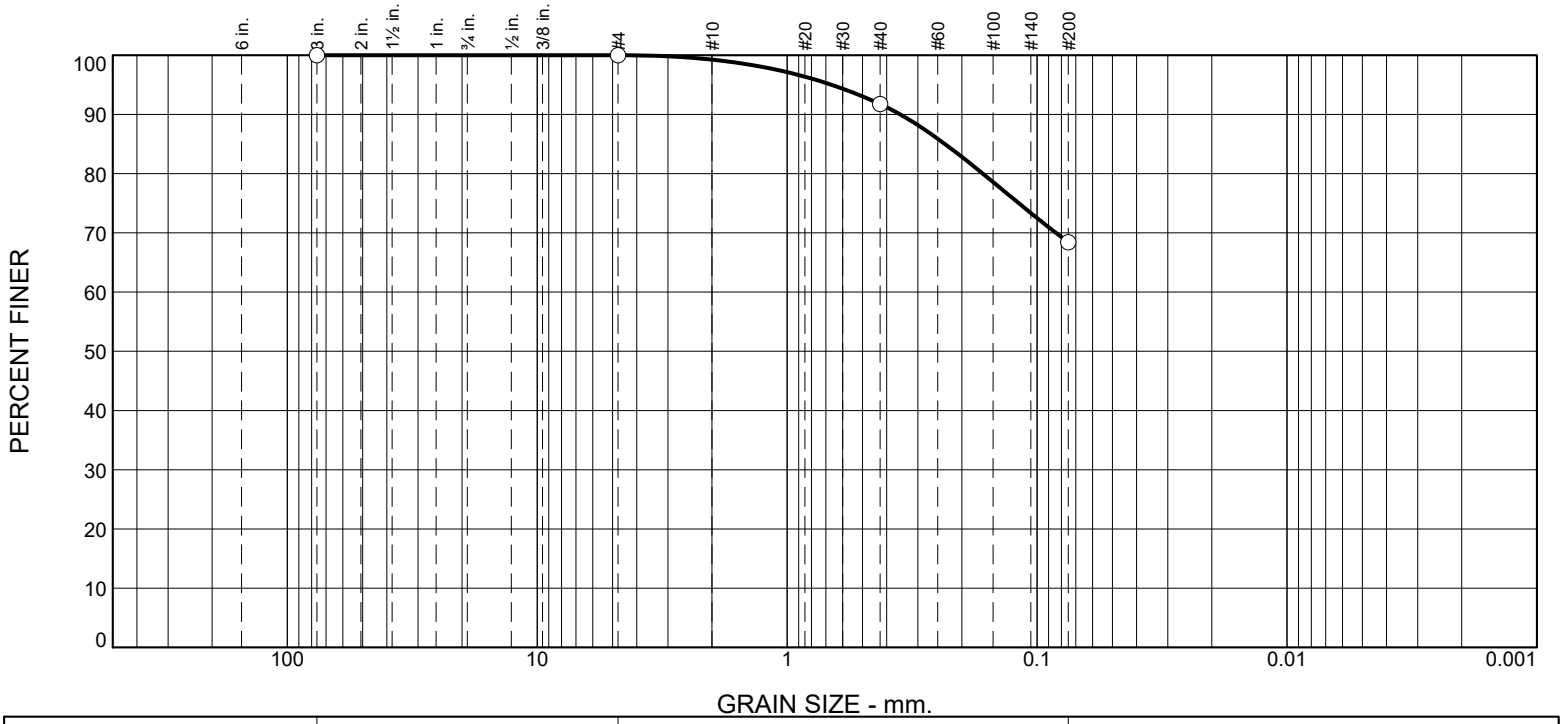
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.7	7.5	23.4	68.4	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	100.0		
#40	91.8		
#200	68.4		

* (no specification provided)

Material Description
Red Sandy Silt

Atterberg (ASTM D4318)
PL= 30 **LL=** 45 **PI=** 15

Coefficients
D_{90}= 0.3529 D_{85}= 0.2337
D_{60}= D_{50}=
D_{30}= D_{15}=
D_{10}=
C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)
ML

Date Sampled: 03/25/24
Date Received: 03/26/24
Checked By: M. Lill
Title: PM

Source of Sample: P-4 **Depth:** 3.5' - 5.0'
Sample Number: S-944F P-4 SS-2

SUMMIT DESIGN AND ENGINEERING SERVICES

Client: Town of Carrboro, North Carolina
Project: Carrboro Due Diligence

Project No: 23-0350.204 **Figure**

June 11, 2024

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Subject: Phase I Environmental Site Assessment
Crest Street
Carrboro, NC 27510
Project No. 23-0350.204

Dear Ms. Vanaman

Please find enclosed the Phase I Environmental Site Assessment we have completed for the above referenced subject property. We appreciate this opportunity to serve you. Please contact me if you have any questions about the report.

Sincerely,
Summit Design & Engineering Services

Aaron B. Gross
Senior Geologist

Phase I Environmental Site Assessment Report

Crest Street
Carrboro, NC 27510



Prepared by
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278

Prepared for
Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

May 31, 2024
Project # 23-0350.204

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1.0 GENERAL INFORMATION

Project Information:
Carrboro Due Diligence - Crest Street
Project Number:
23-0350.204

Consultant Information:
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278
Phone: (919) 732-3883
E-mail Address: aaron.gross@summitde.com
Inspection Date: April 11, 2024
Report Date: May 31, 2024

Site Information:
Crest Street
Crest Street
Carrboro, NC 27510
County: Orange
Latitude, Longitude: 35.918907, -79.071042
Site Access Contact:

Client Information:
Anne-Marie Vanaman
amvanaman@carrboronc.gov
301 W. Main Street
Carrboro, North Carolina 27510

Site Assessor

Aaron B. Gross
Senior Geologist

Senior Reviewer

Aaron B. Gross
Senior Geologist

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Aaron B. Gross - Senior Geologist

2.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in conformance with and generally met the requirements of ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions.

The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

This ESA was performed by or under the responsible charge of an Environmental Professional (EP) as defined in the ASTM E1527-21 Standard. The assessment was conducted by Aaron Gross with Summit Design & Engineering Services, PLLC.

2.1 Subject Property Description

The subject property is known as Crest Street and is located off of Crest Street, Carrboro, NC. According to information obtained from the Orange County Geographic Information System (GIS), the Pin Id for the subject property is 9778899390.

The subject property consists of approximately 1.08 acres and is located at 35.918907 latitude & -79.071042 longitude. Currently the site is undeveloped and wooded. A sanitary sewer line transects the site from west to east. The ground surface at the subject property slopes to the northwest before meeting a stream that flows from the southwest to the northeast. A Sanitary Sewer transects the property from west to east. The subject property can be accessed from Crest Street from the southeast. The subject property is zoned Residential. The area surrounding the subject property is primarily residential, with single-story homes and one-story apartment buildings surrounding the subject property.

The subject property is undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

2.2 Environmental Report Summary

A summary of findings from the Phase I ESA is provided in the table below. Summit recommends that this report be read in its entirety to achieve a more comprehensive and detailed understanding of the findings presented below.

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
4.3	**Current Use of Subject Property**	X					
4.5	**Adjoining Property Information**	X					
6.2.7	**Previous Environmental Reports**	X					
6.2.9	**Historical Summary**	X					

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
6.3	**Standard Environmental Record Resources**	X					
7.3.1	**Drains and Sumps**	X					
7.3.2	**Other**						

2.3 Conclusions

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Crest Street). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

3.0 INTRODUCTION

A Phase I Environmental Site Assessment is a qualitative study of existing information and available records along with a site inspection designed to identify, to the extent feasible, environmental contamination liabilities in connection with a parcel of commercial real estate. This Phase I Environmental Site Assessment was performed in conformance with and generally met the requirements of the American Society for Testing and Materials (ASTM) E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* This assessment was conducted under the supervision or responsible charge of an individual who qualifies as an Environmental Professional (EP), as defined in the ASTM E1527-21 Standard.

Summit Design & Engineering Services performed a Phase I Environmental Site Assessment (Phase I ESA) of the subject property (Crest Street) located in Orange County, NC.

3.1 Purpose

The purpose of the ASTM E1527-21 Standard is to define good commercial and customary practice in the United States of America for conducting an environmental assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products.

This practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability, also known as Landowner Liability Protections (LLPs). This practice constitutes all appropriate inquiries into the previous ownership and uses of the property, consistent with good commercial and customary practice as defined in 42 U.S.C. 9601(35)(B).

The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions. The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

A condition determined to be a de minimis condition is not a recognized environmental condition. A de minimis condition is defined by the ASTM E1527-21 Standard as "a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

3.2 Scope of Work

Summit Design & Engineering Services was contracted by Town of Carrboro to conduct a Phase I ESA for the subject property (Crest Street). Our services were provided in accordance with and are described in detail within Summit's Proposal "Town of Carrboro Proposal for Town Owned Land - Site Assessment (RFQ #2023-425-2," dated January 27, 2023 and revised August 28, 2023.

The Phase I ESA conducted at the subject property was in general accordance with ASTM Standard E1527-21 and included the following:

- A site reconnaissance and visual survey of properties proximate to the subject property,
- Review of records and interviews with regulatory officials and representatives regarding current and former operations at the subject property,

- A review of historical resources, such as: property records, topographic maps, fire insurance maps, city directories, and aerial photographs,
- Review of previous environmental site assessments, if made available,
- Review of State and Federal environmental database information, and
- Evaluation of information and preparation of the report provided herein.

Typically, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. These activities would be carried out under separate cover, if necessary.

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."
Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services unless otherwise described in Section 9.0 of this report.

3.3 Significant Assumptions

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this practice is intended to reduce but not eliminate uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. A Phase I ESA is not an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, might be a material detriment to the orderly completion of transactions.

One of the purposes of the ASTM E1527-21 Standard Practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the User, and the information developed in the course of the inquiry.

Phase I ESAs, such as the one performed for this site, are of limited scope, are non-invasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site. It was not the purpose of this study to determine the actual presence, degree, or extent of contamination, if any, at this site. This determination could require additional exploratory work, including sampling and laboratory analysis.

Information obtained for this ESA was collected from numerous different sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the Client. However, in some instances, the information requested is not, or was not, received by the issuance date of the report. It should be recognized that environmental concerns may be documented in information not received or public records that are not reviewed. Observations, conclusions, and opinions presented within this report are necessarily limited to conditions observed and materials reviewed at the time this study was undertaken.

3.4 Limitations and Exceptions

This Phase I ESA was performed in general conformance with the ASTM E1527-21 Standard. However, limiting conditions are commonly encountered by an EP during the course of a Phase I ESA. Limiting conditions can vary significantly from physical obstructions or access issues during the site reconnaissance to the inability to obtain information or interview key personnel before the reporting deadline. Limitations and exceptions to ASTM Standard E1527-21 noted during the course of the Phase I ESA are discussed below:

- Thick vegetation and dense ground cover limited visibility in many areas of the subject property.

3.5 Deviations

Limiting conditions, if significant enough, can lead to deviations from the ASTM E1527-21 Standard Practice. Limiting conditions and resulting deviations from the ASTM Standard Practice can lead to data gaps. A data gap is defined by the ASTM E1527-21 Standard as "a lack of or inability to obtain information required by this practice despite good faith efforts by the EP to gather such information." Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

A data gap by itself is not inherently significant and can be commonly encountered by an EP during the course of a Phase I ESA. In most cases, the gaps in information can be filled by the EP through other avenues of research and investigation. However, in some instances, data gaps can be considered significant. A significant data gap is defined by the ASTM E21527-21 Standard as "a data gap that affects the ability of the environmental professional to identify a recognized environmental condition."

Deviations from the ASTM 1527-21 Standard Practice and resulting data gaps encountered during this Phase I ESA are listed with their significance evaluated and discussed in the following paragraphs below:

- The ASTM E1527-21 Standard requires the EP to identify the historical use of the property in five-year intervals back to its first developed use or to 1940, whichever is earlier. The term developed use includes agricultural purposes and the placement of fill dirt. Summit traced the history of the subject property back to 1946. Per Section 8.3.6 of the ASTM Standard, this is considered a data failure which is one type of data gap. However, Summit does not consider this to be a significant data gap. Given our earliest knowledge of the site and surrounding area, Summit considers it highly unlikely that the subject property was used for anything other than pasture land prior to 1946.

- Summit was unable to interview past owners of the subject property per Section 10.0 of the ASTM Standard and this is considered a data gap. However, Summit does not consider this to be a significant data gap. Summit considers it unlikely that the previous property owners would have additional pertinent information on the subject property beyond what was researched and obtained by Summit during this Phase I ESA.

3.6 Special Terms and Conditions

No warranty, expressed or implied, is made concerning the conclusions and opinions presented within this report. The findings of this ESA are not intended to serve as an audit for health and safety compliance issues pertaining to improvements or activities at the site. Summit is not liable for the discovery or elimination of hazards that may potentially cause damage, accidents, or injury. The limitations described herein must be considered when the User of this report formulates opinions as

to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated but not eliminated through additional research or assessment.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance, and other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). We have no obligation to provide information obtained or discovered by us after the date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions or opinions in the report.

This practice does not address requirements of any state or local laws or of any federal laws other than the "all appropriate inquiries" provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products potentially discovered on the property that are not addressed in this practice and that may pose risks of civil or criminal sanctions for non-compliance. Furthermore, observations, conclusions, and opinions presented within this report are not to be construed as legal interpretations or advice.

3.7 Reliance

This Phase I ESA report was prepared for the exclusive use and reliance of Town of Carrboro (Client). Use or reliance by any other party is prohibited without the written authorization of the Client and Summit. If the Client is aware of additional parties that will require reliance on the ESA report, Summit may grant reliance on the ESA report to those approved parties upon receipt of a fully executed Reliance Agreement (available upon request) and receipt of the information requested in the Reliance Agreement. Reliance on the ESA by the Client and all authorized parties will be subject to the terms, conditions, and limitations stated in the Standard Contract for Professional Services, Summit's Proposal, the Reliance Agreement, and the Phase I ESA report.

The limitation of liability defined in the Standard Contract for Professional Services is the aggregate limit of Summit's liability to the Client and all relying parties. The continued viability of the report is subject to ASTM E1527-21 Sections 4.6 and 4.8. If the ESA is used by a different user (third party), then the user for whom the ESA was initially prepared, the third party must also satisfy the User's Responsibilities in Section 6 of the ASTM E1527-21 Standard.

4.0 SUBJECT PROPERTY DESCRIPTION

The term "subject property" is utilized throughout the ASTM Standard and within this report. The ASTM E1527-21 Standard defines the subject property as "the property that is the subject of the environmental site assessment described in this practice." The subject property of this Phase I ESA is thoroughly defined and described in the following sections. For detailed maps showing the subject property and the surrounding area, please see Figures I - II located in Appendix A.

4.1 Location and Legal Description

The subject property is known as Carrboro Due Diligence - Crest Street , which is an approximately 1.08 acre parcel and is located at Crest Street , Carrboro , NC . According to information obtained from the Orange County Geographic Information System (GIS), the Pin Id for the subject property is 9778899390 .

4.2 Subject Property and Surrounding Area Description

The subject property consists of approximately 1.08 acres and is and is currently undeveloped and wooded. The ground surface at the subject property slopes to the northwest before meeting a stream that flows from the southwest to the northeast. A sanitary sewer transects the property from west to east. The subject property can be accessed from Crest Street from the southeast. The subject property is zoned Residential. The area surrounding the subject property is primarily residential, with single-story homes and one-story apartment buildings surrounding the subject property.

4.3 Current Use of Subject Property

The subject property is undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

According to the Town of Carrboro Zoning information available on Orange County GIS, the subject property is zoned Residential.

4.4 Description of Structures and Other Improvements

A sanitary sewer transects the subject property from west to east. No other structures are on the property. Therefore, no utilities are connected to the subject property at this time. Based on its location within Carrboro city limits, it is assumed that the Town of Carrboro can connect to this property for water and sewer services, and that Duke Energy would supply electricity and Dominion Energy would provide natural gas.

Property Summary	
Size of Property (approximate):	1.08 Acres
General Topography of Property:	Gently Rolling
Adjoining and/or Access/Egress Roads:	Crest Street
Paved or Concrete Areas (including parking):	N/A
Unimproved Areas:	The entire site
Landscaped Areas:	N/A
Surface Water:	One stream that flows west to east
Potable Water Source:	N/A
Sanitary Sewer Utility:	N/A
Storm Sewer Utility:	N/A
Electrical Utility:	N/A

Natural Gas Utility:	N/A

4.5 Adjoining Property Information

The ASTM E1527-21 Standard defines adjoining properties as "any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them." The following table summarizes the occupants, uses, and other additional pertinent information for the adjoining properties:

Adjoining Property Information			
Direction From Subject Property	**Occupant**	**Use**	**Comments**
Northeast	COMPROP LLC	Multi-Family	Single-story apartments with wooded areas
Southeast	Matthew Hedt	Residential	Abandoned building (assumed prior single family residential)
Southeast	Lyle Lansdell	Residential	Single family residential
Southwest	Clark Church	Residential	Single family residence
Northwest	Town of Chapel Hill	Multi-Family	Multi-family residences, Single family residence at 104 Hillcrest Ave owned by Bryanna Ocitti
Northwest	Bryanna Ocitti	Residential	Single family residence

5.0 USER-PROVIDED INFORMATION

The ASTM E1527-21 Standard defines the User as "the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property." A User may include, without limitation, a potential purchaser of the property, a prospective tenant of the property, an owner of the property, a lender, or a property manager.

The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that certain tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the EP, the EP should request that the User provide the results of these tasks as such information can assist the EP in identifying RECs in connection with the subject property. If the User does not communicate this information (Section 6.0 of the ASTM E1527-21 Standard), the EP should consider the absence of such information as a Data Gap. In the case of this Phase I ESA, Summit has identified the User as the Client, Town of Carrboro.

Per the ASTM E1527-21 Standard, the *User Questionnaire* should be completed and signed by the User or a designated representative of the User who is familiar with the subject property. This questionnaire is designed to summarize the topics and information that should be communicated to the EP, which, when completed by the User, should satisfy the User's Responsibilities under Section 6.0 of the ASTM Standard.

The *User Questionnaire* was submitted to Anne-Marie Vanaman, Housing and Community Services Director with Town of Carrboro, via email on April 5, 2024. The questionnaire was completed by Martin Roupe, Development Review Administrator and Laura Janway, Environmental Sustainability Coordinator with Town of Carrboro and returned to Summit on May 22, 2024. Their responses are summarized in the following sections, and a copy of the completed *User Questionnaire* can be found located in Appendix H.

5.1 Environmental Liens

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Environmental Liens filed or recorded against the subject property under federal, tribal, state, or local law.

5.2 Activity and Use Limitations

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Activity and Use Limitations (AULs), such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed against the subject property under federal, tribal, state, or local law.

5.3 Specialized Knowledge or Experience

Town of Carrboro did not report having any specialized knowledge or experience related to the subject property or nearby properties.

5.4 Valuation Reduction for Environmental Issues

A lower purchase price may be an indication of known or suspected contamination present on the property. Town of Carrboro reported that the purchase price being paid for the subject property reasonably reflects the fair market value.

5.5 Commonly Known or Reasonably Acertainable Information

Town of Carrboro responded that they were not aware of any of the past uses of the subject property. They were also not aware of any specific chemicals present or once preset, spills or chemical releases, or environmental cleanups that have taken place at the subject property.

5.6 Obvious Indicators of Contamination

Town of Carrboro reported that based on their knowledge and experience, there are no obvious indicators that point to the presence or likely presence of releases of hazardous substances or petroleum products at the subject property.

5.7 Reason For Performing Phase I ESA

Town of Carrboro indicated that the reason why the Phase I ESA is being performed is for the planned residential development of the subject property. They also stated that the type of property transaction was a purchase of the subject property.

6.0 RECORDS REVIEW

The purpose of the Records Review is to obtain and review records that will help identify RECs in connection with the subject property. The following section includes Summit's review of the Standard Federal, State, and Tribal Environmental Record Sources, Standard Physical Setting Resources, and Standard Historical Information Sources required by the ASTM E1527-21 Standard. To enhance and supplement the ASTM-required standard record sources, Summit also reviewed additional environmental record sources, additional physical setting resources, and other historical resources.

6.1 Physical Setting

The migration of environmental contamination in the subsurface can be influenced by surface topography, surface hydrology, soil characteristics, geology, and hydrogeology (i.e., groundwater flow direction and velocity). A detailed understanding of the physical setting of the subject property is, therefore, essential to the Environmental Professional (EP) in forming a professional opinion about the behavior of potential on-site contamination or the potential risk of contaminant migration from off-site sources should they be uncovered during the course of the ESA.

Summit reviewed physical setting information for the subject property from several different sources, including Environmental Data Resources, Inc. (EDR), the United States Geological Survey (USGS), the United States Department of Agriculture (USDA), and the North Carolina Geological Survey (NCGS).

General site settings including topography, surface water bodies, geology and hydrology are detailed in the following sections.

6.1.1 Topography

Surface topography may be indicative of the direction of shallow groundwater flow. This information can be used to assist the EP in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the subject property, what down-gradient sites might be impacted.

The subject property is located within the Piedmont Physiographic Province and would be best characterized as gently rolling with well-rounded hills and long low ridges. The topographic high of approximately 435 feet above sea level is located near the eastern corner of the subject property. Topographic lows of approximately 410 feet occur at the northern end of the subject property.
A copy of the USGS Chapel Hill, 2022, 7.5 Minute Quadrangle Topographic Map reviewed for the subject property can be found located in Appendix C.

Based on a review of the 2022 USGS topographic map for the subject property area, groundwater is inferred to flow generally to the northeast towards Bolin Creek.

6.1.2 Surface Water Bodies

Surface water features (i.e., rivers, creeks, lakes, ponds, wetlands, etc.) can act as a hydrologic conduit for or barrier to groundwater flow. Therefore, these features may act as a preferential pathway for or impediment to contaminant migration from potential off-site sources.

The nearest surface water in the vicinity of the subject property is Bolin Creek located approximately 1500 feet to the northeast of the subject property. A tributary stream to Bolin Creek transects the subject property and flows from the southwest to the northeast.

6.1.3 Geology and Hydrology

The characteristics of the local soils can play an essential role in the behavior of potential environmental contamination as it enters and moves through the subsurface. The dominant soil composition in the general area of the subject property is a fine sandy loam. The soil component name (map name) is Enon, and it is primarily composed of Clayey SAND (SC) and Sandy Lean CLAY (CL). Enon is rated as Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. A copy of the USDA Soil Conservation Service (SCS) data reviewed for the subject property and surrounding area can be found located in Appendix D.

The soils described above were developed from the weathering of the Ordovician aged Granitic Rock underlying the subject property and surrounding area. The underlying Geology can also play a significant role in potential contaminant migration and is critical to understand during an ESA. Geologic formations can impact the speed, direction, and depth that potential contaminants can travel in the subsurface.

At shallow depths and under unconfined conditions, groundwater flow would be expected to be primarily driven by variations in the elevation of the water table surface. This driving mechanism is called topographically-driven flow because the elevation of the water table usually mimics the elevation of the ground surface. Therefore, surface topography may be used to infer the direction of shallow groundwater flow in an area. Based on the topography of the subject property described in Section 6.1.1, shallow groundwater flow would be anticipated to flow towards the northeast with some localized variations. The depth to the water table would be expected to vary significantly from 5 to 20+ feet below the ground surface, with shallow depths near existing surface water features and deeper depths at the topographic highs of the subject property. During Summit's Geotechnical Investigation, 24-hour groundwater levels in one boring was encountered at a depth of 3.8 feet.

Deeper water-bearing zones usually occur within the underlying bedrock, which in this case, is composed of crystalline rock (Granitic Rock). The movement of groundwater through crystalline rocks is one of the least predictable phenomena in all of groundwater science. This is because the porosity of these rocks is very low, and a network of fractures usually controls permeability. The direction of groundwater movement in deeper bedrock aquifers may not be consistent with shallow, unconfined, and topographically-driven groundwater flow. EDR conducted a search of Local and Regional Water Agency records for information about water wells in the area. No data was readily available to help determine the direction of groundwater flow within the deeper bedrock water-bearing zones.

6.2 Historical Use

The EP must develop a history of the previous uses of the subject property, the adjoining properties, and the surrounding area. This research should be done in order to help identify the likelihood of past uses having led to RECs in connection with the subject property. To develop that history, the EP must consult a variety of historical sources and exercise professional judgment while considering the possibility of releases that might have occurred at or impacted the subject property in light of the suspected past uses or activities. Summit reviewed historical information from several different sources, all of which were provided by Environmental Data Resources, Inc. (EDR).

6.2.1 Sanborn/Historical Maps

The Sanborn Library is the largest, most complete collection of fire insurance maps. These maps can be used to track the historical usage of a property. EDR searched this library, and no fire insurance maps covering the subject property were found. The Certified Sanborn® Map Report is included in Appendix C.

6.2.2 Aerial Photos

Summit reviewed aerial photographs of the subject property, adjoining properties, and the surrounding area for evidence of former usage that may constitute a potential for environmental concern. Aerial photographs were available and were obtained from EDR for the following years: 1950, 1955, 1961, 1964, 1973, 1975, 1980, 1983, 1993, 1999, 2002, 2006, 2009, 2012, 2016, and 2020. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the aerial photos reviewed can be found in The EDR Aerial Photo Decade Package located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the aerial photographs:

Aerial Photos		
Date(s)	**Property Comments**	**Surrounding Area Comments**
1950	Open Field / Pasture	Wooded to the northeast, agricultural and single family residences everywhere else. Greensboro Street, Pleasant Drive, Hillview Street, and Hillcrest Avenue have been constructed by this time. The railroad to the north and east have been constructed by this time.
1955	Open Field / Pasture	Wooded to the northeast, agricultural and single family residences everywhere else
1961	Wooded	Wooded to the northeast, agricultural to the southeast, single family homes to the south, west, and northwest
1964	Wooded	Wooded to the northeast, agricultural to the southeast, single family homes to the south, west, and northwest
1973	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Estes Road was constructed by 1973.
1975	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Crest Street was constructed by 1975.
1980	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
1983	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas.
1993	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Oak Avenue

Date(s)	Property Comments	Surrounding Area Comments
		Extension and the multi-family units to the west have been constructed by 1993
1999	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2002	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2006	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2009	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2012	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2016	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2020	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas

6.2.3 Historical Topographic Maps

Summit obtained historical topographic maps from EDR, including USGS maps from 1947, 19778, 1980, 1981, 1993, 2002, 2013, 2016, 2019, and 2022. Summit reviewed the historical topographic maps and compared findings with those observed in the aerial photography review. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the historical maps reviewed can be found in the EDR Historical Topo Map Report located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the historical topographic maps:

Historical Topographic Maps			
Date(s)	**Quad**	**Property Comments**	**Surrounding Area Comments**
1946	Chapel Hill	A stream is transecting the property, flowing from the southwest to the northeast	Pleasant Drive, Hillview Street and Hillcrest Drive were constructed by this time. Single family homes are in the surrounding area, the existing railroad to the north and east of the subject property has been built by this time
1978	Chapel Hill	The stream that transects the property is no longer noted by 1978, a depression is now noted on the property	A stream is no longer noted on the property by 1978, it is now noted as a depression. This may be as a result of the construction of present-day Charles Street
1993	Chapel Hill		Oak Avenue Extension has been constructed by 1993
2002	CHAPEL HILL	Crest Street was constructed by 2002	

6.2.4 City Directories

Another of the ASTM standard historical sources to be reviewed for previous site use is local street directories, commonly known as City Directories. The purpose of the directory review is to identify past occupants of the subject property, adjoining properties, and nearby properties. In some rural areas, street directories' information is limited. A copy of the street directories reviewed can be found within The EDR-City Directory Image Report located in Appendix C.

Crest Street was designated the target street to search for any listings related to the subject property as well as adjoining and nearby properties. Pleasant Drive and Hillview Street were searched as cross streets for any listings related to adjoining and nearby properties. Records were available from EDR for the following years:

1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. It should be noted that after records from 1987 and earlier appear to represent Crest Drive rather than Crest Street and were therefore ignored during our analyis. Below is a summary of observations and pertinent information taken from Summit's review of the historical local street directories:

Date(s)	Property Comments	Surrounding Area Comments
1965 - 2020	No residences or occupants were listed for the subject property	Almost entirely residential listings were observed, one church was observed at 100 Hillview Street from 1995 through 2020.
1992 - 2005		Adjoining property 502 Crest Street was occupied from 1992 until at least 2010.

6.2.5 Building Department Records

Records obtained from Orange County Geographic Information System (GIS) online resources were reviewed for evidence indicating the developmental history of the subject property and for the presence of documentation relative to underground storage tanks. Since the subject property is undeveloped, no history of development of the subject property was available for review with these resources.

GIS records review were performed for the adjoining property at 502 Crest Street, and no records pertaining to the heating methods of that home were available. This property had last been sold in 2002.

6.2.6 Title Records

No title records were provided by the Town of Carrboro. The most recent deed for the subject property was obtained through Orange County Geographic Information System (GIS) online resources. Information from our review of the most recent available deed is summarized in the table below:

Title Records			
Information Source	**Date(s)**	**Book/Page**	**Listed Owner**
Orange County, NC Register of Deeds	12/14/2004	3539/385	Town of Carrboro

6.2.7 Previous Environmental Reports

No previous environmental reports were identified or made available by Town of Carrboro during the Phase I ESA.

6.2.8 Other Historical Records

No other historical records were reviewed by Summit Design & Engineering Services during this Phase 1 ESA.

6.2.9 Historical Summary

Historical information identifying the past use of the subject property was obtained from a variety of sources as detailed in Appendix C of this report and included City Directories, Aerial Photographs, Sanborn Fire Insurance Maps, and Topographic Maps.

Historical Summary			
Period	**Source**	**Subject Property Uses**	**Adjoining Property Uses**
1946	Topographic Maps	Vacant/Undeveloped Wooded Lot	Agricultural/Undeveloped Woodeded Land
1947	Topographic Maps	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1950	Aerial Photographs	Open Field / Pasture	Agricultural, Residential, & Wooded Land
1955	Aerial Photographs	pen Field / Pasture	Agricultural, Residential, & Wooded Land
1961	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1964	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1965	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1968	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1972	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1972-1978	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
1973	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1975	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1977	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980-1981	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1982	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1983	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1987	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1992	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1993	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1993	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1995	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1999	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2000	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2002	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2002	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2005	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2006	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2009	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2010	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2012	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2013	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2014	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2016	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2016	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2017	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2019	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2020	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
2020	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2022	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

6.3 Standard Environmental Record Resources

Summit Design & Engineering Services contracted Environmental Data Resources, Inc. (EDR) to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-21 are summarized in the following table. Detailed information for sites identified within the AMSDs is provided below, along with an opinion about the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property. Copies of the EDR research data and a description of the databases are included in Appendix D of this report.

Map Findings Summary								
Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
FEDERAL FACILITY		0.5	0	0	0	NR	NR	0
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-VSQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	0	0	NR	NR	0
ERNS		0.001	0	NR	NR	NR	NR	0
HMIRS		0.001	0	NR	NR	NR	NR	0
DOD		1	0	0	0	0	NR	0
FUDS		1	0	0	0	0	NR	0
US BROWNFIELDS		0.5	0	0	0	NR	NR	0
CONSENT		1	0	0	0	0	NR	0
UMTRA		0.5	0	0	0	NR	NR	0
ODI		0.5	0	0	0	NR	NR	0
TRIS		0.001	0	NR	NR	NR	NR	0
TSCA		0.001	0	NR	NR	NR	NR	0
FTTS		0.001	0	NR	NR	NR	NR	0
SSTS		0.001	0	NR	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
DOT OPS		0.001	0	NR	NR	NR	NR	0
ICIS		0.001	0	NR	NR	NR	NR	0
HIST FTTS		0.001	0	NR	NR	NR	NR	0
RADINFO		0.001	0	NR	NR	NR	NR	0
LIENS 2		0.001	0	NR	NR	NR	NR	0
PADS		0.001	0	NR	NR	NR	NR	0
MLTS		0.001	0	NR	NR	NR	NR	0
FINDS		0.001	0	NR	NR	NR	NR	0
RAATS		0.001	0	NR	NR	NR	NR	0

Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS REGION 9		0.5	0	0	0	NR	NR	0
PWS		TP	NR	NR	NR	NR	NR	0
PFAS ECHO		0.25	0	0	NR	NR	NR	0
PRP		0.001	0	NR	NR	NR	NR	0
PFAS ECHO FIRE TRAINING		0.25	0	0	NR	NR	NR	0
PFAS NPL		0.25	0	0	NR	NR	NR	0
UST FINDER RELEASE		0.5	0	0	1	NR	NR	1
ABANDONED MINES		0.25	0	0	NR	NR	NR	0
US AIRS		0.001	0	NR	NR	NR	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
FUSRAP		1	0	0	0	0	NR	0
RCRA NonGen / NLR		0.25	0	0	NR	NR	NR	0
US CDL		0.001	0	NR	NR	NR	NR	0
EPA WATCH LIST		0.001	0	NR	NR	NR	NR	0
AQUEOUS FOAM NRC		0.25	0	0	NR	NR	NR	0
PFAS TRIS		0.25	0	0	NR	NR	NR	0
IHS OPEN DUMPS		0.5	0	0	0	NR	NR	0
PFAS WQP		0.25	0	0	NR	NR	NR	0
PFAS FEDERAL SITES		0.25	0	0	NR	NR	NR	0
PFAS RCRA MANIFEST		0.25	0	0	NR	NR	NR	0
RMP		0.001	0	NR	NR	NR	NR	0
COAL ASH DOE		0.001	0	NR	NR	NR	NR	0
EDR Hist Auto		0.125	0	NR	NR	NR	NR	0
2020 COR ACTION		0.25	0	0	NR	NR	NR	0
BIOSOLIDS		0.001	0	NR	NR	NR	NR	0
PFAS TSCA		0.25	0	0	NR	NR	NR	0
PFAS ATSDR		0.25	0	0	NR	NR	NR	0
DOCKET HWC		0.001	0	NR	NR	NR	NR	0
PCB TRANSFORMER		0.001	0	NR	NR	NR	NR	0
PFAS NPDES		0.25	0	0	NR	NR	NR	0
UST FINDER		0.25	0	0	NR	NR	NR	0
COAL ASH EPA		0.5	0	0	0	NR	NR	0
LEAD SMELTERS		0.001	0	NR	NR	NR	NR	0
PFAS PART 139 AIRPORT		0.25	0	0	NR	NR	NR	0
US HIST CDL		0.001	0	NR	NR	NR	NR	0
US FIN ASSUR		0.001	0	NR	NR	NR	NR	0
UXO		1	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.5	0	0	0	NR	NR	0
FUELS PROGRAM		0.25	0	0	NR	NR	NR	0
US MINES		0.25	0	0	NR	NR	NR	0
ROD		1	0	0	0	0	NR	0
EDR Hist Cleaner		0.125	0	NR	NR	NR	NR	0
USGS WATER WELLS		1	0	0	0	0	NR	0
ECHO		0.001	0	NR	NR	NR	NR	0
MINES MRDS		0.25	0	0	NR	NR	NR	0
SHWS		1	0	0	1	3	NR	4
SWF/LF		0.5	0	0	0	NR	NR	0
HIST LF		0.5	0	0	0	NR	NR	0
UIC		0.001	0	NR	NR	NR	NR	0
LUST		0.5	1	2	18	NR	NR	21
LUST TRUST		0.5	1	2	10	NR	NR	13
UST		0.25	0	0	NR	NR	NR	0
LAST		0.5	0	2	1	NR	NR	3
AST		0.25	0	0	NR	NR	NR	0

Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS		0.001	0	NR	NR	NR	NR	0
INST CONTROL		0.5	0	0	5	NR	NR	5
VCP		0.5	0	0	0	NR	NR	0
DRYCLEANERS		0.25	0	0	NR	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
AIRS		0.001	0	NR	NR	NR	NR	0
AOP		0.001	0	NR	NR	NR	NR	0
SPILLS 80		0.001	0	NR	NR	NR	NR	0
DAY CARE		0.001	0	NR	NR	NR	NR	0
CCB		0.5	0	0	0	NR	NR	0
SEPT HAULERS		0.001	0	NR	NR	NR	NR	0
PFAS		0.25	0	0	NR	NR	NR	0
Financial Assurance		0.001	0	NR	NR	NR	NR	0
DEBRIS		0.5	0	0	0	NR	NR	0
ASBESTOS		0.001	0	NR	NR	NR	NR	0
RGA LF		0.001	0	NR	NR	NR	NR	0
SPILLS 90		0.001	0	NR	NR	NR	NR	0
IMD		0.5	0	2	11	NR	NR	13
HSDS		1	0	0	0	1	NR	1
COAL ASH		0.5	0	0	0	NR	NR	0
WELLS		1	0	0	0	0	NR	0
NPDES		0.001	0	NR	NR	NR	NR	0
OLI		0.5	0	0	0	NR	NR	0
RGA HWS		0.001	0	NR	NR	NR	NR	0
PCSRP		0.5	0	0	0	NR	NR	0
RGA LUST		0.001	0	NR	NR	NR	NR	0
SWRCY		0.5	0	0	0	NR	NR	0
LCID		0.5	0	0	0	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0
INDIAN ODI		0.5	0	0	0	NR	NR	0
INDIAN RESERV		1	0	0	0	0	NR	0
EDR MGP		1	0	0	0	0	NR	0

Adjoining and Nearby Properties	
Site Name:	ROBERTSON PROPERTY UST
Databases:	LUST, LUST TRUST
Address:	124 ESTES DRIVE EXT
Distance (Feet):	364
Direction:	West-Northwest
Elevation:	Higher
Comments:	A leaking 550-gallon UST was discovered at this site prior to the sale of this property from Charles and Frank Robertson to Page B Rental, LLC. Upon discovery of the UST, the UST was excavated and removed and found to have numerous holes in the tank. Stained soils with a heating oil odor were observed at the base of the UST excavation. Therefore, contaminated soil totaling 63.54 tons was removed from the site. Upon removal of the contaminated soil, soil on the sidewalks and base of the excavation were sampled to confirm all contamination was removed. No groundwater was encountered in the excavation of the tank or contaminated soils. Laboratory testing of the sidewall and base soils indicated that no petroleum contaminant concentrations that exceed the Soil-to-Groundwater Maximum Soil Contaminant Concentrations remain in-situ, and that no further action be taken. This is not considered a REC of the subject property based on the fact that

Comments:	the source of the contamination at this site has been removed and the contaminated in-situ soils have been removed up to the satisfaction of regulating authorities.

Site Name:	GLENN OIL BULK FUEL FACILITY
Databases:	LAST, IMD
Address:	103 MULBERRY STREET
Distance (Feet):	664
Direction:	South
Elevation:	Higher
Comments:	Based on records reviewed at the State Records Center, the source of contamination at this site has been removed and the contaminated in-situ soils have been removed to the satisfaction of regulating authorities. A no further action notice was submitted for this incident. This site is not considered a REC of the subject property based on the type of reported incident and distance, and remediation efforts..

Site Name:	SHERRY PROPERTY (STEVEN)
Databases:	LUST, LUST TRUST
Address:	100 MULBERRY ST
Distance (Feet):	670
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	WHITE, MARTHA - RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	508 OAK AVENUE
Distance (Feet):	1026
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OAK AVE SPILL
Databases:	LAST
Address:	511 OAK AVE
Distance (Feet):	1035
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	WILTBERGER PROPERTY, TOM
Databases:	LUST, IMD
Address:	503 OAK AVE.
Distance (Feet):	1322
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	LISA CROUCHER PROPERTY
Databases:	LUST
Address:	406 OAK AVENUE
Distance (Feet):	1418
Direction:	South-Southwest
Elevation:	Higher

Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	KURALT, BRENDA RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	110 WATTERS ROAD
Distance (Feet):	1487
Direction:	West-Northwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PENDERGRASS, CATHERINE PROPERTY
Databases:	LUST, LUST TRUST
Address:	401 LINDSAY STREET
Distance (Feet):	1574
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PENDERGRASS, CATHERINE PROPERT
Databases:	IMD
Address:	401 LINDSAY STREET
Distance (Feet):	1574
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	LIEFF PROPERTY, SUSAN
Databases:	LUST, INST CONTROL
Address:	1200 N GREENSBORO ST
Distance (Feet):	1740
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	BURNETT PROPERTY (MARVA)
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	714 GOMAIN STREET
Distance (Feet):	1766
Direction:	Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	RODRIGUEZ GASOLINE RELEASE
Databases:	LAST
Address:	202 SHELTON ST
Distance (Feet):	1831
Direction:	South-Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SOUTHERN STATES CARRBORO
Databases:	LUST, UST
Address:	300 N. GREENSBORO ST.
Distance (Feet):	2015
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SOUTHERN STATES PROPERTY
Databases:	IMD
Address:	300 N. GREENSBORO STREET
Distance (Feet):	2015
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PERRY PROPERTY, HOYT
Databases:	LUST TRUST, LUST, IMD
Address:	103 PINE STREET
Distance (Feet):	2048
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SELF HELP PROPERTY
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	605 CRAIG STREET
Distance (Feet):	2051
Direction:	Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	GREENSTREET PROPERTY
Databases:	LUST, LUST TRUST
Address:	100 E. PINE STREET
Distance (Feet):	2070
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	FITCH LUMBER COMPANY, INC
Databases:	IMD, LUST, UST
Address:	309 N GREENSBORO STREET
Distance (Feet):	2084
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	FITCH LUMBER COMPANY, INC
Databases:	UST FINDER RELEASE, UST FINDER
Address:	309 N GREENSBORO STREET
Distance (Feet):	2084
Direction:	South

Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OAKLEY, LOUISE - PROPERTY
Databases:	IMD, LUST, ASBESTOS
Address:	105 PINE STREET
Distance (Feet):	2132
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	ONTJES PROPERTIES LLC (10/98)
Databases:	LUST TRUST, LUST, IMD
Address:	205 LLOYD STREET
Distance (Feet):	2235
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	NORRIS PROPERTY (GEORGIA)
Databases:	LUST TRUST, LUST, IMD
Address:	114 ELM STREET
Distance (Feet):	2433
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SECU*RE OAK PROPERTY
Databases:	LUST, INST CONTROL
Address:	109 OAK STREET
Distance (Feet):	2438
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	CARR MILL MALL
Databases:	SHWS
Address:	200 N GREENSBORO ST
Distance (Feet):	2464
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	CARR MILL MALL
Databases:	IMD
Address:	200 NORTH GREENSBORO STREET
Distance (Feet):	2464
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	BAKER PROPERTY, SUSAN
Databases:	LUST, INST CONTROL
Address:	110 PINE STREET
Distance (Feet):	2475
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	HOGAN RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	202 EAST POPLAR AVENUE
Distance (Feet):	2515
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PROVIDENCE PROPERTY
Databases:	LUST, LUST TRUST
Address:	115 OAK STREET
Distance (Feet):	2626
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Databases:	SHWS
Address:	N MERRITT MILL RD AND W FRANKL
Distance (Feet):	3565
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OWASA - NELLO TEER QUARRY
Databases:	IMD, LAST, SHWS
Address:	HIGHWAY 54
Distance (Feet):	4522
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	UNC-COGENERATION FACILITY
Databases:	SHWS, VCP
Address:	575 W CAMERON AVE
Distance (Feet):	4690
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	ROGERS-THIEM INC
Databases:	HSDS
Address:	501 S Greensboro Street
Distance (Feet):	5228
Direction:	South

Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based on the type of reported incident, distance, and being at a lower elevation than the subject property

Orphans Summary	
Facility Name:	AMOCO #2281
Databases:	
Address:	EASTGATE SHOPPING CENTER
Comments:	This site is not considered a REC of the subject property based on Eastgate Shopping Center's distance from the subject property

Facility Name:	CHAPEL HILL LANDFILL
Databases:	
Address:	1000 ESTES DRIVE EXTENSION
Comments:	Unable to accurately locate this landfill, unable to identify any current or historic landfill along Estes Drive. All active landfills in the area are on Eubanks Rd over a mile to the north of the subject property. Not considered a REC.

Facility Name:	ROCKY BROOK WASHERETTE
Databases:	
Address:	SOUTH GREENSBORO STREET (C)
Comments:	Not able to accurately locate this orphan site, it is/was likely a coin laundromat near the Rocky Brook Mobile Home Park approximately a mile south of the subject property. Not considered a REC.

Facility Name:	KAST PROPERTY, CHARLES
Databases:	
Address:	406 MITCHELL LANE
Comments:	This site is over half a mile from the site, and is therefore not considered a REC.

Facility Name:	ORANGE COUNTY WALNUT GROVE HHW
Databases:	
Address:	3605 WALNUT GROVE CHURCH RD
Comments:	This site is 15 miles north of the subject property, and therefore is not considered a REC

6.3.1 Regulatory File Review

Pursuant to Section 8.2.3.1 of the ASTM E1527-21 Standard, Pertinent regulatory files and/or records associated with listings identified within the subject property or adjoining properties should be reviewed. The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the subject property in connection with the listing.

The subject property and adjoining properties were not flagged within the regulatory records search of ASTM standard environmental record sources. Therefore, no Regulatory File Review was conducted for this Phase 1 ESA.

6.4 Additional Environmental Record Resources

In addition to the ASTM-required Standard Environmental Record Sources, Summit reviewed additional federal, state, local, and proprietary databases provided by EDR. No incidents, sites, or facilities were flagged within the additional environmental record resources searched. A complete list and description of additional environmental record resources searched can be found in Appendix D of this report.

6.5 Vapor Encroachment Evaluation

For the purposes of the ASTM E1527-21 Standard, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E2600 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.* By including this explicit reference to vapor migration in the subsurface, the ASTM E1527-21 Standard clarifies and reinforces the need to address potential vapor migration issues, which is essentially a Tier 1 screening under the ASTM E2600 Standard.

The ASTM E2600 Standard defines default values for plume length using extensive research on both volatile chemical plumes (such as chlorinated solvent plumes from dry cleaners) and volatile petroleum hydrocarbon plumes from leaking Underground Storage Tank (UST) sites. These default values are used to form an Area of Concern (AOC) around the subject property that is used by the EP to help identify which off-site issues may pose a risk for contaminant migration.

In order to be conservative, the plume length selected to form the default value for the AOC was based upon the 90th percentile distance of typical migration as well as additional footage for expected vapor migration through a reasonably permeable soil. The AOC is smaller for petroleum hydrocarbons because they are known to undergo significant biodegradation in the presence of oxygen. If groundwater flow direction is known or can be inferred, then the AOC can be reduced significantly in the down-gradient and cross-gradient directions, and a default plume width can be inferred.

Summit maintained the default values recommended by the ASTM E2600 Standard when designating the AOC for the subject property. Based on the physical setting sources reviewed, the location of the AOC was determined by Summit to be generally southwest of the subject property. The following tables summarize the results of the vapor encroachment evaluation by listing the number of sites, incidents, and/or facilities located within the ASTM E2600 specified distances from the subject property:

Standard Environmental Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	0	0
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	0	0
State and tribal - equivalent NPL	not searched	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	0	0
State and tribal institutional control / engineering control registries	0.333	0	0	0
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfield sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

Historical Use Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

6.6 Environmental Liens and Activity/Use Limitations

Unless added by a change in the scope of work to be performed by the EP, the ASTM E1527-21 Standard does not impose on the EP the responsibility to undertake a review of recorded land title records or judicial records (where applicable) for environmental liens and activity & use limitations (AULs). The process of searching and evaluating land title records or judicial records ordinarily requires specialized expertise provided by title insurance companies or title search professionals. As described in Section 6.2 of the ASTM Standard, reviewing land title records or judicial records for AULs and environmental liens is a User responsibility. Unless notified otherwise, we assume that Town of Carrboro. is evaluating this information outside the scope of this report and has reported the accurate results of this work in their response to the User Questionnaire.

In some cases, in lieu of or in addition to being filed in the land title records or judicial records, AULs may be found in separate Federal, State, & Tribal Engineering Control (EC) and Institutional Control (IC) databases. These databases were searched along with the other ASTM-required Standard Environmental Record Sources listed in Section 6.3. The subject property was not flagged within the EC or IC databases provided by EDR.

7.0 SITE RECONNAISSANCE

The purpose of the site reconnaissance is to collect information and make observations to help identify RECs in connection with the subject property. The reconnaissance typically consists of observations of the subject property from the site boundaries and selected interior portions of the site, as well as a cursory inspection of the adjoining properties. The EP observes the subject property for signs of past or present handling, storage, or releases of hazardous substances or petroleum products. These observations include an inspection of surface conditions at the site, including, but not limited to, stressed vegetation, stained pavement, strong odors, or unusual soil discoloration that could indicate a past or ongoing release.

The adjoining property reconnaissance consists of observations of the surrounding properties from the site boundaries and accessible public right-of-way. Photographs of the subject property and, if appropriate, adjoining properties are taken by the EP to document the site as well as any potential environmental risks that may be present. Photographs were taken at the time of the site reconnaissance for this Phase I ESA can be found in the following sections and are completely documented in Appendix B.

7.1 Methodology and Limiting Conditions

Observations of the subject property and adjoining properties were primarily made from a walking reconnaissance of the entire area of the site. The adjoining properties were visually observed from portions of the subject property's perimeter.

The site reconnaissance occurred on April 11, 2024. Leaf litter and vegetation cover obscured the ground surface of the subject property during the site reconnaissance, however this is not considered to be a significant data gap.

7.2 General Subject Property Setting

The subject property consists of approximately 1.08 Acres acres and consists of undeveloped wooded areas. The ground surface at the site slopes gently downward to the northeast. The subject property is accessed from the southeast via an entrance from Crest Street.

7.3 Site Visit Findings

The following table summarizes site observations and information obtained from interviews. Affirmative or Negative responses are designated by an "X" in the following table. Affirmative responses are discussed in more detail in the sections following the table. The following items or features below are limited to what was observed or identified within the boundaries of the subject property.

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substances		X
Petroleum Products		X
Underground Storage Tanks (USTs)		X
Aboveground Storage Tanks (ASTs)		X
Strong, Pungent, or Noxious Odors		X
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		X
Drums, Totes, and Intermediate Bulk Containers		X

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses		X
Unidentified Substance Containers		X
PCB-Containing Items		X
Stains or Corrosion on Floors, Walls, or Ceilings		X
Drains and Sumps	X	
Pits, Ponds, or Lagoons		X
Solid Waste		X
Stained Soil or Pavement		X
Stressed Vegetation		X
Wells		X
Construction Debris and Fill Dirt	X	

7.3.1 Drains and Sumps

Water/Wastewater
During the site reconnaissance, a flowing stream and a sanitary sewer were observed on the property. The stream generally flows from the southwest to the northeast, it is assumed that the sanitary sewer flows the same direction. No sheen or odor was observed in the stream.

ASSOCIATED PHOTOGRAPHS


Sanitary Sewer transecting the subject property


Stream on the subject property

ASSOCIATED PHOTOGRAPHS continued



Stream on the subject property

7.3.2 Other

Construction debris and fill dirt was observed on the southern end of the site. The construction debris consisted of bricks and concrete chunks.

ASSOCIATED PHOTOGRAPHS



Construction Debris on southern corner of property



Minor amounts of fill dirt on southern corner of subject property

8.0 INTERVIEWS

The objective of the interview portion of the Phase I ESA is for the EP to obtain information concerning past and current uses of the subject property from persons who may have specialized knowledge of the property. This information is obtained from interviews that can be conducted with present owners, past owners, operators, managers, or occupants of the subject property. The interviews can be held in various mediums such as in-person, by telephone, or by email. The ultimate goal is to identify past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property.

Additionally, interviews with state or local government officials should be conducted. Some examples of state or local government officials include local fire departments, state or local health agencies, state or local agencies responsible for hazardous waste disposal, and local agencies responsible for the issuance of building permits. These interviews are typically conducted to check for records of emergency responses to fires, hazardous materials spills, or other environmental concerns at the subject property.

Interviews	
Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe and Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the Standard Interview Form to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was not aware of any past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property. A copy of the Standard Interview Form can be found located in Appendix H.

Role:	Local Gov't Official
Title:	Deputy Chief / Fire Marshal
Name:	Carl Freeman
Company:	Carrboro Fire Rescue Department
Method:	Written Response
Comments:	Summit sent an email to Mr. Freeman on April 18, 2024, inquiring as to whether his department had any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties. Mr. Freeman responded to this email on May 7, 2024, indicating that he did not have any records of the previously mentioned issues on the property. A copy of Summit's correspondence with Mr. Freeman can be found in Appendix H.

9.0 NON-SCOPE CONSIDERATIONS

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services at the subject property.

10.0 FINDINGS AND OPINIONS

The following section presents Summit's findings that have been identified in one or more sections of this report. Each finding is thoroughly described and evaluated in the paragraphs below. This evaluation includes a description of the logic and reasoning used by the EP to form a professional opinion of the environmental risk posed to the subject property by each finding.

1.) Robertson Property UST. This site involved a leaking 550-gallon residential UST located 364 feet west-northwest of and at a higher elevation than the subject property. This site was mediated and closed out by September 2015. Therefore, Summit does not consider this incident to be a REC of the subject property based on the fact that the source of the contamination at this site has been removed and the contaminated in-situ soils removed to the satisfaction of regulating authorities. However, it is considered a de minimis condition of the subject property.

2.) The Former Glenn Oil Bulk Fuel Facility. This site involved a leaking above ground storage tank located 664 feet south of and at at a higher elevation than the subject property. The leaking tanks and contaminated soils were removed, and a no further action status was granted on June 8, 2000. The incident was closed out in November 2004. Therefore, Summit does not consider this incident to be a REC of the subject property based on the fact that the source of the contamination at this site has been removed and the contaminated in-situ soils removed to the satisfaction of regulating authorities. However, it is considered a de minimis condition of the subject property.

3.) A sanitary sewer transects the property from west to east. Sanitary sewers have the ability to transport contaminants from off-site sources through the subject property when industrial facilities and petroleum product users improperly dispose of their waste into the sanitary sewer system. If these practices are occurring farther up the sanitary sewer system, and if the sewer is leaking on or near the subject property, the sewer can deposit those contaminants onto the subject property for long periods of time. However, no evidence of the sewer leaking was observed during the site reconnaissance. Additionally, the area surrounding the subject property is mostly residential in nature, and therefore it is unlikely that significant industrial or petroleum contaminants would be present in the sewer system in this area. Therefore, Summit does not consider the sanitary sewer to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

4.) The adjacent properties having a historical use as residential properties dating back to at least 1946. Numerous structures, assumed as residential, were present on some adjacent properties since at least 1946. By 1947, 62% of all U.S. homes had been equipped with either propane or natural gas for heating and cooking. The remaining households utilized other methods such as electricity, wood fire, and heating oil (kerosene). Based on the time frame they have been present, Summit believes that there is at least a possibility that heating oil was used at one or more structures on the adjoining properties. Therefore, it is at least possible that there could have been kerosene ASTs or USTs in close proximity to the subject property, which is why this topic warrants mentioning in this section of the report.

The residences would have been the most likely structures to have had kerosene ASTs or USTs, but if any of the structures were agricultural use such as tobacco barns, they could have too. Based on the information gathered during this ESA, Summit has no reason to believe there were ASTs or USTs associated with the structures on the adjoining property. Therefore, Summit does not consider the historical presence of these structures to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

If USTs or ASTs unknown to Summit were present near the subject property, this issue has the potential to rise to the level of a de minimis condition. Minor releases of petroleum products would be expected to have occurred with the regular usage and maintenance of ASTs or UST. These releases, if they occurred, would be expected to be insignificant and would likely now be heavily dispersed. If present, the concentrations of the contaminants would not be expected to exceed regulatory enforcement action levels and would, therefore, only rise to the level of a de minimis condition of the subject property. However, it is also possible that unknown or undisclosed ASTs or

USTs were used and remain at the subject property. If a tank or tanks remain present, each could rise to the level of a REC of the subject property.

Additionally, the historical presence of structures that may have been used for agricultural purposes could mean that farm equipment was stored and maintained on the adjoining properties. Routine use and maintenance of farm equipment could lead to minor releases of hazardous substances or petroleum products into the environment. These types of releases, if they occurred, would be expected to be insignificant and would likely now be heavily dispersed. If present, the concentration of contaminants would not be expected to exceed regulatory enforcement action levels and would, therefore, only rise to the level of a de minimis condition. However, if improper and repetitive disposal of hazardous substances or petroleum products such as waste oil occurred, the resulting contamination could rise to the level of a REC of the subject property.

5.) The presence of construction debris and some fill placement on the southern corner of the subject property. Some small piles of brick and concrete chunks were observed on the southern corner of the subject property. The material was likely to have been placed from adjoining properties since no structures are known to have been on the subject property. The construction debris itself exhibited no obvious contamination releasing into the environment. However, construction debris and/or fill dirt can indicate a potential for past releases of a hazardous substances or petroleum products into the environment, typically due to illegal activities or improper business practices. These materials can also obstruct evidence of USTs or releases of hazardous substances or petroleum products into the environment. Summit does not consider the presence of this construction debris and fill placement on the subject property to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in the section of the report.

11.0 CONCLUSIONS

The professional opinions formed for each finding allow for an overall conclusion of the environmental condition of the subject property and potential risks associated with any findings. The following statement is Summit's conclusion that has been reached upon our completion of the Phase I ESA of the subject property.

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Crest Street). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

12.0 RECOMMENDATIONS

Recommendations are not required by the ASTM E1527-21 Practice. A User should consider whether recommendations for additional inquiries or other services are desired. Recommendations are an additional service that may be used in the User's analysis of LLPs or BERs.

The EP should provide an opinion regarding additional appropriate investigation, if any, to detect the presence of hazardous substances or petroleum products. A Phase I ESA, which includes such an opinion by the EP, does not render the assessment incomplete. This opinion is not intended to constitute a requirement that the EP include any recommendations for Phase II or other assessment activities.

Based on the scope of services, limitations, findings, and conclusions of this Phase I ESA, it is the opinion of Summit Design and Engineering Services that additional environmental assessment of the subject property is not warranted.

13.0 REFERENCES

The following sources were consulted while putting together this Phase I ESA report template and/or this specific Phase I ESA Report:

- Horton J. Wright., and Victor A. Zullo. *The Geology of the Carolinas: Carolina Geological Society Fiftieth Anniversary Volume*. University of Tennessee Press, 1991.

- Fitts, Charles R. *Groundwater Science*. Academic Press, 2002

- Brown, Philip M., et al. "Geologic Map of North Carolina, 1985." Geologic Map of NorthCarolina,1985, The Survey, 1985

- Buonicore, Anthony J. *Methodology for Identifying the Area of Concern Around a PropertyPotentially Impacted by Vapor Migration from Nearby Contaminated Sources*. AWMA, 2011, pp. 1-7

- Interstate Technology & Regulatory Council (ITRC). 2018. "Light Non-Aqueous Phase Liquid(LNAPL)Site Management: LCSM Evolution, Decision Process, and Remedial Technologies." LNAPL -3.Washington, D.C. https://lnapl-3.itrcweb.org

- United States, Congress "An Introduction to Characterizing Sites Contaminated with DNAPLs." Interstate Technology and Regulatory Council, 2003.

- Geyer, Wayne B. *Handbook of Storage Tank Systems: Codes, Regulations, and Designs.* Dekker,2000.

- "Propane." Wikipedia, Wikimedia Foundation, 6 Dec. 2020 en.wikipedia.org/wiki/Propane.http://dpstudioenvironmental.com/uploads/3/4/6/4/34643401/dpstudio_is_it_a_rec_issue_no_4_the_abcs_of_pcbs_dec_2016.pdf

- https://www.epa.gov/privatewells/learn-about-private-water-wells

The table below summarizes the sources provided by EDR and reviewed for this Phase I ESA:

Appendix A:

Figures

Image Provided By EDR Aerials

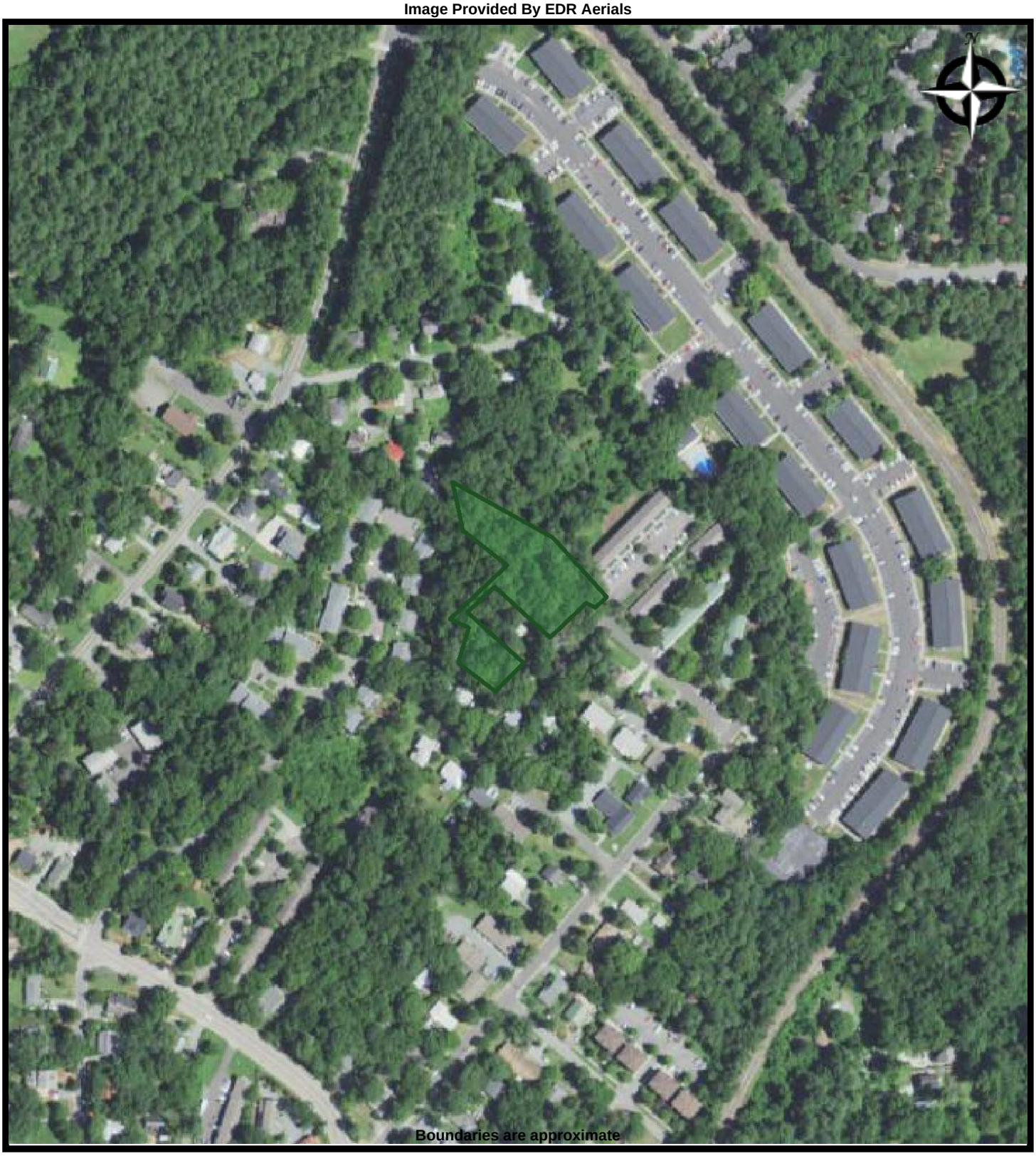


SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE I - SUBJECT PROPERTY
CARRBORO DUE DILIGENCE - CREST STREET
Crest Street
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Aaron Gross
DATE: 5/31/2024
PROJ. #: 23-0350.204

Image Provided By EDR Aerials



SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE II - SUBJECT AND ADJOINING PROPERTIES
CARRBORO DUE DILIGENCE - CREST STREET
Crest Street
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Aaron Gross
DATE: 5/31/2024
PROJ. #: 23-0350.204

Appendix B:

Photographs



1: Subject Property from Crest Street



2: Southeast adjoining property



3: Sanitary Sewer transecting the subject property



4: Stream on the subject property



5: Center of the subject property



6: North adjoining property



7: Stream on the subject property



8: South adjoining subject property



9: Northwest adjoining properties



10: Western portion of subject property



11: Western adjoining properties



12: View of Crest Street when facing South from subject property



13: Construction Debris on southern corner of property



14: Minor amounts of fill dirt on southern corner of subject property

Appendix C:

Historical Research

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.5
April 02, 2024

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1987	☑	☐	Polk City Directories
1982	☑	☐	Polk City Directories
1977	☑	☐	HILLS DIRECTORY CO.
1972	☑	☐	HILLS DIRECTORY CO.
1968	☑	☐	HILLS DIRECTORY CO.
1965	☑	☐	HILLS DIRECTORY CO.

FINDINGS

TARGET PROPERTY STREET

Not Reported
Carrboro, NC 27510

Year	*CD Image*	*Source*
CREST ST		
2020	pg A1	EDR Digital Archive
2017	pg A3	Cole Information
2014	pg A5	Cole Information
2010	pg A7	Cole Information
2005	pg A9	Cole Information
2000	pg A11	Cole Information
1995	pg A13	Cole Information
1992	pg A15	Cole Information
1987	pg A17	Polk City Directories
1987	pg A18	Polk City Directories
1982	pg A19	Polk City Directories
1977	pg A20	HILLS DIRECTORY CO.
1977	pg A21	HILLS DIRECTORY CO.
1972	pg A22	HILLS DIRECTORY CO.
1968	pg A23	HILLS DIRECTORY CO.
1965	pg A24	HILLS DIRECTORY CO.

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
HILLVIEW ST			
2020	pg. A2	EDR Digital Archive	
2017	pg. A4	Cole Information	
2014	pg. A6	Cole Information	
2010	pg. A8	Cole Information	
2005	pg. A10	Cole Information	
2000	pg. A12	Cole Information	
1995	pg. A14	Cole Information	
1992	pg. A16	Cole Information	
1987	-	Polk City Directories	Street not listed in Source
1982	-	Polk City Directories	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CREST ST 2020

100	AMANDA RICKARD
	ANDELIENE CROCE
	ANIL BHATTARAI
	JAMES DANIEL
	MELISSA TAYLOR
	RUHIYYIH MYERS
102	CHRISTOPHER RUMBLEY
	DARRYL EDWARDS
	GAEA BOGUE
	IZABELLA HUTZLER
	SARA BAUMGARTNER
107	ANDREW WILKIINS
	DENISE CAYLOR
	DENISE PEARCE
	ERIC BALDWIN
	ROBERT CAYLOR
110	COLIN JAVEL
	DENISE FARRINGTON
	ERIC FRIEDLANDER
	HANNAH FLAKE
111	JAN GJESTVANG-LUCKY
112	COLE COLLEEN
	KARI HARRIS
	MYSHA SISSINE
113	EMIL SNIZEK
	LYLE LANSDELL
200	ALEXANDER WEBB
	AMY ALLEN
	ANNELIESE ARNOLD
	COLLIN PERRY
	EMILY PIKE
	GRANT WISE
	HANNAH RACKERS
	JEAN SPEED
	JESSICA ROACHE
	KAELEN NESSL
	LAURA RACHAL
	MANUCHEHR AMINIAN
	NICHOLAS CATO
	PATTY BRASWELL
	ROBERT CASTRO
	SARAH SMOLEN
	STEPHANIE MADARA
	WILLIAM KINCY
301	PERRY TREE SVC
502	MATTHEW HEDT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

HILLVIEW ST 2020

100	AMY JOHNSON
	CARRBORO SP PUEBLO DEL DIOS
	CHARLES PENLEY
	MAURICE OGAICK
	MELISSA PENLEY
	NEIL PENLEY
	RICHARD JOHNSON
	WEST END FELLOWSHIP
101	JASON BASELICE
	MICHAL RAY
	NATASHA WILSON
	SOPHIA CARUSO
102	ERIC DEMONIA
103	ANN RIVES
	ELSTON RIVES
	ESTON RIVES
	EVELYN NEVILLE
	JACK NEVILLE
	SAMANTHA RIVES
104	STEVEN CLAPP
105	CHRISTOPHER KNOUFF
	CLARK CHURCH
	JOHN LANCASTER
	KELLEY KIRVEN
	SONYA FOWLER
106	KELLI DEPUY
	SAMANTHA PETERSON
107	DIANA GRIFFIN
	ROBERT GRIFFIN
108	CLARK CHURCH
	STEPHANIE SNYDER

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2017

100	MOE, TRAVIS
	TAYLOR, MELISSA A
	WATSON, JOSHUA
102	BAUMGARTNER, SARA
	MATHESON, TAMARA A
	WILSON, JAMES
110	HOLTZ, ALICIA A
	JONES, SYDNEY A
111	GJESTVANG, JAN E
112	BURTZLAFF, KYLE
	CRUTE, NANCY H
	SISSINE, MYSHA E
113	CANINO, LINDA C
200	BOEGNER, JOSHUA
	JOHNSON, MICHELLE C
	KELLEY, EVAN
	NESSL, ERIC C
	STEINHEBER, KATHRYN J
	WARRING, KELLY
	WEPPLER, MATTHEW

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2017

100	CHURCH, WESTEND
	LEE, ROBERT E
101	PORTER, JOHN M
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	STRANGE, SONAR
106	DEPUY, JAMES
107	GRIFFIN, ROBERT O
108	SWANN, TOMMIE L

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2014

100	BRUEHOEFENER, FRIEDERIKE
	BURGESS, JORDANNA H
	STEWART, STEPHANIE M
	TAYLOR, MELISSA A
102	WOOD, ANDREA N
110	HOLTZ, ALICIA A
112	MCLAIN, KELSEA B
	SISSINE, MYSHA E
113	CANINO, LINDA C
200	JAROCHA, LAUREN E
	LAMEKA, MARY E
	MOSE, LISLE E
	RATH, SARAH
303	DORMAN, CAROLYN
502	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2014

100	JOHNSON, TROY
	OCCUPANT UNKNOWN,
101	JACKMAN, LEAH D
	MCGINNIS, PATRICIA A
	WILSON, NATASHA M
102	BUCHANAN, LORI
103	NEVILLE, JACK W
104	CHANDLER, STEVEN C
105	STRANGE, SONAR
106	DEPUY, JAMES
107	OCCUPANT UNKNOWN,
108	GOODWIN-BROWN, HANNAH
	SWANN, TOMMIE L

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2010

100	HUME, KATIE
	JONES, KELLY A
	TAYLOR, MELISSA A
102	HARRINGTON, FANNIE M
111	GJESTVANG-LUCKY, JAN E
113	LANSDELL, LYLE W
200	ALBRITTON, BERNADETTE L
	DAVIS, ANGELA
213	CLARK, DOUG P
301	PERRY TREE SVC
	WILSON, ALTON
303	HERMAN, DAVID H
502	BAILEY, SHANNON

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2010

100	CHURCH OF THE HARVEST
	OCCUPANT UNKNOWN,
101	BARBEE, BLAINE E
	CHAMBERS, DOUGLAS L
	MCGINNIS, PATRICIA A
102	DEMONIA, ERIC C
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	CHURCH, CLARK S
106	WILSON, WILLIAM
107	OCCUPANT UNKNOWN,
108	ARAUJO, ANA M
	BAILEYPRIDHAM, J Z
	SWANN, TOMMIE

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2005

100	CASH, STEPHEN
	SAUCEDO, SILVANO
102	ALLEN, LATASHA
	DEROSE-WEISS, R
	HARRINGTON, FANNIE
	ROY, HEY
103	SAMUEL, COZA M
113	TOE, KYAW
200	DAVIS, ANGELA
	HILL, JAMES W
	HOLTON, SALLY
	HORSEY, GUSTAV
	LAMEKA, MARY E
	MANZANO, L
213	CLARK, DOUG P
287	OPTIMAL HEALTHWORKS
301	CALDWELL, TANEISHA
	WILSON, ALTON
303	HERMAN, DAVID
305	COOMBE, GREGORY W
502	HEDT, MATTHEW F

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2005

100	CHURCH OF GOD
	JOHNSON, TROY
	LI, MING Y
	OGAICK, MAURICE
101	GUIDRY, CHRISTOPHER F
	MCQUEENEY, KRISTA
	SYMONES, MICHEAL
	SYMONS, MICHAEL
	WILSON, BRENT
102	MCMULLEN, EDWARD A
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	RED DIRT BUILDERS LLC
	SMITH, LUKE
106	BLAISDELL, BENJAMIN S
107	GRIFFIN, ROBERT O

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2000

100	KIRCH, BARBARA
	MCGURK, MARY
	ROBERTSHAW, ZACHARY
102	BEAM, GREGORY
	NICKERSON, S L
200	BOYNTON, LOIS A
	BRASWELL-ISLER, PATTY
	BROOKS, D
	BYRD, WAYNE
	FRANKLIN, CHARLES M
	HOLTON, SALLY
	LLOYD, PAUL
	MILLARD, MIKE
	MONAHAN, PAUL E
301	HARRINGTON, FANNIE
303	BOYCE, J
502	DAWSON, RICHARD H

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2000

101	LAW, A
103	NEVILLE, JACK W
106	MILLS, C
108	HAMMOND, C

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 1995

100	MOUNT, J
	RAY, NILES
	STROM, BRYAN
	WILLIAMSON, JEANINE
102	LANHAM, MELANIE
	MILLER, DARCIE
	NICKERSON, S L
	PRYOR, MARTHA
	REILLY, HEATHER
	SEMIN, N
	WELLER, AMY E
103	SAMUEL, COZA
200	BISSETTE, TRACEY
	BRASWELL, PATTY J
	CLARK, TRULY
	DICKINSON, ALLISON
	GANEY, MICHAEL
	GENZEL, NOAH
	GLANVILLE, J
	HENRY, RICK
	HERSH, KEITH
	JOHNSON, JOHNNIE
	MINK, RANDI
	MURRAY, BRIAN
	OLMSTED, J
	ORNT, SUSAN J
	STOTT, C J
	WARD, E
213	CLARK, BARBARA J
301	EDWARDS, JEFFREY
	WOODS, MELVIN O
303	FERRARI, ROBERT
	HABBERSTAD, DOUG
	LOWNES, CRYSTAL
502	DAWSON, RICHARD H

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 1995

100	CHURCH OF THE HARVEST
	JOHNSON, TROY
101	GUNTHER, MIKE
	HICKS, JAMES
	LIOUBTCHENKO, MIKHAIL
	WAPLER, RUDIGER
102	MIECH, RICHARD
103	NEVILLE, JACK W
104	CHANDLER, STEVEN
	CLAPP, STEVEN C
105	GARNER, JOHN
	LABATE, LAURA
106	TACKETT, DORIS
107	SIMMONS, D N
108	GANZ, DAVID
	WELSH, WILLIAM F

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 1992

100	ONEILL, A
	SULLENGER, P
102	HASTY, MICHAEL
	MILES, RONALD
	NICKERSON, STELLA L
	PAGE, FELTON
	POWELL, LEE
103	SAMUEL, COZA
200	ABERNATHY, DAVID
	ALDRIDGE, SHAWN
	ANDERS, K E
	BEANE, S L
	BROWNLEY, KIM A
	CANIPE, HEATHER
	DEANS, HEATHER
	ELLIS, JIM
	MAREADY, ANDY
	MCNEAL, RALPH
	RAMEY, CORRIE
	SCHEER, ANTHONY
	STEVENSON, MELANIE
213	CLARK, BARBARA J
301	BOOKER, RUSSELL E III
	MEEKS, G S
	SUMMERFIELD, ROBIN
303	HABBERSTAD, DOUG
	MCRAE, B T
	REGAN, SHELIA
502	WHITAKER, S C
	WHITLATCH, JASON

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 1992

101	BLOOMER, NICOLE
	BRETON, LINDA
	DIXON, GLENN
	JEFFERS, SPENCER
102	TUTON, JOHN R
103	NEVILLE, JACK W
104	CHANDLER, STEVEN
	CLAPP, STEVEN C
105	DURKIN, THERESE
	FLATAU, CLAUDIA
	REGAN, KELLY
107	PRUDEN, M
108	PAYNE, RENEE S
	WELSH, WILLIAM F

Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1987

CREST DR (CARRBORO)—FROM S MERRITT ST WEST 1 SOUTH OF W CAMERON AV

ZIP CODE 27510
GRANT INTERSECTS
JOHNSON BEGINS

100 Apartments
A★Laker
B No Return
C No Return
C★Jacobs Cecil
D★Yedman
E★Durham Wm 968-8017
102 Apartments
A No Return
B No Return
C No Return
D★Wilkins David 942-7561
★Spragg Rita M 929-4165
113★Hill Gene 968-3064
200 Apartments
A1★Minshall Diane L 929-9977
A2 No Return
A3 No Return
A4 No Return
A5 No Return
A6★Lindsay Barbara 967-3663
A7 No Return
A8 No Return
A9 No Return
A10★Cozart Cynthia 933-5770

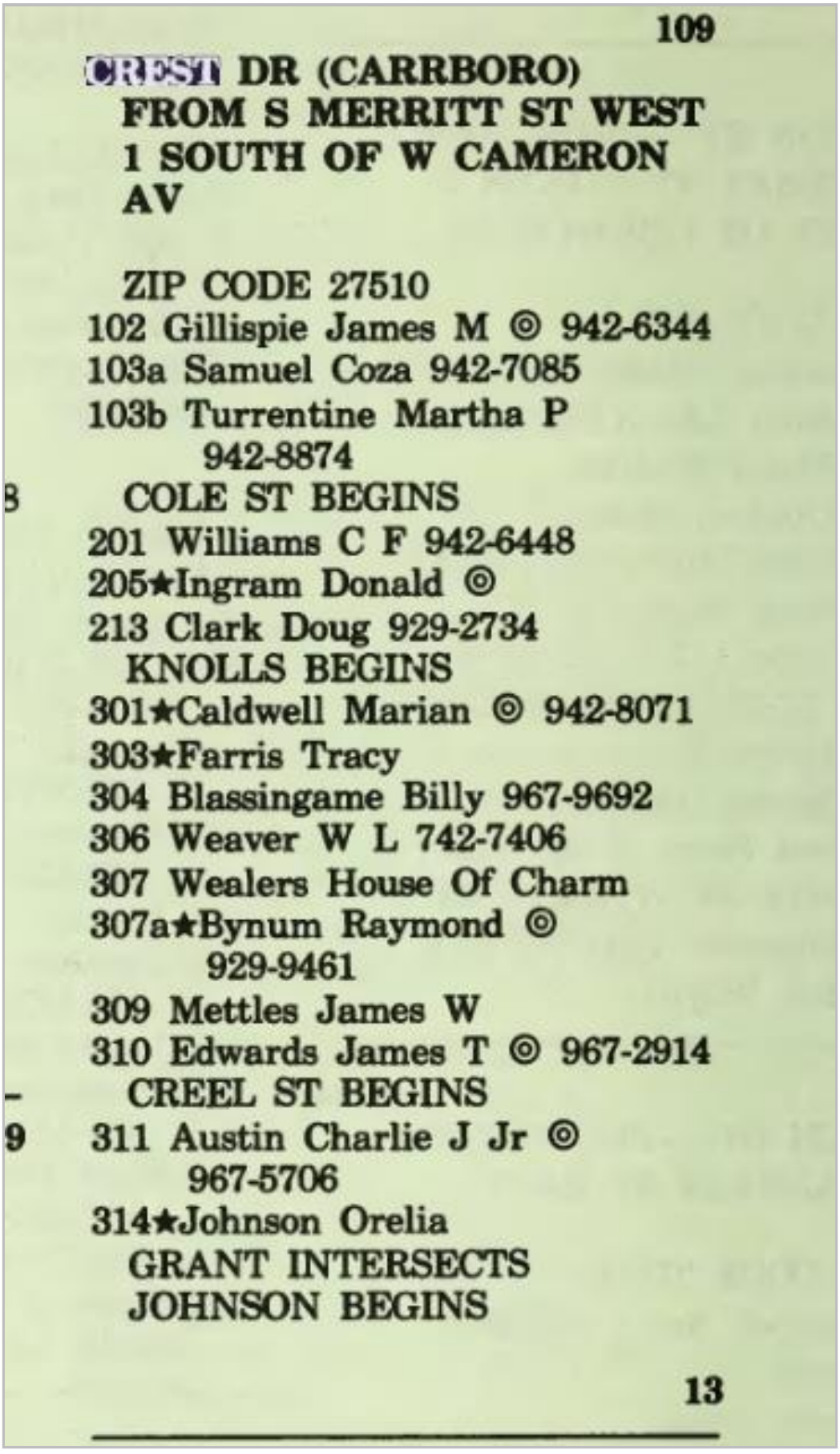
Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1987

CREST DR (C)—Contd
A11 No Return
A12★Byers Steve 942-8755
300 Apartments
A No Return (Apt A-D)
302★Guess Stacy 967-3873
303 Apartments
A★Hardison Janelle 967-8530
B No Return
C No Return
D★Minor Patricia 967-7594
311★Alston Mitchell D 967-5706

Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1982



109

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M ◎ 942-6344
103a Samuel Coza 942-7085
103b Turrentine Martha P
942-8874
COLE ST BEGINS
201 Williams C F 942-6448
205★Ingram Donald ◎
213 Clark Doug 929-2734
KNOLLS BEGINS
301★Caldwell Marian ◎ 942-8071
303★Farris Tracy
304 Blassingame Billy 967-9692
306 Weaver W L 742-7406
307 Wealers House Of Charm
307a★Bynum Raymond ◎
929-9461
309 Mettles James W
310 Edwards James T ◎ 967-2914
CREEL ST BEGINS
311 Austin Charlie J Jr ◎
967-5706
314★Johnson Orelia
GRANT INTERSECTS
JOHNSON BEGINS

13

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1977

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M © 942-6344
103a Nicherson Stella 929-7911
103b Turrentine Martha P
942-8874
COLE ST BEGINS
201 Williams Charles F ©
942-6448

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1977

205 Clark John H ◎ 942-1422
213 Clark Douglas P ◎ 929-2754
KNOLLS BEGINS
301 Fearrington Charlie N Jr ◎ 967-3022
303★Perry Cassandra ◎ 967-3017
304 Cotton James ◎ 942-2876
305 Crump Robt S ◎
306 Weaver Lawrence A ◎ 967-6387
307 Bynum Raymond 929-9461
309★Jones C L
310 Edwards James T ◎ 967-2914
CREEL ST BEGINS
311 Alston Charlie J Jr ◎
312 Mc Crimmon Walter L 942-6136
314 Vacant
GRANT INTERSECTS
JOHNSON BEGINS

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

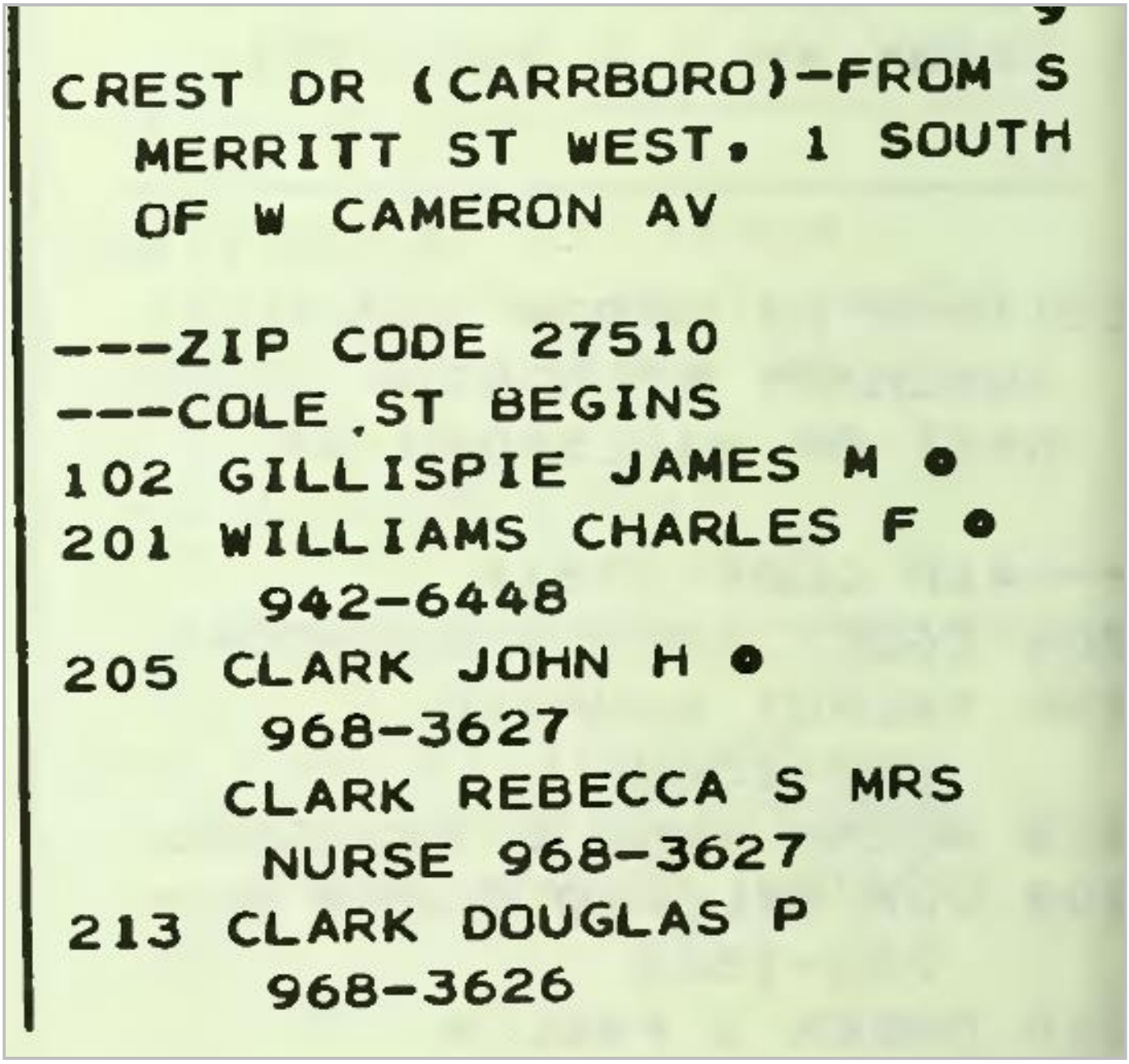
CREST ST 1972

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M ◎ 942-6344
103a Carroll Ruth B Mrs 967-3031
103 ★ Umpstead C E
109 Crowder Pauline
COLE ST BEGINS
201 Williams Charles F ◎
942-6448
205 Clark John H ◎ 942-1422
Clark Rebecca S Mrs nurse
213 Clark Douglas P ◎ 929-2754
KNOLLS BEGINS
301 Fearrington Charlie N Jr ◎
967-3022

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1968



CREST DR (CARRBORO)-FROM S
MERRITT ST WEST. 1 SOUTH
OF W CAMERON AV

---ZIP CODE 27510
---COLE ST BEGINS
102 GILLISPIE JAMES M ●
201 WILLIAMS CHARLES F ●
942-6448
205 CLARK JOHN H ●
968-3627
CLARK REBECCA S MRS
NURSE 968-3627
213 CLARK DOUGLAS P
968-3626

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1965

CREST DRIVE (Carrboro)—From S Merritt west, 1 south of W Cameron av

102 Gillespie Jas M ©

Cole begins

201 Williams Chas F © 942-6448

205 Clark John H © 968-3627

Clark Rebecca S Mrs nurse

213 Clark Douglas P 968-3626

Knolls begins

301 Watson Herbert

303 Fearrington Charlie N © 968-3601

304 Cotton Jas © 942-2876

305 Farrington Charlie N jr © 968-3607

306 Davis Robt A Rev ©

307 Baldwin Wm H © 968-3603

rear Baldwin's Barber Shop 968-3603

Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.8

April 05, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.8

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Flight Date: March 28, 2002	USGS
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1993	1"=500'	Acquisition Date: February 23, 1993	USGS/DOQQ
1983	1"=500'	Flight Date: April 04, 1983	NHAP
1980	1"=500'	Flight Date: January 19, 1980	USGS
1975	1"=500'	Flight Date: November 16, 1975	USDA
1973	1"=500'	Flight Date: February 24, 1973	USGS
1964	1"=500'	Flight Date: September 15, 1964	USGS
1961	1"=500'	Flight Date: August 17, 1961	USGS
1955	1"=500'	Flight Date: March 30, 1955	USDA
1950	1"=500'	Flight Date: November 18, 1950	USGS

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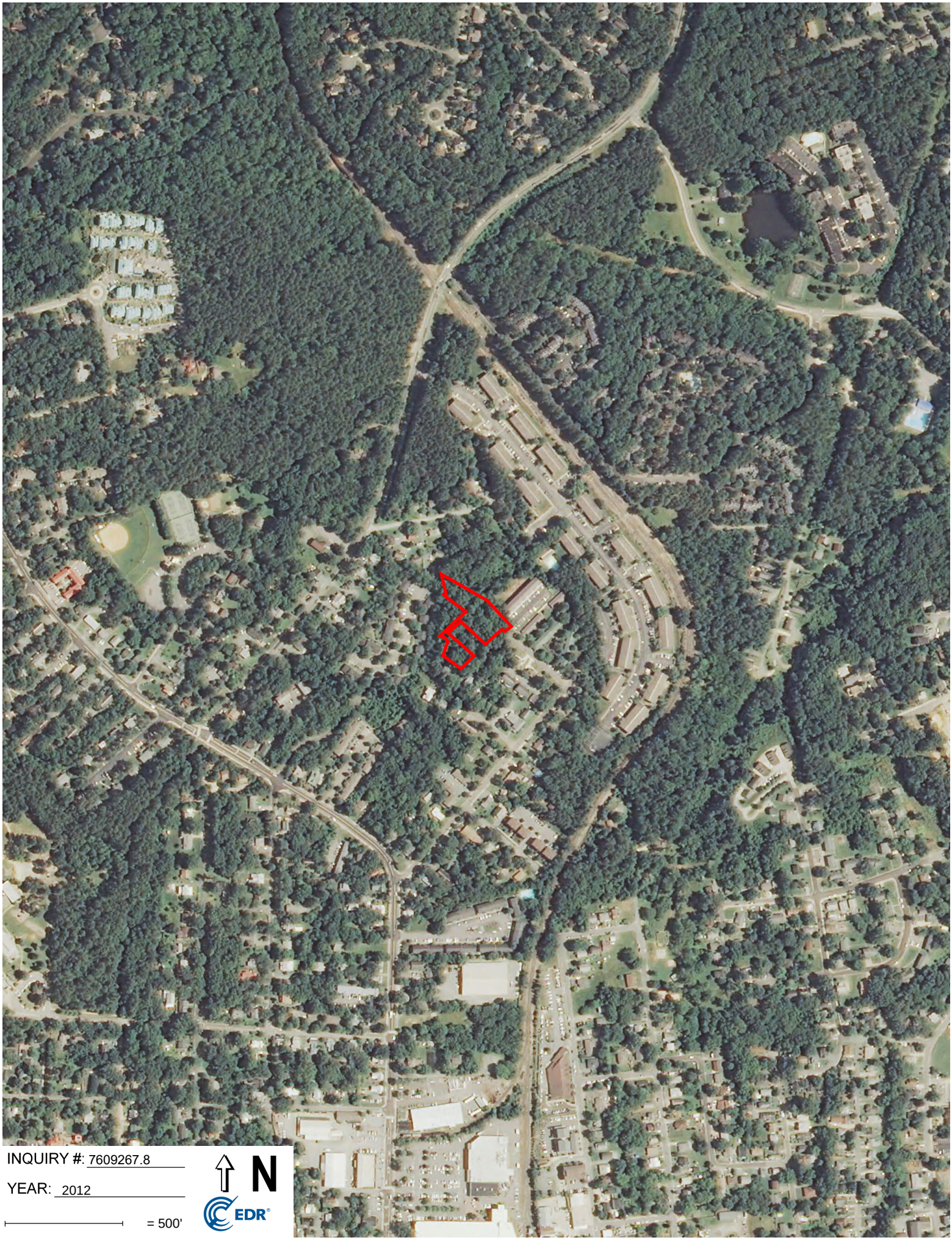
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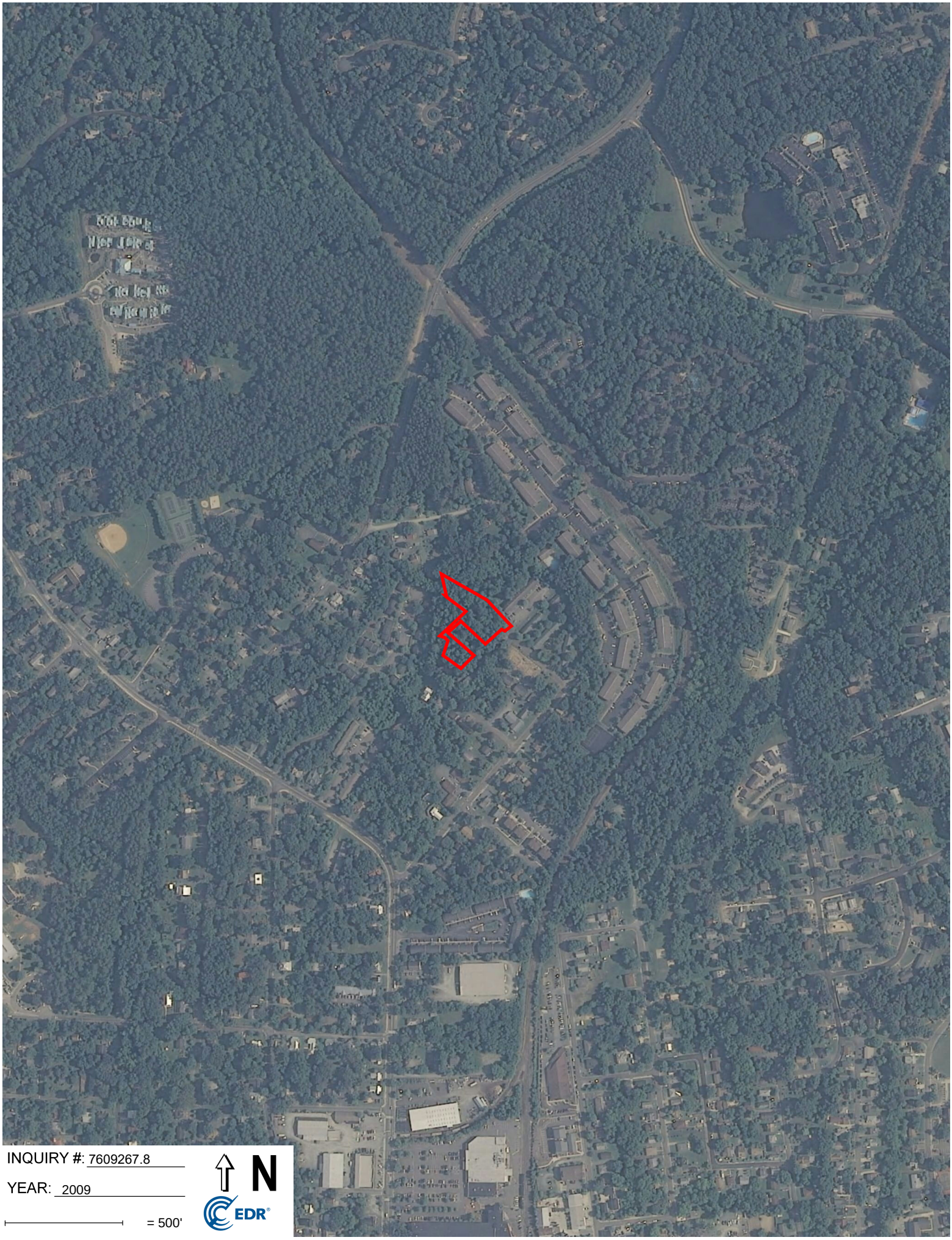
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INQUIRY #: 7609267.8
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2009
= 500'
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EDR


INQUIRY #: 7609267.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2002
= 500'
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EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7609267.8

YEAR: 1999

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1993

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


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= 500'
N
EDR



INQUIRY #: 7609267.8

YEAR: 1980

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7609267.8

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= 500'

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EDR


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EDR


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= 500'
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EDR



INQUIRY #: 7609267.8

YEAR: 1961

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1955

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1950

= 500'

N

EDR

Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.3

April 05, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.3

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 836A-4868-B439

PO # NA

Project Town of Carrboro Due Diligence

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 836A-4868-B439

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.4

April 05, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.4

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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Search Results:

P.O.# NA
Project: Town of Carrboro Due Diligenc

Coordinates:

Latitude:	35.918907 35° 55' 8" North
Longitude:	-79.071042 -79° 4' 16" West
UTM Zone:	Zone 17 North
UTM X Meters:	674040.55
UTM Y Meters:	3976673.16
Elevation:	421.08' above sea level

Maps Provided:

2022	1978
2019	1947
2016	1946
2013	
2002	
1993	
1981	
1980	

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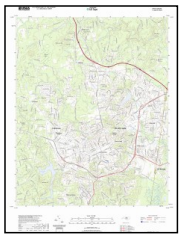
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Topo Sheet Key

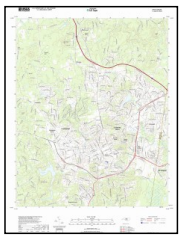
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



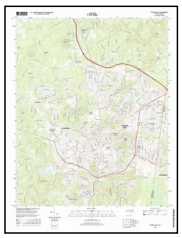
Chapel Hill
2022
7.5-minute, 24000

2019 Source Sheets



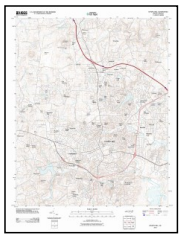
Chapel Hill
2019
7.5-minute, 24000

2016 Source Sheets



Chapel Hill
2016
7.5-minute, 24000

2013 Source Sheets



Chapel Hill
2013
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2002 Source Sheets



CHAPEL HILL
2002
7.5-minute, 24000

1993 Source Sheets



Chapel Hill
1993
7.5-minute, 24000
Aerial Photo Revised 1993

1981 Source Sheets



Chapel Hill
1981
7.5-minute, 24000
Aerial Photo Revised 1980

1980 Source Sheets



Chapel Hill
1980
7.5-minute, 24000
Aerial Photo Revised 1980

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1978 Source Sheets



Chapel Hill
1978
7.5-minute, 24000
Aerial Photo Revised 1972

1947 Source Sheets



Chapel Hill
1947
7.5-minute, 31680

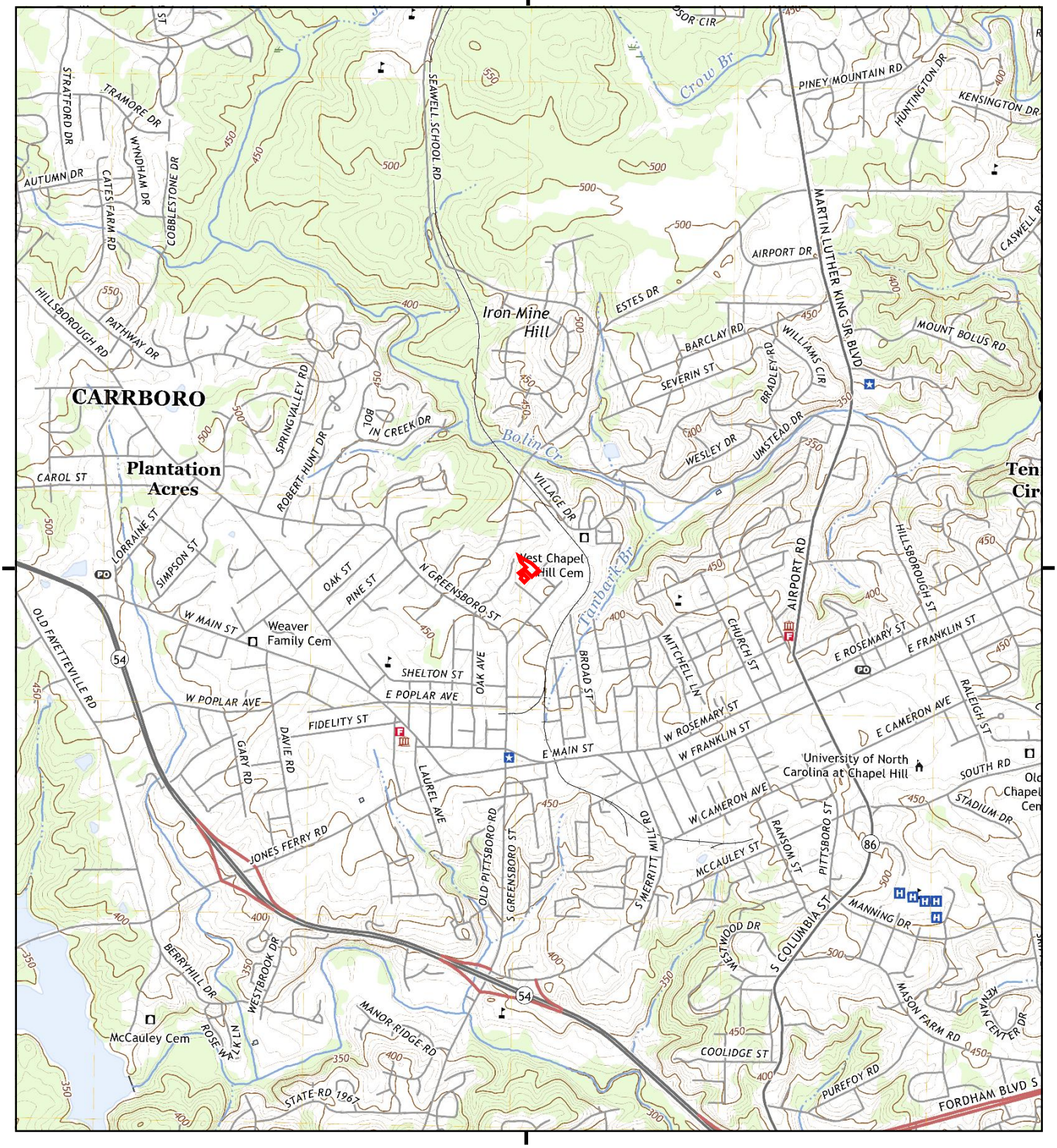
1946 Source Sheets



Chapel Hill
1946
7.5-minute, 24000

Historical Topo Map

2022



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

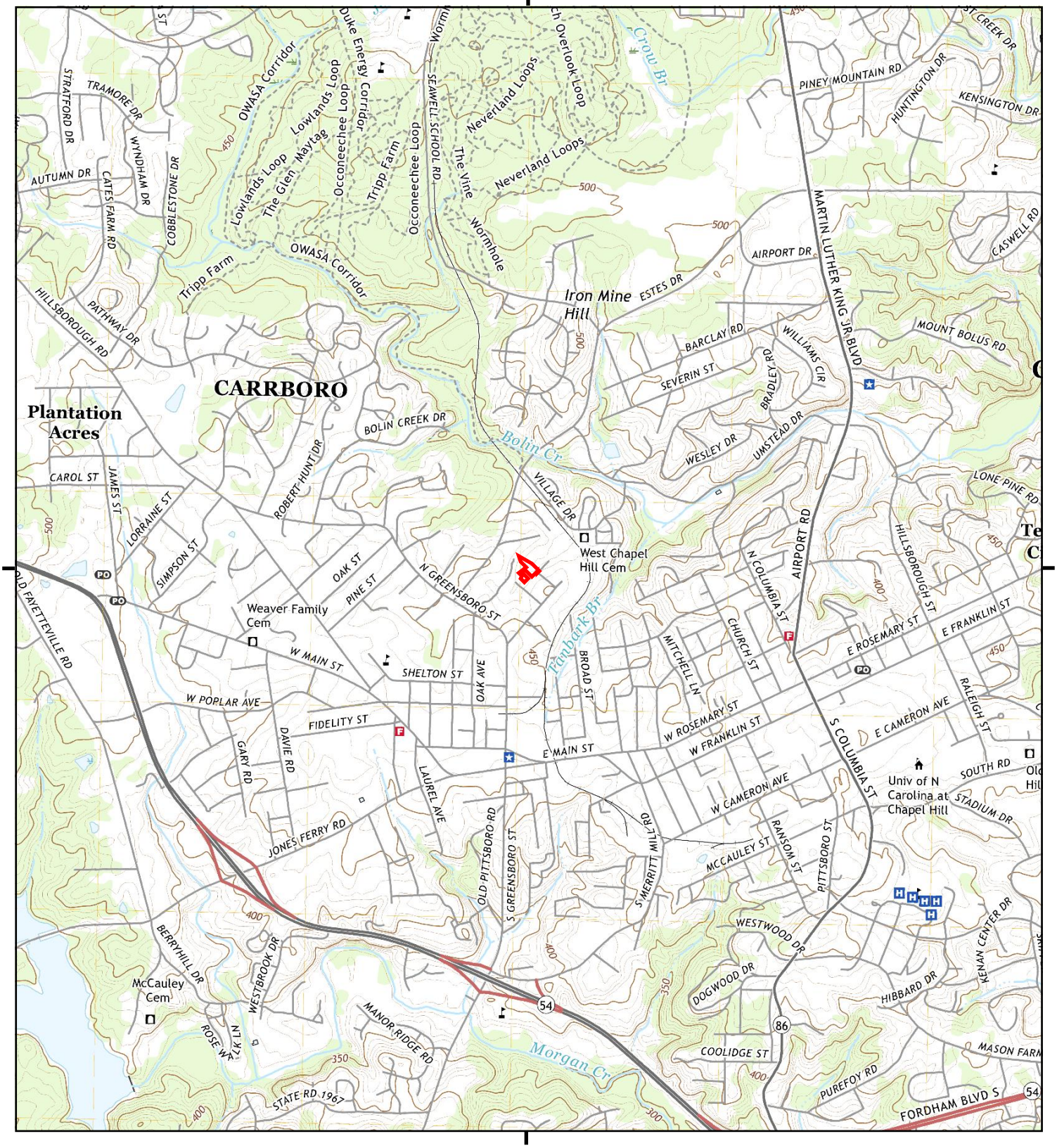
TP, Chapel Hill, 2022, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2019



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

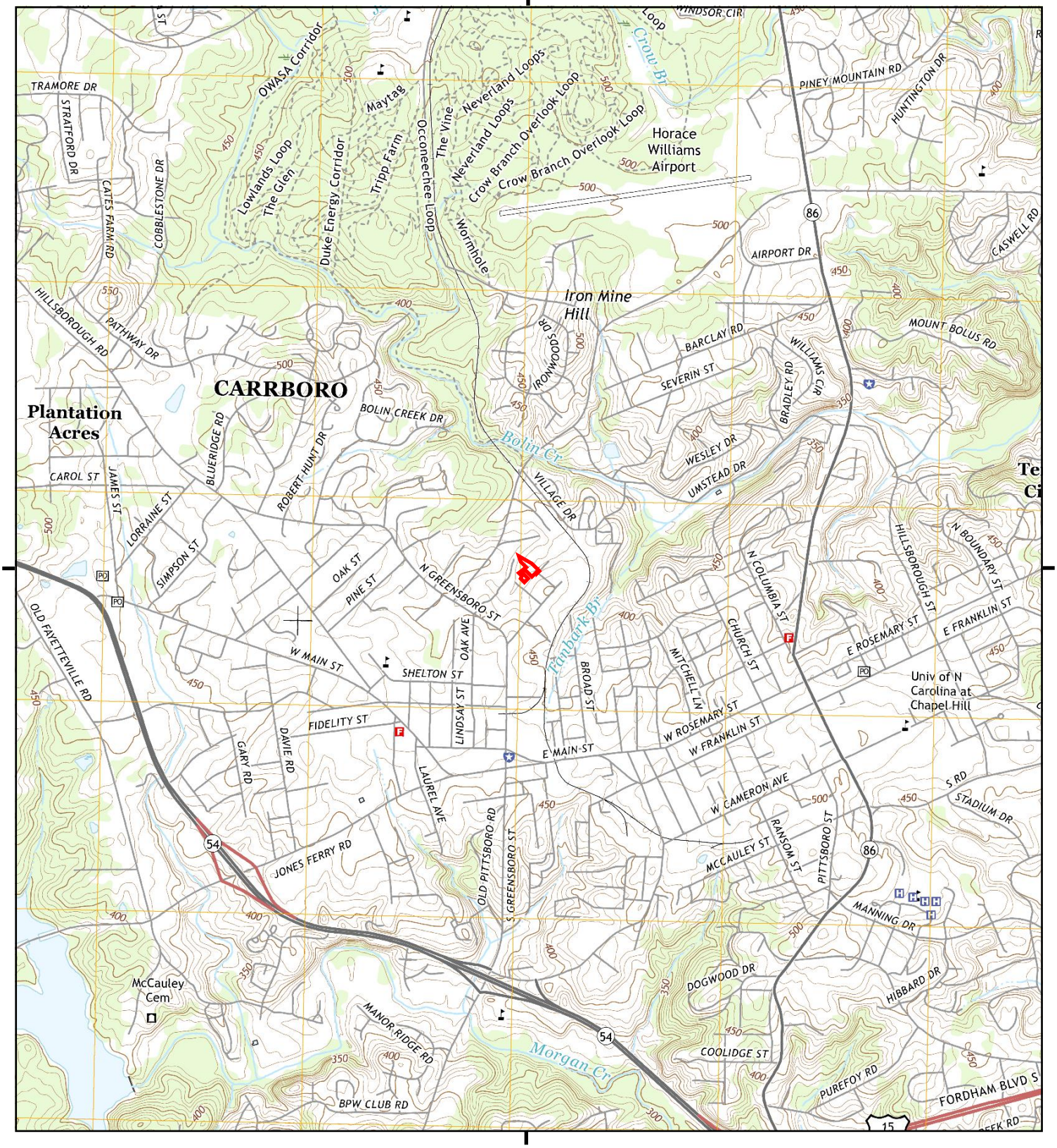
TP, Chapel Hill, 2019, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

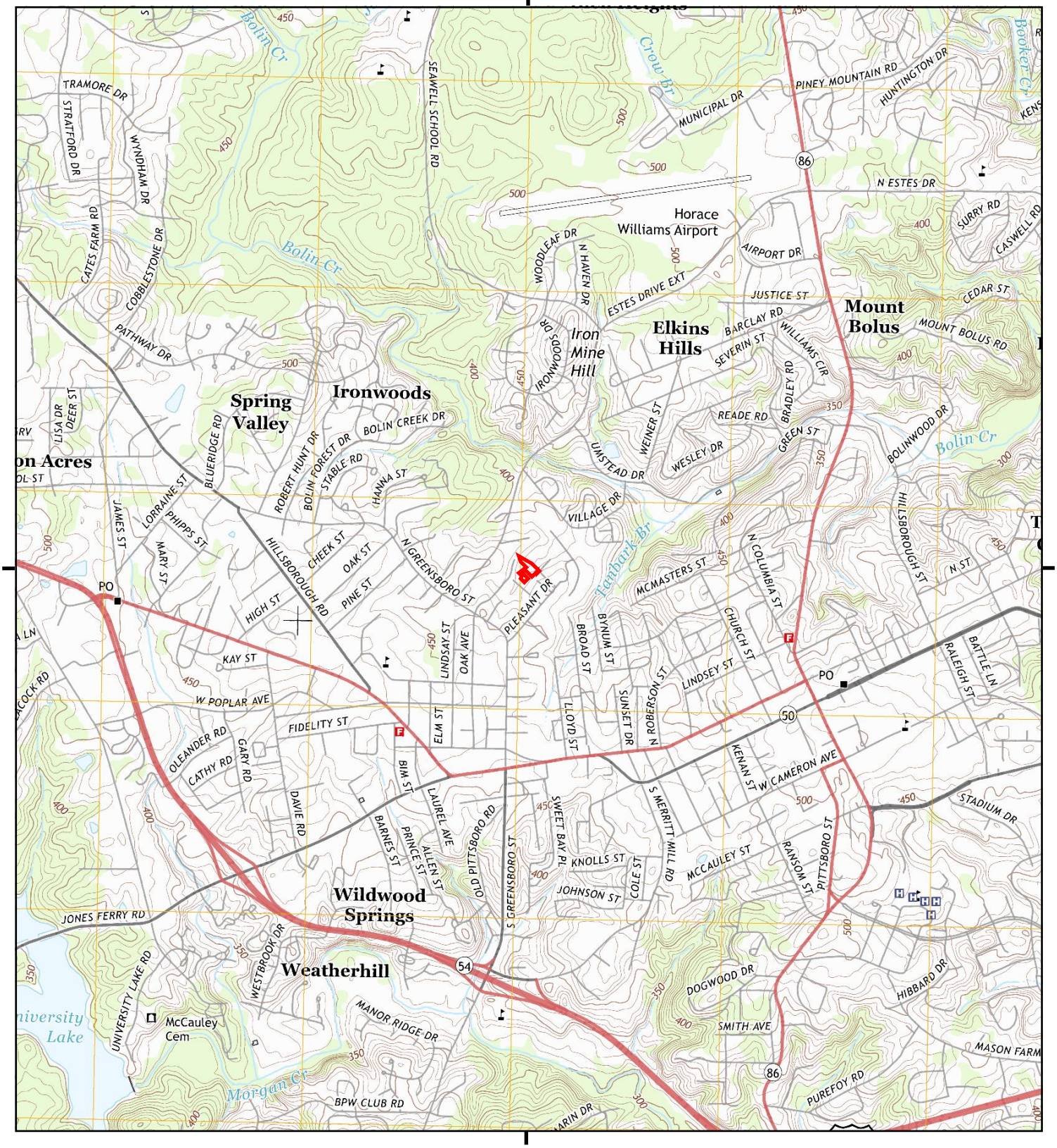
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NW N NE
W E
SW S SE

TP, Chapel Hill, 2016, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

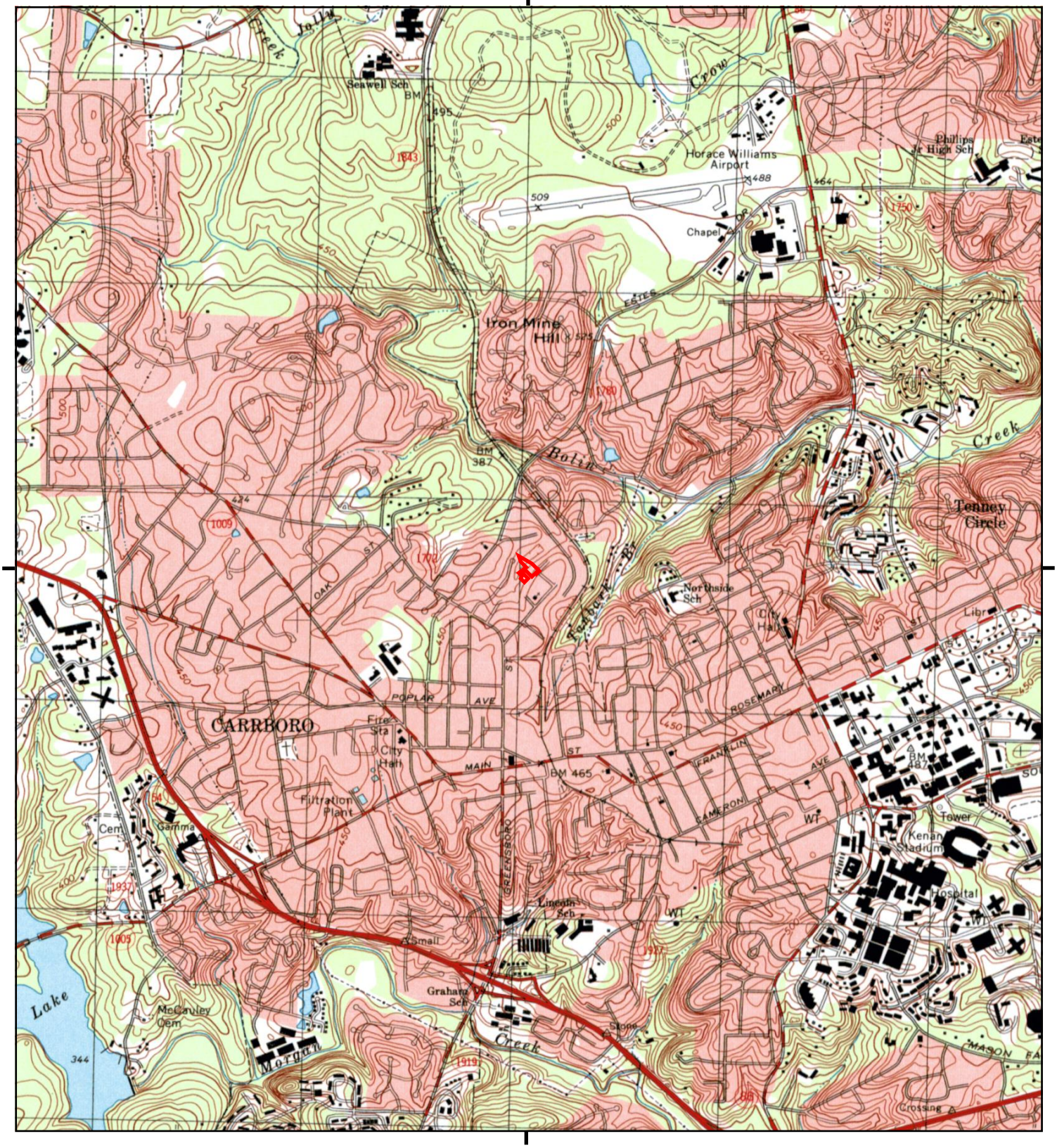
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 2013, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

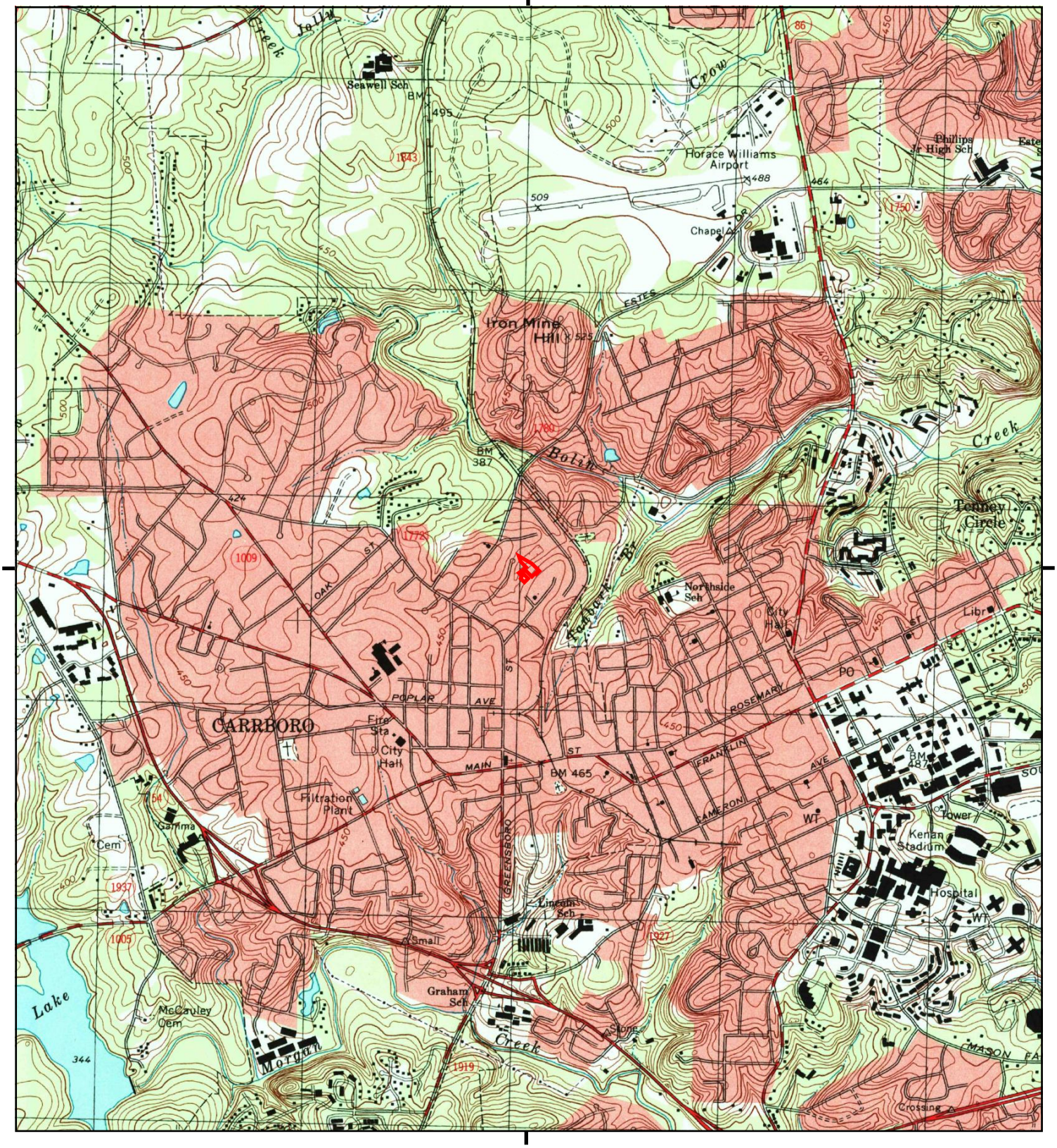
TP, CHAPEL HILL, 2002, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

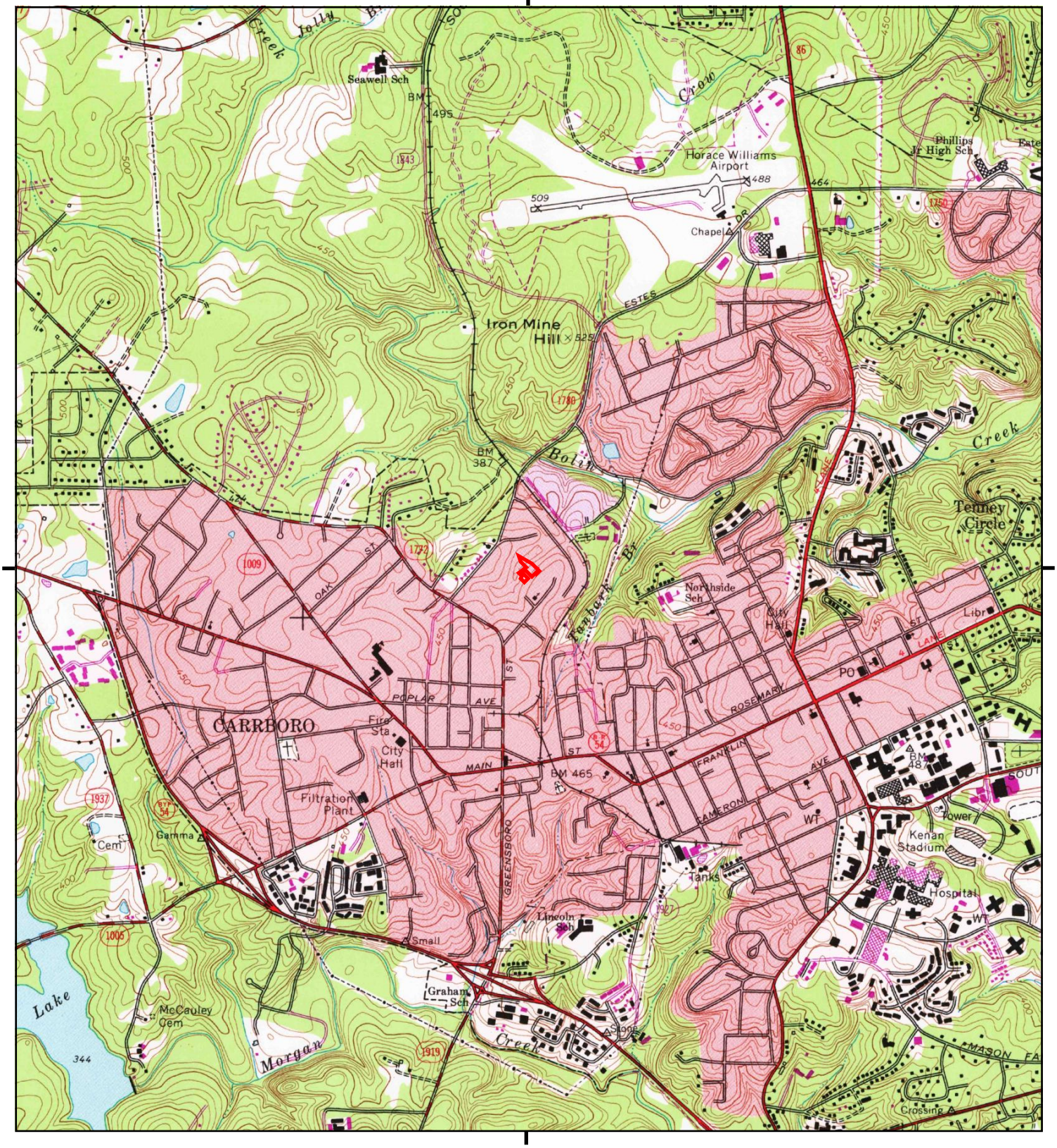
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1993, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

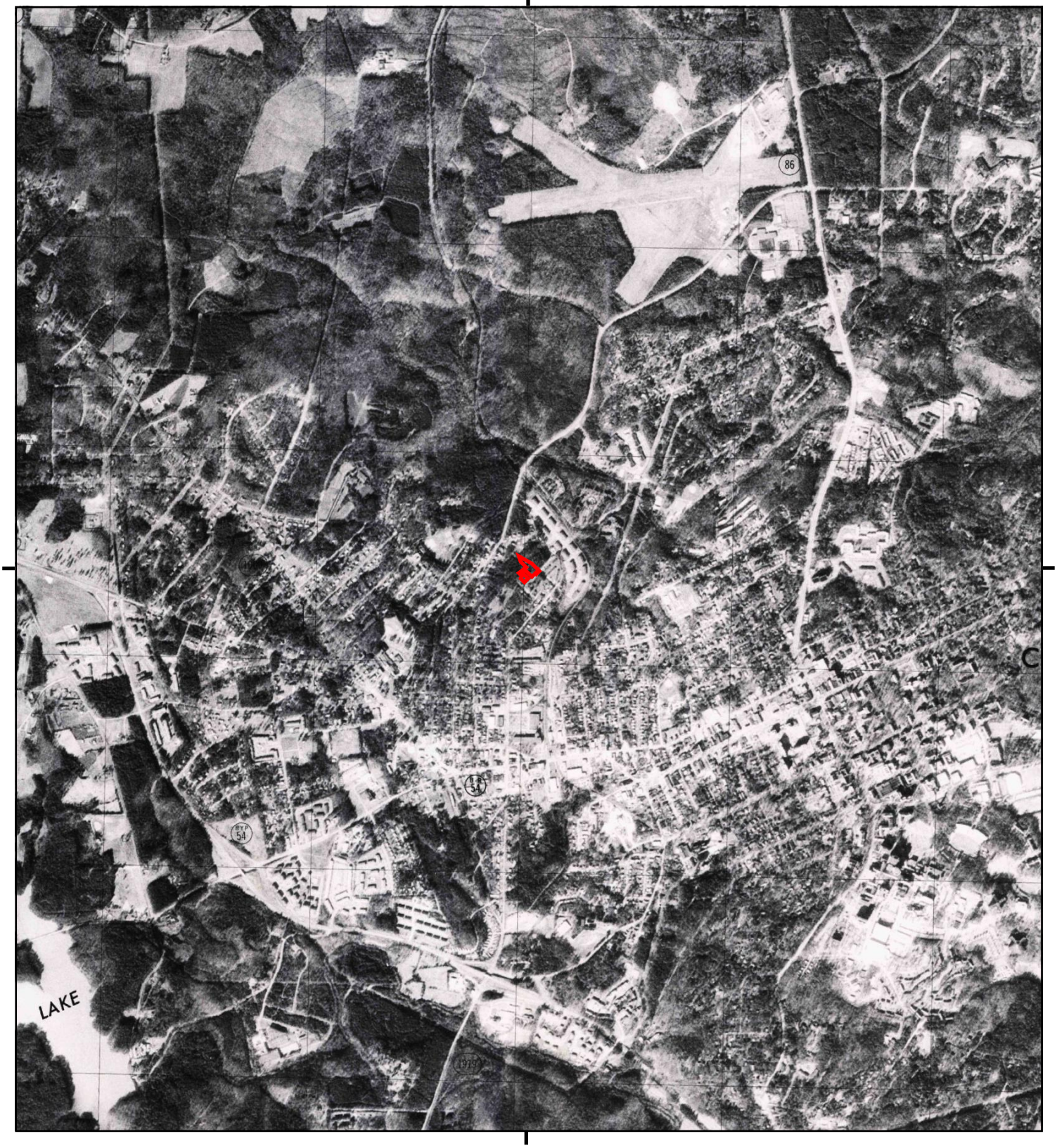
TP, Chapel Hill, 1981, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

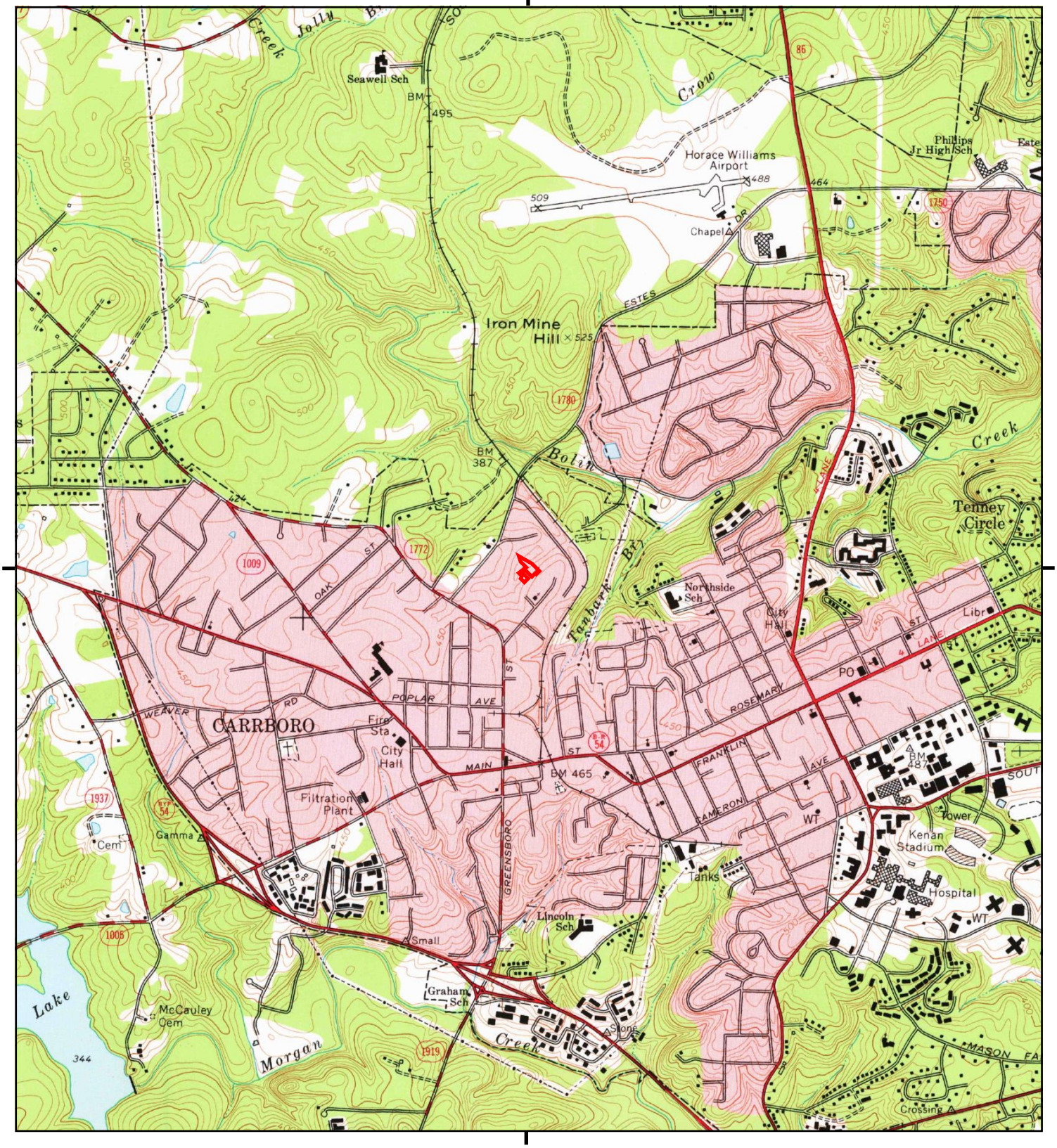
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1980, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

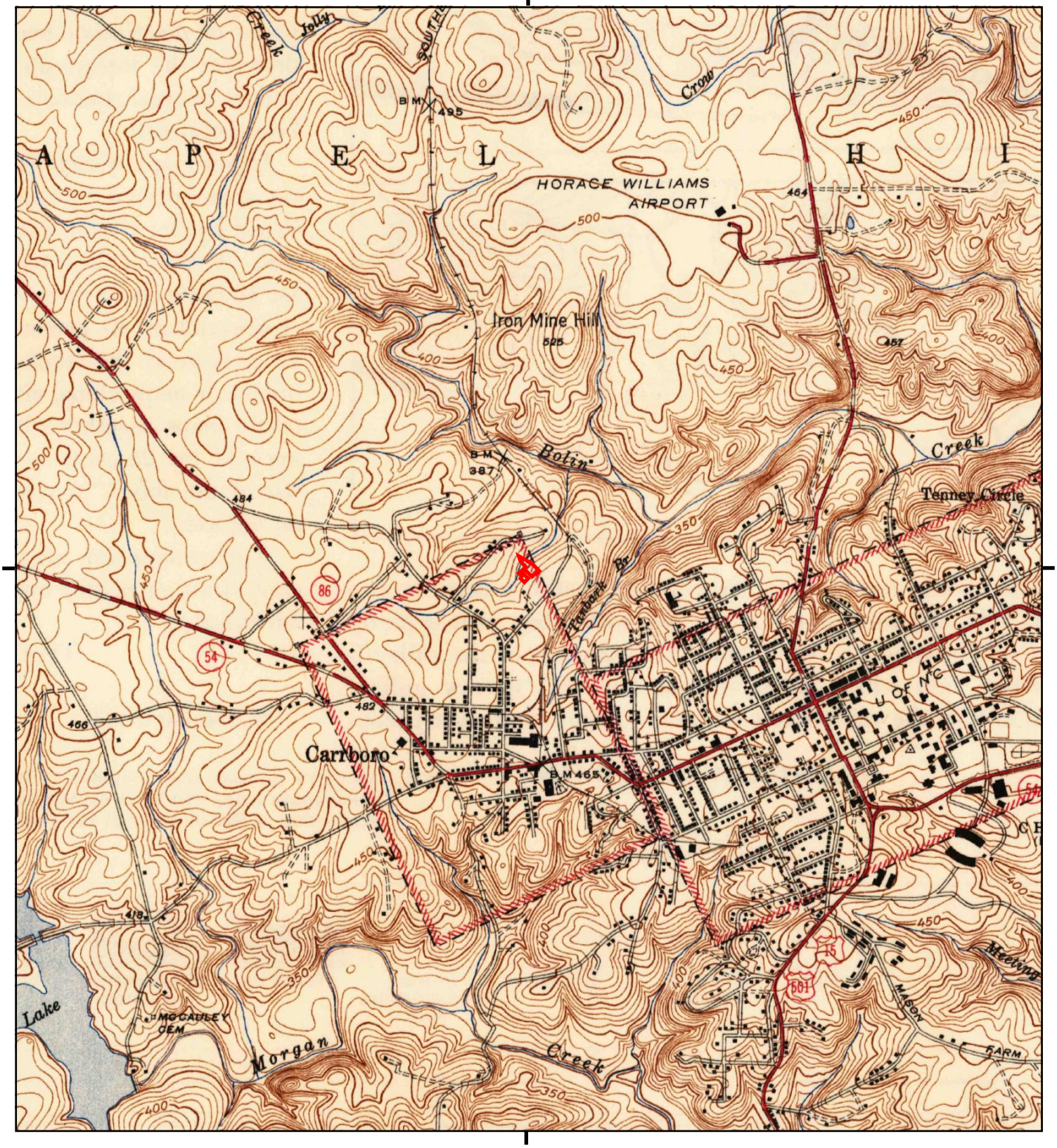
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1978, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

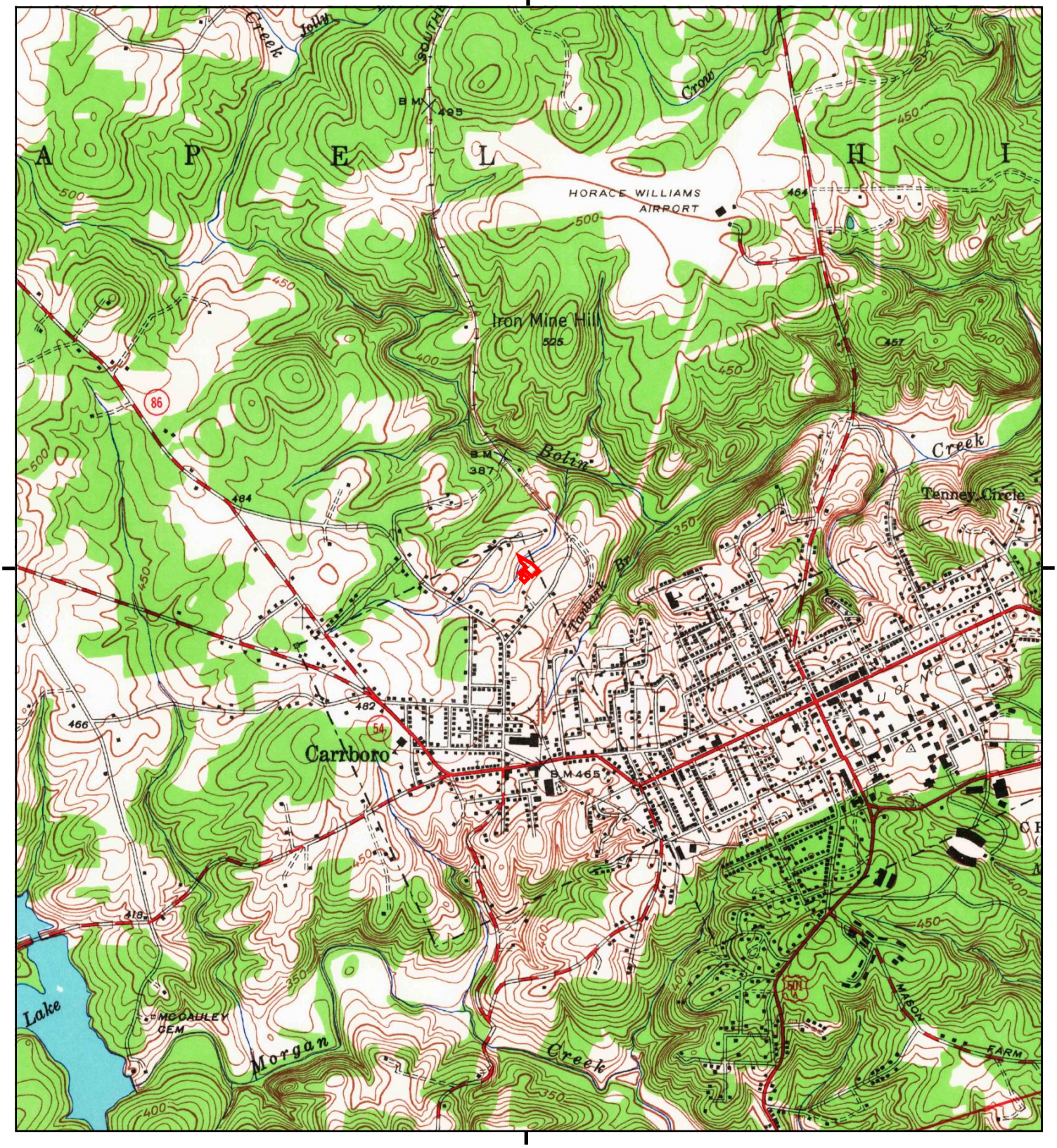
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1947, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1946, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Appendix D:

Regulatory Records

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.2s
March 28, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	87
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
Physical Setting Source Records Searched	PSGR-1

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9189070 - 35° 55' 8.06''
Longitude (West):	79.0710420 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ROGERS-THIEM INC		NC HSDS	Same	5228, 0.990, South
1	ROBERTSON PROPERTY U	124 ESTES DRIVE EXT	LUST, LUST TRUST	Higher	364, 0.069, WNW
A2	GLENN OIL BULK FUEL	103 MULBERRY STREET	LAST, IMD	Higher	664, 0.126, South
A3	SHERRY PROPERTY (STE	100 MULBERRY ST	LUST, LUST TRUST	Higher	670, 0.127, South
B4	WHITE, MARTHA - RESI	508 OAK AVENUE	LUST, LUST TRUST, IMD	Higher	1026, 0.194, SW
B5	OAK AVE SPILL	511 OAK AVE	LAST	Higher	1035, 0.196, SW
C6	WILTBERGER PROPERTY,	503 OAK AVE.	LUST, IMD	Higher	1322, 0.250, SW
C7	LISA CROUCHER PROPER	406 OAK AVENUE	LUST	Higher	1418, 0.269, SSW
8	KURALT, BRENDA RESID	110 WATTERS ROAD	LUST, LUST TRUST, IMD	Higher	1487, 0.282, WNW
D9	PENDERGRASS, CATHERI	401 LINDSAY STREET	LUST, LUST TRUST	Higher	1574, 0.298, SW
D10	PENDERGRASS, CATHERI	401 LINDSAY STREET	IMD	Higher	1574, 0.298, SW
11	LIEFF PROPERTY, SUSA	1200 N GREENSBORO ST	LUST, INST CONTROL	Higher	1740, 0.330, West
12	BURNETT PROPERTY (MA	714 GOMAIN STREET	LUST, LUST TRUST, INST CONTROL	Higher	1766, 0.334, SE
13	RODRIGUEZ GASOLINE R	202 SHELTON ST	LAST	Higher	1831, 0.347, SSW
E14	SOUTHERN STATES CARR	300 N. GREENSBORO ST	LUST, UST	Higher	2015, 0.382, South
E15	SOUTHERN STATES PROP	300 N. GREENSBORO ST	IMD	Higher	2015, 0.382, South
F16	PERRY PROPERTY, HOYT	103 PINE STREET	LUST, LUST TRUST, IMD	Higher	2048, 0.388, West
17	SELF HELP PROPERTY	605 CRAIG STREET	LUST, LUST TRUST, INST CONTROL	Higher	2051, 0.388, SE
F18	GREENSTREET PROPERTY	100 E. PINE STREET	LUST, LUST TRUST	Higher	2070, 0.392, West
E19	FITCH LUMBER COMPANY	309 N GREENSBORO STR	LUST, UST, IMD	Higher	2084, 0.395, South
E20	FITCH LUMBER COMPANY	309 N GREENSBORO STR	UST FINDER, UST FINDER RELEASE	Higher	2084, 0.395, South
F21	OAKLEY, LOUISE - PRO	105 PINE STREET	LUST, IMD, ASBESTOS	Higher	2132, 0.404, West
22	ONTJES PROPERTIES LL	205 LLOYD STREET	LUST, LUST TRUST, IMD	Higher	2235, 0.423, SSE
G23	NORRIS PROPERTY (GEO	114 ELM STREET	LUST, LUST TRUST, IMD	Higher	2433, 0.461, SW
H24	SECU*RE OAK PROPERTY	109 OAK STREET	LUST, INST CONTROL	Higher	2438, 0.462, West
I25	CARR MILL MALL	200 N GREENSBORO ST	SHWS	Higher	2464, 0.467, South
I26	CARR MILL MALL	200 NORTH GREENSBORO	IMD	Higher	2464, 0.467, South
27	BAKER PROPERTY, SUSA	110 PINE STREET	LUST, INST CONTROL	Higher	2475, 0.469, West
G28	HOGAN RESIDENCE	202 EAST POPLAR AVEN	LUST, LUST TRUST, IMD	Higher	2515, 0.476, SW
H29	PROVIDENCE PROPERTY	115 OAK STREET	LUST, LUST TRUST	Higher	2626, 0.497, West
30	NORTH MERRITT MILL R	N MERRITT MILL RD AN	SHWS	Higher	3565, 0.675, SSE
31	OWASA - NELLO TEER Q	HIGHWAY 54	SHWS, LAST, IMD	Higher	4522, 0.856, SW
32	UNC-COGENERATION FAC	575 W CAMERON AVE	SHWS, VCP	Higher	4690, 0.888, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---- RCRA - Large Quantity Generators
RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... List of Solid Waste Facilities
DEBRIS ..... Solid Waste Active Disaster Debris Sites Listing
OLI ..... Old Landfill Inventory
LCID ..... Land-Clearing and Inert Debris (LCID) Landfill Notifications

Lists of state and tribal leaking storage tanks

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Petroleum Underground Storage Tank Database
AST ..... AST Database
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ..... Responsible Party Voluntary Action Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ..... Recycling Center Listing
HIST LF ..... Solid Waste Facility Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
US CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills Incident Listing
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing

EXECUTIVE SUMMARY

PFAS WQP ---------- Ambient Environmental Sampling for PFAS
PFAS NPDES ---------- Clean Water Act Discharge Monitoring Information
PFAS ECHO ---------- Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING ---------- Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT ---------- All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC ---------- Aqueous Foam Related Incidents Listing
BIOSOLIDS ---------- ICIS-NPDES Biosolids Facility Data
PFAS ---------- PFAS Contamination Site Listing
AIRS ---------- Air Quality Permit Listing
ASBESTOS ---------- Asbestos Permits & Notifications Information
CCB ---------- Coal Ash Structural Fills (CCB) Listing
COAL ASH ---------- Coal Ash Disposal Sites
DRYCLEANERS ---------- Drycleaning Sites
Financial Assurance ---------- Financial Assurance Information Listing
NPDES ---------- NPDES Facility Location Listing
PCSRP ---------- Petroleum-Contaminated Soil Remediation Permits
SEPT HAULERS ---------- Permitted Septage Haulers Listing
UIC ---------- Underground Injection Wells Listing
AOP ---------- Animal Operation Permits Listing
UST FINDER ---------- UST Finder Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROGERS-THIEM INC		S 1/2 - 1 (0.990 mi.)	0	8

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 12/01/2023 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARR MILL MALL Facility Id: NONCD0001186	200 N GREENSBORO ST	S 1/4 - 1/2 (0.467 mi.)	I25	71
NORTH MERRITT MILL R Facility Id: NONCD0003091	N MERRITT MILL RD AN	SSE 1/2 - 1 (0.675 mi.)	30	81
OWASA - NELLO TEER Q Facility Id: NONCD0002247	***HIGHWAY 54***	***SW 1/2 - 1 (0.856 mi.)***	***31***	***82***
UNC-COGENERATION FAC Facility Id: NCR000010272	***575 W CAMERON AVE***	***SSE 1/2 - 1 (0.888 mi.)***	***32***	***85***

Lists of state and tribal leaking storage tanks

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 3 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Close Out: 11/16/2004 Incident Number: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***10***

Current Status: C				
OAK AVE SPILL Incident Number: 96636 Current Status: C	511 OAK AVE	SW 1/8 - 1/4 (0.196 mi.)	B5	18
RODRIGUEZ GASOLINE R Incident Number: 92168 Current Status: C	202 SHELTON ST	SSW 1/4 - 1/2 (0.347 mi.)	13	38

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 21 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Incident Phase: CO Incident Number: 39750 Current Status: File Located in House	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Incident Phase: CO Incident Number: 33663 Current Status: File Located in Archives	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***13***
WHITE, MARTHA - RESI Incident Number: 26119 Current Status: File Located in House	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
WILTBERGER PROPERTY, Incident Phase: CO Incident Number: 26900 Current Status: File Located in Archives	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***20***
LISA CROUCHER PROPER Incident Phase: CO Incident Number: 48454 Current Status: File Located in House	406 OAK AVENUE	SSW 1/4 - 1/2 (0.269 mi.)	C7	23
KURALT, BRENDA RESID Incident Phase: CO Incident Number: 26766 Current Status: File Located in Archives	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Incident Phase: CO Incident Number: 33016 Current Status: File Located in Archives	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***30***
LIEFF PROPERTY, SUSA Incident Phase: CO Incident Number: 46130 Current Status: File Located in House	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***34***
BURNETT PROPERTY (MA Incident Phase: CO	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***

Incident Number: 33418
Current Status: File Located in Archives

SOUTHERN STATES CARR	***300 N. GREENSBORO ST***	***S 1/4 - 1/2 (0.382 mi.)***	***E14***	***40***
Incident Phase: CO Incident Number: 26457 Current Status: File Located in Archives				
PERRY PROPERTY, HOYT	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
Incident Phase: RE Incident Number: 20571 Current Status: File Located in House				
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
Incident Phase: CO Incident Number: 39584 Current Status: File Located in House				
GREENSTREET PROPERTY	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***51***
Incident Phase: CO Incident Number: 39371 Current Status: File Located in House				
FITCH LUMBER COMPANY	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***52***
Incident Phase: CO Incident Number: 10287 Current Status: File Located in Archives				
OAKLEY, LOUISE - PRO	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***58***
Incident Phase: CO Incident Number: 26074 Current Status: File Located in Archives				
ONTJES PROPERTIES LL	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
Incident Phase: CO Incident Number: 20431 Current Status: File Located in Archives				
NORRIS PROPERTY (GEO	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
Incident Phase: CO Incident Number: 33029 Current Status: File Located in Archives				
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***69***
Incident Phase: CO Incident Number: 46205 Current Status: File Located in House				
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***74***
Incident Phase: CO Incident Number: 46218 Current Status: File Located in House				
HOGAN RESIDENCE	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***
Incident Phase: CO Incident Number: 16584 Current Status: File Located in Archives				
PROVIDENCE PROPERTY	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***79***
Incident Phase: CO Incident Number: 39799 Current Status: File Located in House				

EXECUTIVE SUMMARY

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 13 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Site ID: 39750	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Site ID: 33663	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***13***
WHITE, MARTHA - RESI Site ID: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
KURALT, BRENDA RESID Site ID: 26683	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Site ID: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***30***
BURNETT PROPERTY (MA Site ID: 33418	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***
PERRY PROPERTY, HOYT Site ID: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
SELF HELP PROPERTY Site ID: 39584	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
GREENSTREET PROPERTY Site ID: 39371	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***51***
ONTJES PROPERTIES LL Site ID: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
NORRIS PROPERTY (GEO Site ID: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
HOGAN RESIDENCE Site ID: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***
PROVIDENCE PROPERTY Site ID: 39799	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***79***

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring.

A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 5 INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***34***
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***69***
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***74***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there are 13 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Facility Id: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***10***
WHITE, MARTHA - RESI Facility Id: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
WILTBERGER PROPERTY, Facility Id: 26900	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***20***
KURALT, BRENDA RESID Facility Id: 26683 Facility Id: 26766	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Facility Id: 33016	401 LINDSAY STREET	SW 1/4 - 1/2 (0.298 mi.)	D10	32
SOUTHERN STATES PROP Facility Id: 26457	300 N. GREENSBORO ST	S 1/4 - 1/2 (0.382 mi.)	E15	43
PERRY PROPERTY, HOYT Facility Id: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
FITCH LUMBER COMPANY Facility Id: 10287	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***52***
OAKLEY, LOUISE - PRO Facility Id: 26074	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***58***
ONTJES PROPERTIES LL Facility Id: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
NORRIS PROPERTY (GEO Facility Id: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
CARR MILL MALL Facility Id: 86525	200 NORTH GREENSBORO	S 1/4 - 1/2 (0.467 mi.)	I26	72
HOGAN RESIDENCE Facility Id: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***

Other Ascertainable Records

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that

there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the target property.

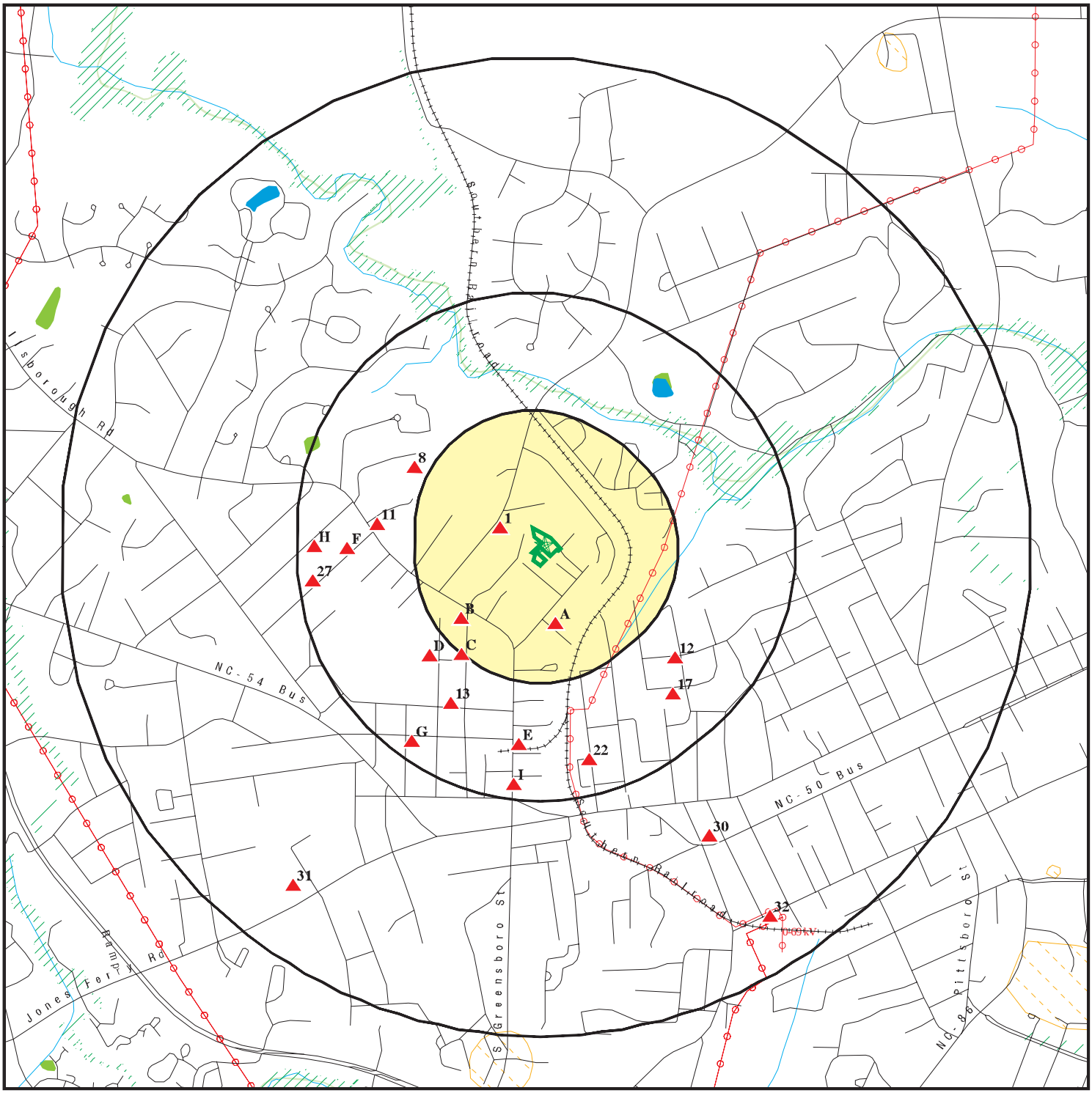
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FITCH LUMBER COMPANY	*309 N GREENSBORO STR*	*S 1/4 - 1/2 (0.395 mi.)*	*E20*	*57*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
ROCKY BROOK WASHERETTE	DRYCLEANERS
ORANGE COUNTY WALNUT GROVE HHW	SWF/LF
KAST PROPERTY, CHARLES	LUST
AMOCO #2281	LUST TRUST
CHAPEL HILL LANDFILL	OLI

OVERVIEW MAP - 7609267.2S



0 1/4 1/2 1 Miles

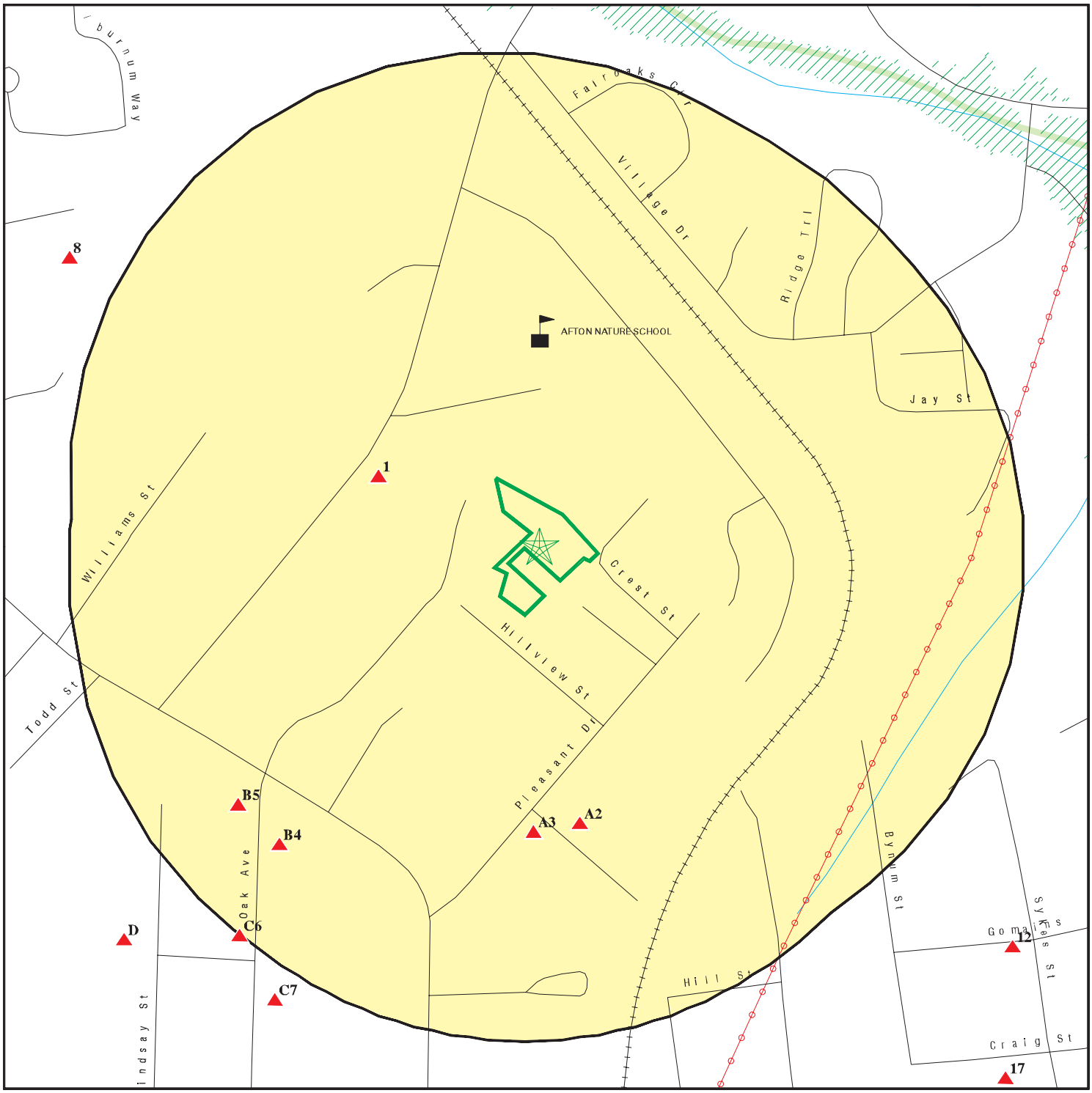
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Town of Carrboro Crest Street ADDRESS: Not Reported Carrboro NC 27510 LAT/LONG: 35.918907 / 79.071042	CLIENT: Summit Design & Engineering Services CONTACT: Aaron Gross INQUIRY #: 7609267.2s DATE: March 28, 2024 7:45 pm

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DETAIL MAP - 7609267.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	1	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	2	1	NR	NR	3
LUST	0.500		1	2	18	NR	NR	21
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		1	2	10	NR	NR	13
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	5	NR	NR	5
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	2	11	NR	NR	13
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	1	NR	NR	1
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	8	47	4	0	61

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

HSDS
Region South
1/2-1
5228 ft.

ROGERS-THIEM INC
, NC

NC HSDS **S102442343**
N/A

HSDS:

Name:	ROGERS-THIEM INC
Address:	Not reported
City:	Not reported
Site Type:	1
Superfun Number:	Not reported
Total area in coverage units:	37146.546875
Total perimeter in coverage units:	689.66589355
X-value coordinate in feet:	1978394.5
Y-value coordinate in feet:	783564.25
Sites designated as superfund cleanup sites:	250
Length of feature in internal units:	689.665905773
Area of feature in internal units squared:	37146.5455937

1
WNW
< 1/8
0.069 mi.
364 ft.

ROBERTSON PROPERTY UST
124 ESTES DRIVE EXT
CARRBORO, NC 27510

LUST **S118128382**
LUST TRUST **N/A**

Relative:
Higher

Actual:
442 ft.

LUST:

Name:	ROBERTSON PROPERTY UST
Address:	124 ESTES DRIVE EXT
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-7641
Incident Number:	39750
Source Type:	7
Date Reported:	05/26/2015
Closure Request:	Not reported
Close Out:	09/23/2015
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0

ROBERTSON PROPERTY UST (Continued) **S118128382**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	True
Testlat:	Not reported
Regional Officer Project Mgr:	CCW
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7641
Facility Id:	39750
Date Occurred:	2015-03-24 00:00:00
Date Reported:	2015-05-26 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	6
Source:	G
UST Number:	P

LUST:

Incident Number:	39750
Last Modified:	9/23/2015
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	ROBERTSON PROPERTY UST
Address:	124 ESTES DRIVE EXT
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39750
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then

ROBERTSON PROPERTY UST (Continued) **S118128382**

reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 11/17/15]

Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

A2 **GLENN OIL BULK FUEL FACILITY (** **LAST** **S104157092**
South **103 MULBERRY STREET** **IMD** **N/A**
1/8-1/4 **CARRBORO, NC**
0.126 mi.
664 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
446 ft.

LAST:

Name:	GLENN OIL BULK FUEL FACILITY (SEE COMMENTS)	
Address:	103 MULBERRY STREET	
City,State,Zip:	CARRBORO, NC	
Facility ID:	Not reported	
UST Number:	RA-20705	
Incident Number:	20705	
Contamination Type:		GW
Source Type:	14	
Product Type:	N	
Date Reported:	06/24/1998	
Date Occur:	06/24/1998	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	11/16/2004	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		Not reported
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		Not reported
Risk Classification:		Not reported
Risk Class Based On Review:		L
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	25	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Not reported	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	Not reported	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

Error Code:	Not reported
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	35.91631 -79.07013
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	Not reported
Contact Person:	K. ROBERTSON/MARY GLENN
Telephone:	Not reported
RP Address:	124 ESTES DRIVE
RP City,St,Zip:	CARRBORO, NC
RP County:	Not reported
Comments:	ASSESSMENT SAYS SOIL AND GW DIESEL IMPACTSPROPERTY IS NOW IS A LARGE, ABANDONED LOT ADJACENT TO A SMALLER RESIDENTIAL LOT THAT HAS THE SAME STREET ADDRESS AS THE FORMER GLENN OIL FACILITY.(6-24-03)Closed File- Sent to State Records Center 11/12/04 Box 4 of 7 Item #25681
5 Min Quad:	Not reported

PIRF:

Facility Id:	20705
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	5
Operation Type:	8
Type:	Not reported
Location:	Not reported
Site Priority:	25E
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	0
Samples Taken By:	Not reported
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Cause:	Not reported
Source:	Not reported
Source Type:	0
Last Modified:	11/16/2004
Incident Phase:	**CO**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	6/26/2000

IMD:

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

Facility ID:	20705
Name:	GLENN OIL BULK FUEL FACILITY (
Address:	103 MULBERRY STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	6/24/1998
Submit Date:	10/20/1999
Incident Desc:	ASSESSMENT SAYS SOIL AND GW DIESEL IMPACTS PROPERTY IS NOW IS A LARGE, ABANDONED LOT ADJACENT TO A SMALLER RESIDENTIAL LOT THAT HAS THE SAME STREET ADDRESS AS T
Operator:	ROBERTSON/MARY GLENN, K.
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	8
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Not reported
Responsible Party County:	Not reported
Source:	Dredge Spoil
Type:	GASOLINE/DIESEL
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	919-832-2535
Owner Company:	Not reported
Operator Address:	124 ESTES DRIVE
Operator City,State,Zip:	CARRBORO, NC 919-832-2535
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	E
Dem Contact:	ERIC RICE
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	GPS
Agency:	DWQ

A3 **SHERRY PROPERTY (STEVEN)** **LUST** **S109836876**
South **100 MULBERRY ST** **LUST TRUST** **N/A**
1/8-1/4 **CARRBORO, NC 27510**
0.127 mi.
670 ft. **Site 2 of 2 in cluster A**

Relative: LUST:
Higher

Name:	SHERRY PROPERTY (STEVEN)
Address:	100 MULBERRY ST
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-6122
Incident Number:	33663
Source Type:	3
Date Reported:	05/19/2009
Closure Request:	Not reported
Close Out:	06/23/2009
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported

Actual:
449 ft.

SHERRY PROPERTY (STEVEN) (Continued) **S109836876**

Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	90
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	DMD
Company:	Not reported
Telephone:	9199333627
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-6122
Facility Id:	33663
Date Occurred:	2009-05-18 00:00:00
Date Reported:	2009-05-19 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	33663
Last Modified:	6/23/2009
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported

SHERRY PROPERTY (STEVEN) (Continued) **S109836876**

45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	SHERRY PROPERTY (STEVEN)
Address:	100 MULBERRY ST
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33663
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 8/26/09]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

B4 **WHITE, MARTHA - RESIDENCE** **LUST** **S105707186**
SW **508 OAK AVENUE** **LUST TRUST** **N/A**
1/8-1/4 **CARRBORO, NC 27510** **IMD**
0.194 mi.
1026 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
455 ft.

LUST:

Name:	WHITE, MARTHA - RESIDENCE
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-4277
Incident Number:	26119
Source Type:	3
Date Reported:	11/12/2002
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	MARTHA WHITE
Telephone:	9199425638
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4277
Facility Id:	26119
Date Occurred:	2002-11-20 00:00:00
Date Reported:	2002-12-12 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST TRUST:

Name:	WHITE PROPERTY
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	26119
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

IMD:

Facility ID:	26119
Name:	WHITE, MARTHA - RESIDENCE
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC
Date Occurred:	11/20/2002
Submit Date:	12/12/2002
Incident Desc:	550-gallon heating oil UST closed 11/05/2002. 12/18/2002, JFM ///
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91638888
Longitude:	-79.07416666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9199425638
Owner Company:	MARTHA WHITE
Operator Address:	508 OAK AVENUE
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355459
Longitude Number:	790427
Latitude Decimal:	35.9163888888889
Longitude Decimal:	79.0741666666667
GPS:	7
Agency:	DWM

B5 **OAK AVE SPILL** **LAST** **S128647293**
SW **511 OAK AVE** **N/A**
1/8-1/4 **CARRBORO, NC 27510**
0.196 mi.
1035 ft. **Site 2 of 2 in cluster B**

Relative: LAST:
Higher

Actual:
451 ft.

Name:	OAK AVE SPILL	
Address:	511 OAK AVE	
City,State,Zip:	CARRBORO, NC 27510	
Facility ID:	Not reported	
UST Number:	RA-92951	
Incident Number:	96636	
Contamination Type:		SL
Source Type:	21	
Product Type:	P	
Date Reported:	02/10/2022	
Date Occur:	01/25/2022	
Cleanup:	01/25/2022	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		N
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		N

OAK AVE SPILL (Continued) **S128647293**

Risk Classification:		H
Risk Class Based On Review:		H
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	RES	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	Not reported	
LUR Filed:	Not reported	
Release Detection:	Not reported	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	3	
RPL:	True	
CD Num:	Not reported	
Reel Num:	Not reported	
RPOW:	True	
RPOP:	True	
Error Flag:	Not reported	
Error Code:	N	
Valid:	False	
Lat/Long:	Not reported	
Lat/Long Decimal:	35.91667 -79.07432	
Testlat:	Not reported	
Regional Officer Project Mgr:		JFM
Region:		RAL
Company:		Not reported
Contact Person:		Kelvin Hargraves and Katye
Telephone:		9195932546
RP Address:		511 Oak Ave Spill
RP City,St,Zip:		CARRBORO, NC 27510
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	96636
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	CFRD Incident Report.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	3
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	Not reported
Samples Taken By:	N
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported

OAK AVE SPILL (Continued) **S128647293**

Pirf/Min Soil:	Not reported
Release Code:	4
Cause:	4
Source:	A
Source Type:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C6 **WILTBERGER PROPERTY, TOM** **LUST S107031815**
SW **503 OAK AVE.** **IMD N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.250 mi.
1322 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**
Actual: **467 ft.**

LUST:

Name:	WILTBERGER PROPERTY, TOM
Address:	503 OAK AVE.
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5358
Incident Number:	26900
Source Type:	3
Date Reported:	05/20/2005
Closure Request:	Not reported
Close Out:	10/14/2005
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	90
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	347

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Reel Num:	308
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Company:	TOM WILTBERGER
Telephone:	9199292005
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5358
Facility Id:	26900
Date Occurred:	2005-04-06 00:00:00
Date Reported:	2005-05-20 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	u
Samples Include:	Not reported
7#5 Minute Quad:	0
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	26900
Last Modified:	10/14/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

Facility ID:	26900
Name:	WILTBERGER PROPERTY, TOM
Address:	503 OAK AVE.
City,State,Zip:	CARRBORO, NC
Date Occurred:	4/6/2005

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Submit Date:	5/20/2005
Incident Desc:	heating oil release; NO SOIL SAMPLES OR CONTAM SOILS REMOVED;
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	0
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91555555
Longitude:	-79.07416666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9199292005
Owner Company:	TOM WILTBERGER
Operator Address:	503 OAK AVE.
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MRP
Wells Contam:	Not reported
Latitude Number:	355456
Longitude Number:	790427
Latitude Decimal:	35.9155555555556
Longitude Decimal:	79.0741666666667
GPS:	6
Agency:	DWM

Status:

Facility ID:	26900
Last Modified:	2005-10-14 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C7 **LISA CROUCHER PROPERTY** **LUST** **S128894821**
SSW **406 OAK AVENUE** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.269 mi.
1418 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
472 ft.

LUST:

Name:	LISA CROUCHER PROPERTY
Address:	406 OAK AVENUE
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-29287
Incident Number:	48454
Source Type:	7
Date Reported:	05/20/2022

LISA CROUCHER PROPERTY (Continued) **S128894821**

Closure Request:	Not reported
Close Out:	08/30/2022
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	Not reported
LUR Filed:	05/23/2022
GPS Confirmed:	99
Current Status:	C
RBCA GW:	N
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	Not reported
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	PMM
Company:	Lisa Croucher
Telephone:	9193577946
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	Not reported
Facility Id:	48454
Date Occurred:	2022-04-28 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	4
Cause:	7
Source:	G

LISA CROUCHER PROPERTY (Continued) **S128894821**

UST Number: 2

LUST:
Incident Number: 48454
Last Modified: 8/30/2022
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

8
WNW
1/4-1/2
0.282 mi.
1487 ft.

KURALT, BRENDA RESIDENCE **LUST** **S106520701**
110 WATTERS ROAD **LUST TRUST** **N/A**
CARRBORO, NC 27510 **IMD**

Relative:
Higher

Actual:
451 ft.

LUST:
Name: KURALT, BRENDA RESIDENCE
Address: 110 WATTERS ROAD
City,State,Zip: CARRBORO, NC 27510-
Facility ID: Not reported
UST Number: RA-5218
Incident Number: 26766
Source Type: 3
Date Reported: 07/23/2004
Closure Request: Not reported
Close Out: 01/25/2005
Level Of Soil Cleanup Achieved: S3
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: RES
MTBE: 0
MTBE1: U
Flag: 0
Flag1: 0
LUR Filed: Not reported
GPS Confirmed: 99
Current Status: A
RBCA GW: G1
PETOPT: 4
RPL: False
CD Num: 263
Reel Num: 39

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	BRENDA KURALT
Telephone:	2394632470
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5218
Facility Id:	26766
Date Occurred:	2004-10-04 00:00:00
Date Reported:	2004-11-05 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	U
Samples Include:	Not reported
7#5 Minute Quad:	5
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26766
Last Modified:	1/25/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	KURALT PROPERTY, BRENDA
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	26683
Site Note:	noncommercial. 100% eligible. 0 deductible.

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

IMD:

Facility ID:	26683
Name:	KURALT PROPERTY, BRENDA
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Date Occurred:	7/22/2004
Submit Date:	7/23/2004
Incident Desc:	HEATING OIL RELEASE
Operator:	8701 ESTERO BOULEVARD
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	BRENDA KURALT
Operator Address:	#1206 THE GRANT VIEW
Operator City,State,Zip:	FT. MEYERS, FL 33931-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM
Facility ID:	26766
Name:	KURALT, BRENDA RESIDENCE
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Date Occurred:	10/4/2004
Submit Date:	11/5/2004
Incident Desc:	HEATING OIL RELEASE; 500 G UST; 47 TONS CONTAM SOILS REMOVED;
Operator:	8701 ESTERO BLVD
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	5
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.92166666
Longitude:	-79.075
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	2394632470
Owner Company:	BRENDA KURALT
Operator Address:	THE GRANT VIEW, APT #1206
Operator City,State,Zip:	FT. MYERS BEACH, FL 33931-
Operator County:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355518
Longitude Number:	790430
Latitude Decimal:	35.9216666666667
Longitude Decimal:	79.075
GPS:	7
Agency:	DWM

Status:

Facility ID:	26766
Last Modified:	2005-01-25 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

D9 **PENDERGRASS, CATHERINE PROPERTY** **LUST** **S107562969**
SW **401 LINDSAY STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.298 mi.
1574 ft. **Site 1 of 2 in cluster D**

Relative: Higher
Actual: 459 ft.

LUST:

Name:	PENDERGRASS, CATHERINE PROPERTY
Address:	401 LINDSAY STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5474
Incident Number:	33016
Source Type:	3
Date Reported:	02/23/2006
Closure Request:	Not reported
Close Out:	05/19/2006
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported

PENDERGRASS, CATHERINE PROPERTY (Continued) **S107562969**

Land Use:	RES
MTBE:	0
MTBE1:	Y
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	345
Reel Num:	306
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9199290216
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5474
Facility Id:	33016
Date Occurred:	2006-02-21 00:00:00
Date Reported:	2006-02-23 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	n
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33016
Last Modified:	5/19/2006
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported

PENDERGRASS, CATHERINE PROPERTY (Continued) **S107562969**

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Name: PENDERGRASS, CATHERINE PROPERTY
Address: 401 LINDSAY STREET
City,State,Zip: CARRBORO, NC
Facility ID: Not reported
Site ID: 33016
Site Note: Noncommercial. 100% eligible. 0 deductible.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

D10
SW
1/4-1/2
0.298 mi.
1574 ft.

PENDERGRASS, CATHERINE PROPERT **IMD** **S107671982**
401 LINDSAY STREET **N/A**
CARRBORO, NC

Site 2 of 2 in cluster D

Relative: Higher
Actual: 459 ft.

IMD:
Facility ID: 33016
Name: PENDERGRASS, CATHERINE PROPERT
Address: 401 LINDSAY STREET
City,State,Zip: CARRBORO, NC
Date Occurred: 2/21/2006
Submit Date: 2/23/2006
Incident Desc: Not reported
Operator: CATHERINE PENDERGRASS
UST ID: Not reported
Incident ID: Not reported
Initials of UST Regional Contact: Not reported
Regional Office: Not reported
Responsible Party/Company Name: Not reported
Ownership: 4
Responsible Party Contact Name: Not reported
Operation: 3
Responsible Party Mailing Address: Not reported
Responsible Party City,State,Zip: Not reported
Ownership: Private
Operation Type: Residential
Responsible Party County: Not reported
Source: Leak-underground
Type: GASOLINE/DIESEL
Location: 7
Petroleum Type: Not reported
Date Incident Reported: Not reported
Whether Tank is Commercial or Non Commercial: Not reported
Site Priority: Not reported
Whether Tank is Regulated: Not reported
Priority Update: Not reported

PENDERGRASS, CATHERINE PROPERT (Continued) **S107671982**

Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	y
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91555555
Longitude:	-79.07555555
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Contact Phone:	9199290216
Owner Company:	Not reported
Operator Address:	401 LINDSAY STREET
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	CED
Wells Contam:	Not reported
Latitude Number:	355456
Longitude Number:	790432
Latitude Decimal:	35.9155555555556
Longitude Decimal:	79.0755555555556
GPS:	6

PENDERGRASS, CATHERINE PROPERT (Continued) **S107671982**

Agency: DWM

Status:

Facility ID:	33016
Last Modified:	2006-05-19 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

11
West
1/4-1/2
0.330 mi.
1740 ft.

LIEFF PROPERTY, SUSAN **LUST** **S120840145**
1200 N GREENSBORO ST **INST CONTROL** **N/A**
CARRBORO, NC 27510

Relative:
Higher

Actual:
466 ft.

LUST:

Name:	LIEFF PROPERTY, SUSAN
Address:	1200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8050
Incident Number:	46130
Source Type:	3
Date Reported:	05/10/2017
Closure Request:	Not reported
Close Out:	06/19/2017
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	05/25/2017
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	9198186810
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8050
Facility Id:	46130
Date Occurred:	2017-05-05 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	4
Cause:	7
Source:	A
UST Number:	P

LUST:

Incident Number:	46130
Last Modified:	6/19/2017
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	LIEFF PROPERTY, SUSAN
Address:	1200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8050
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2017-05-24 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 5-24-2017
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1977078.7788699716
Y Coord:	789678.9011489004

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12 **BURNETT PROPERTY (MARVA)** **LUST** **S108966443**
SE **714 GOMAIN STREET** **LUST TRUST** **N/A**
1/4-1/2 **CHAPEL HILL, NC 27516** **INST CONTROL**
0.334 mi.
1766 ft.

Relative:
Higher

Actual:
438 ft.

LUST:

Name:	BURNETT PROPERTY (MARVA)
Address:	714 GOMAIN STREET
City,State,Zip:	CHAPEL HILL, NC 27516
Facility ID:	Not reported
UST Number:	RA-5862
Incident Number:	33418
Source Type:	3
Date Reported:	12/01/2007
Closure Request:	Not reported
Close Out:	07/22/2008
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	07/31/2008
GPS Confirmed:	69
Current Status:	A
RBCA GW:	G2

BURNETT PROPERTY (MARVA) (Continued) **S108966443**

PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9199688315
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5862
Facility Id:	33418
Date Occurred:	2007-11-14 00:00:00
Date Reported:	2007-12-01 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33418
Last Modified:	7/22/2008
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	BURNETT PROPERTY (MARVA)
Address:	714 GOMAIN STREET

BURNETT PROPERTY (MARVA) (Continued) **S108966443**

City,State,Zip: CHAPEL HILL, NC
Facility ID: Not reported
Site ID: 33418
Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 1/22/08]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

INST CONTROL:
Name: BURNETT PROPERTY (MARVA)
Address: 714 GOMAIN STREET
City,State,Zip: CHAPEL HILL, NC
Project Number: RA-5862
Object ID: Not reported
DWM Contact: Raleigh Regional Office (919) 791-4200
DWM Program: Underground Storage Tank Section
Project Status: No Further Action
COC: Multi COC
Contamination Source: UST System
Received Date: 2008-07-30 00:00:00
Restricted Media: Multi-Media
Allowed Use: Media Restrictions Only
Certification: None
Plant Reception Date: Not reported
Instrument Status: Effective
Deed BK: Not reported
Deed PG: Not reported
Plat BK: Not reported
Plat PG: Not reported
Instrument: Notice and Restriction
Deed: Not reported
Deed Date: Recorded 7-30-2008
Plat: Not reported
Plat Date: Not reported
X Coord: 1980418.5969934762
Y Coord: 788161.4717690647

13
SSW
1/4-1/2
0.347 mi.
1831 ft.

RODRIGUEZ GASOLINE RELEASE **LAST** **S126204698**
202 SHELTON ST **N/A**
CARRBORO, NC 27510

Relative: Higher

Actual: 473 ft.

LAST:
Name: RODRIGUEZ GASOLINE RELEASE
Address: 202 SHELTON ST
City,State,Zip: CARRBORO, NC 27510
Facility ID: Not reported
UST Number: RA-92178
Incident Number: 92168
Contamination Type: SL
Source Type: 12
Product Type: P
Date Reported: 04/26/2010

RODRIGUEZ GASOLINE RELEASE (Continued) **S126204698**

Date Occur:	04/26/2010	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		N
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		N
Risk Classification:		H
Risk Class Based On Review:		H
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	RES	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	3	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	
Error Code:	N	
Valid:	False	
Lat/Long:	Not reported	
Lat/Long Decimal:	35.91410 -79.07470	
Testlat:	Not reported	
Regional Officer Project Mgr:		DMD
Region:		RAL
Company:		Not reported
Contact Person:		Claudio Rodriguez
Telephone:		9199137349
RP Address:		202 SHELTON AVE
RP City,St,Zip:		CARRBORO, NC 27510
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	92168
Date Occurred:	4/26/2010
Date Reported:	4/26/2010
Description Of Incident:	Tenant’s Volkswagen leaked gasoline which resulted in impact to soil beneath and downgradient of gravel driveway.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	5
Type:	3

RODRIGUEZ GASOLINE RELEASE (Continued) **S126204698**

Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	Not reported
Samples Taken By:	N
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	4
Cause:	Not reported
Source:	Not reported
Source Type:	E
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

E14
South
1/4-1/2
0.382 mi.
2015 ft.

SOUTHERN STATES CARRBORO **LUST U003145472**
300 N. GREENSBORO ST. **UST N/A**
CARRBORO, NC 27510

Site 1 of 4 in cluster E

Relative:
Higher

Actual:
460 ft.

LUST:

Name:	SOUTHERN STATES PROPERTY
Address:	300 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510-1724
Facility ID:	Not reported
UST Number:	RA-4890
Incident Number:	26457
Source Type:	3
Date Reported:	12/17/2003
Closure Request:	Not reported
Close Out:	01/05/2004
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	233
Reel Num:	116
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Company:	NCDOT
Telephone:	9192504088
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4890
Facility Id:	26457
Date Occurred:	2003-11-12 00:00:00
Date Reported:	2003-12-17 00:00:00
Owner/Operator:	Not reported
Ownership:	7
Operation Type:	1
Type:	4
Location:	8
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	2
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26457
Last Modified:	1/5/2004
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Close-out Report: Not reported

UST:

Name:	SOUTHERN STATES CARRBORO
Address:	300 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 27510
Facility Id:	00-0-0000020470
Contact:	SOUTHERN STATES CARRBORO
Contact Address1:	300 N. GREENSBORO ST.
Contact Address2:	Not reported
Contact City/State/Zip:	CARRBORO, NC 27510
FIPS County Desc:	Orange
Latitude:	35.91288
Longitude:	-79.0715

Click here to access the North Carolina DEQ records for this facility:

Tank Id:	1
Tank Status:	Removed
Installed Date:	03/10/1973
Perm Close Date:	06/01/1987
Product Name:	Gasoline, Gas Mix
Tank Capacity:	2500
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported
Decode for PCONS_KEY:	Single Wall Steel
Decode for PSYS_KEY:	Unknown

Tank Id:	1A
Tank Status:	Removed
Installed Date:	09/27/1967
Perm Close Date:	06/01/1985
Product Name:	Gasoline, Gas Mix
Tank Capacity:	3000
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Decode for PCONS_KEY: Single Wall Steel
Decode for PSYS_KEY: Unknown

E15
South
1/4-1/2
0.382 mi.
2015 ft.

SOUTHERN STATES PROPERTY **IMD** **S106196005**
300 N. GREENSBORO STREET **N/A**
CARRBORO, NC

Site 2 of 4 in cluster E

Relative:
Higher

Actual:
460 ft.

IMD:

Facility ID:	26457
Name:	SOUTHERN STATES PROPERTY
Address:	300 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	11/12/2003
Submit Date:	12/17/2003
Incident Desc:	One (1) 550-gallon heating oil UST
Operator:	EUGENE TARASCIO
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	7
Responsible Party Contact Name:	Not reported
Operation:	1
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	State
Operation Type:	Public Service
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	8
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Other
Current Risk Condition:	Not reported
Sampled By:	2
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91277777
Longitude:	-79.07194444
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported

SOUTHERN STATES PROPERTY (Continued) **S106196005**

RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9192504088
Owner Company:	NCDOT
Operator Address:	1589 MAIL SERVICE CENTER
Operator City,State,Zip:	RALEIGH, NC 27699-1589
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	JFM
Wells Contam:	Not reported
Latitude Number:	355446
Longitude Number:	790419
Latitude Decimal:	35.9127777777778
Longitude Decimal:	79.0719444444444
GPS:	7
Agency:	DWM

Status:

Facility ID:	26457
Last Modified:	2004-01-05 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

F16 **PERRY PROPERTY, HOYT** **LUST** **S104157349**
West **103 PINE STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.388 mi.
2048 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
465 ft.

LUST:

Name:	PERRY PROPERTY, HOYT
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-3075
Incident Number:	20571
Source Type:	3
Date Reported:	07/29/1999
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	919-384-2156
5 Min Quad:	Not reported

LUST:

ERR Type:	P
UST Number:	RA-3075
Facility Id:	20571
Date Occurred:	1999-07-23 00:00:00
Date Reported:	1999-10-06 00:00:00
Owner/Operator:	HOYT PERRY
Ownership:	4
Operation Type:	3

PERRY PROPERTY, HOYT (Continued) **S104157349**

Type:	4
Location:	7
Priority Update:	1999-10-06 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	20571
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HOYT PERRY PROPERTY
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	20571
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	20571
Name:	PERRY PROPERTY, HOYT
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	7/7/1999
Submit Date:	10/6/1999
Incident Desc:	TANK REMOVED; TPH UP TO 1820 PPM.
Operator:	HOYT PERRY
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported

PERRY PROPERTY, HOYT (Continued) **S104157349**

Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	10/6/1999
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	3
Samples Include:	1
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected

PERRY PROPERTY, HOYT (Continued) **S104157349**

Soil Contam:	No
Contact Phone:	919-384-2156
Owner Company:	Not reported
Operator Address:	2600 CROASDALE FARM PKWY, A129
Operator City,State,Zip:	DURHAM, NC 27705-
Operator County:	Not reported
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	1
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	20571
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

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17 **SELF HELP PROPERTY** **LUST** **S117055253**
SE **605 CRAIG STREET** **LUST TRUST** **N/A**
1/4-1/2 **CHAPEL HILL, NC 27516** **INST CONTROL**
0.388 mi.
2051 ft.

Relative:
Higher

Actual:
448 ft.

LUST:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC 27516
Facility ID:	Not reported
UST Number:	RA-7465
Incident Number:	39584
Source Type:	3
Date Reported:	06/25/2014
Closure Request:	Not reported
Close Out:	04/27/2016
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L

SELF HELP PROPERTY (Continued) **S117055253**

Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	04/04/2016
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	self help community developmen
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7465
Facility Id:	39584
Date Occurred:	2014-04-24 00:00:00
Date Reported:	2014-06-25 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	39584
Last Modified:	4/27/2016

SELF HELP PROPERTY (Continued) **S117055253**

Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC
Facility ID:	Not reported
Site ID:	39584
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 3/16/15]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

INST CONTROL:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC
Project Number:	RA-7465
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2016-04-03 00:00:00
Restricted Media:	Soil Only
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 4-3-2016
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1980381.2824355513
Y Coord:	787710.4871067256

F18 **GREENSTREET PROPERTY** **LUST** **S113813277**
West **100 E. PINE STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.392 mi.
2070 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
468 ft.

LUST:

Name:	GREENSTREET PROPERTY
Address:	100 E. PINE STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-7242
Incident Number:	39371
Source Type:	3
Date Reported:	05/28/2013
Closure Request:	Not reported
Close Out:	06/21/2013
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	SMJ
Company:	Greenstreet Building Co.
Telephone:	9196054810
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7242
Facility Id:	39371
Date Occurred:	2013-05-28 00:00:00
Date Reported:	2013-05-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

GREENSTREET PROPERTY (Continued) **S113813277**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	7
Source:	G
UST Number:	P

LUST:

Incident Number:	39371
Last Modified:	6/21/2013
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	GREENSTREET PROPERTY
Address:	100 E. PINE STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39371
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 4/1/14]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

E19 **FITCH LUMBER COMPANY, INC** **LUST U001439887**
South **309 N GREENSBORO STREET** **UST N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.395 mi.
2084 ft. **Site 3 of 4 in cluster E**

Relative:
Higher

Actual:
462 ft.

LUST:

Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	00-0-000-033000
UST Number:	RA-1633
Incident Number:	10287

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Source Type:	3
Date Reported:	10/09/1992
Closure Request:	Not reported
Close Out:	02/23/1993
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	C
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	A
RBCA GW:	G1
PETOPT:	3
RPL:	False
CD Num:	127
Reel Num:	23
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	FITCH LUMBER CO.
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-1633
Facility Id:	10287
Date Occurred:	1992-09-14 00:00:00
Date Reported:	1993-06-07 00:00:00
Owner/Operator:	BOBBIE VAUGHAN
Ownership:	4
Operation Type:	6
Type:	5
Location:	1
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	10287
Last Modified:	6/24/1993
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	5/24/1993

UST:

Name:	FITCH LUMBER COMPANY, INC
Address:	309 N GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510
Facility Id:	00-0-0000033000
Contact:	FITCH LUMBER COMPANY, INC
Contact Address1:	309 N GREENSBORO STREET
Contact Address2:	Not reported
Contact City/State/Zip:	CARRBORO, NC 27510
FIPS County Desc:	Orange
Latitude:	35.91224
Longitude:	-79.0726

Click here to access the North Carolina DEQ records for this facility:

Tank Id:	1
Tank Status:	Removed
Installed Date:	01/01/1968
Perm Close Date:	09/14/1992
Product Name:	Gasoline, Gas Mix
Tank Capacity:	2000
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported
Decode for PCONS_KEY:	Single Wall Steel
Decode for PSYS_KEY:	Unknown

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

IMD:

Facility ID:	10287
Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC
Date Occurred:	9/14/1992
Submit Date:	6/7/1993
Incident Desc:	UPON REMOVAL OF UST, MINOR SOIL CONTAM. WAS CONFIRMED.
Operator:	BOBBIE VAUGHAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	6
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Commercial
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	1
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Facility
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	FITCH LUMBER CO.
Operator Address:	309 N. GREENSBORO ST.
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	2
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	10287
Last Modified:	1993-06-24 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1993-05-24 00:00:00

E20
South
1/4-1/2
0.395 mi.
2084 ft.

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

Site 4 of 4 in cluster E

UST FINDER **1028519948**
UST FINDER RELEASE **N/A**

Relative:
Higher

Actual:
462 ft.

UST FINDER:

Object ID:	604317
Facility ID:	NC00-0-0000033000
Name:	FITCH LUMBER COMPANY, INC
Address:	309 N GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510
Address Match Type:	PointAddress
Open USTs:	0
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	835
Private Wells 1500ft:	3
Within 100yr Floodplain:	No
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	4
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-79.0722959999999
Y Coord:	35.912223
Latitude:	35.912223
Longitude:	-79.072296

UST FINDER:

Object ID:	1353815
Facility ID:	NC00-0-0000033000
Tank ID:	NC00-0-0000033000_1
Tank Status:	Closed
Installation Date:	1968/01/01 16:00:01+00
Removal Date:	1992/09/14 15:59:59+00
Tank Capacity:	2000
Substances:	Gasoline, Gas Mix
Tank Wall Type:	Single

UST FINDER RELEASE:

Object ID:	282856
Facility ID:	Not reported
Lust ID:	NC18855
Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 0

FITCH LUMBER COMPANY, INC (Continued) **1028519948**

Address Match Type:	Not reported
Reported Date:	1992/10/09 15:59:59+00
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	866
Domestic Wells within 1500ft:	4
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	4
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	State
X Coord:	-79.07237
Y Coord:	35.9127800000001
Latitude:	35.9127799999999
Longitude:	-79.07237

F21 **OAKLEY, LOUISE - PROPERTY** **LUST** **S105702836**
West **105 PINE STREET** **IMD** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **ASBESTOS**
0.404 mi.
2132 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
467 ft.

LUST:

Name:	OAKLEY, LOUISE - PROPERTY
Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-4209
Incident Number:	26074
Source Type:	3
Date Reported:	11/04/2002
Closure Request:	Not reported
Close Out:	05/08/2003
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Land Use:	Not reported
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	233
Reel Num:	116
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Company:	LOUISE OAKLEY
Telephone:	9193832376
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4209
Facility Id:	26074
Date Occurred:	2002-09-18 00:00:00
Date Reported:	2002-11-04 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26074
Last Modified:	5/8/2003
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

Facility ID:	26074
Name:	OAKLEY, LOUISE - PROPERTY
Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	9/18/2002
Submit Date:	11/4/2002
Incident Desc:	Not reported
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91777777
Longitude:	-79.06777777
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9193832376
Owner Company:	LOUISE OAKLEY
Operator Address:	206 CEDAR RIDGE WAY
Operator City,State,Zip:	DURHAM, NC
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	U
Dem Contact:	JFM
Wells Contam:	Not reported
Latitude Number:	355504
Longitude Number:	790404
Latitude Decimal:	35.9177777777778
Longitude Decimal:	79.0677777777778
GPS:	7
Agency:	DWM

Status:

Facility ID:	26074
Last Modified:	2003-05-08 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

ASBESTOS:

Name:	PRIVATE RESIDENCE - 105 PINE STREET

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC
Permit Number:	NC33173
NESHAP Number:	65455
Contractor:	A B Control, Inc.
Owner Name:	Rob Dow
Phone:	(919) 360-8136
Removal Start Date:	10-05-21
Removal End Date:	10-06-21
Demo Start Date:	Not reported
Demo End Date:	Not reported
Linear Feet:	0
Square Feet:	850
Cubic Feet:	0
Type:	R

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22 **ONTJES PROPERTIES LLC (10/98)** **LUST** **S104157236**
SSE **205 LLOYD STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.423 mi.
2235 ft.

Relative:
Higher

Actual:
464 ft.

LUST:

Name:	ONTJES PROPERTIES LLC (10/98)
Address:	205 LLOYD STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-3007
Incident Number:	20431
Source Type:	3
Date Reported:	12/29/1998
Closure Request:	1999-08-24 00:00:00
Close Out:	09/01/1999
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	C
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	51
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	128
Reel Num:	25
RPOW:	False
RPOP:	False

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	RKD
Company:	ONTJES PROPERTIES LLC
Telephone:	919-966-3336
5 Min Quad:	Not reported

LUST:

ERR Type:	P
UST Number:	RA-3007
Facility Id:	20431
Date Occurred:	1998-08-11 00:00:00
Date Reported:	1999-09-21 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Priority Update:	1999-09-21 00:00:00
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	2
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	20431
Last Modified:	9/1/1999
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	ONTJES PROPERTIES
Address:	205 LLOYD STREET
City,State,Zip:	CARBORO, NC
Facility ID:	Not reported
Site ID:	20431
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Commercial

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Priority Rank: Not reported
Deductable Amount: 20000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

IMD:

Facility ID:	20431
Name:	ONTJES PROPERTIES LLC (10/98)
Address:	205 LLOYD STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	10/17/1998
Submit Date:	9/21/1999
Incident Desc:	UST FOUND DURING CONSTRUCTION ACTIVITIES. CONTAMIANTED SOIL REMOVED.
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	6
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Commercial
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	1
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	L
Whether Tank is Regulated:	Not reported
Priority Update:	9/21/1999
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Facility
Current Risk Condition:	Not reported
Sampled By:	3
Samples Include:	2
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91138888
Longitude:	-79.06888888
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	919-966-3336
Owner Company:	ONTJES PROPERTIES LLC
Operator Address:	3 IRIS LANE
Operator City,State,Zip:	CHAPEL HILL, NC 27514-
Operator County:	Not reported
Material:	#2 FUEL OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	GASOLINE
Qty Lost:	Not reported
Qty Recovered:	Not reported
Setting:	1
Risk Site:	L
Priority Code:	L
Dem Contact:	RKD
Wells Contam:	Not reported
Latitude Number:	355441
Longitude Number:	790408
Latitude Decimal:	35.9113888888889
Longitude Decimal:	79.0688888888889
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	20431
Last Modified:	1999-09-01 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

G23 **NORRIS PROPERTY (GEORGIA)** **LUST** **S107671991**
SW **114 ELM STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.461 mi.
2433 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
467 ft.

LUST:

Name:	NORRIS PROPERTY (GEORGIA)
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5488
Incident Number:	33029
Source Type:	3
Date Reported:	03/15/2006
Closure Request:	Not reported
Close Out:	08/29/2006
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	345
Reel Num:	305
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4960
Facility Id:	33029
Date Occurred:	2006-03-08 00:00:00
Date Reported:	2006-03-17 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33029
Last Modified:	8/29/2006
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	NORRIS PROPERTY (GEORGIA)
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33029
Site Note:	Noncommercial. 90% eligible. 5k deductible
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	33029
Name:	NORRIS PROPERTY
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	3/8/2006
Submit Date:	3/17/2006
Incident Desc:	Leak discovered following removal of heating oil UST.
Operator:	GEORGIA NORRIS
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	Y
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91194444
Longitude:	-79.07611111
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	Not reported
Operator Address:	114 ELM STREET
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	Not reported
Dem Contact:	CED
Wells Contam:	Not reported
Latitude Number:	355443
Longitude Number:	790434
Latitude Decimal:	35.9119444444444
Longitude Decimal:	79.0761111111111
GPS:	4
Agency:	DWM

Status:

Facility ID:	33029
Last Modified:	2006-08-29 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

H24 **SECU*RE OAK PROPERTY** **LUST** **S121291139**
West **109 OAK STREET** **INST CONTROL** **N/A**
1/4-1/2 **CARRBORO, NC 27845**
0.462 mi.
2438 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
489 ft.

LUST:

Name:	SECU*RE OAK PROPERTY
Address:	109 OAK STREET
City,State,Zip:	CARRBORO, NC 27845
Facility ID:	Not reported
UST Number:	RA-8126
Incident Number:	46205
Source Type:	3
Date Reported:	10/11/2017
Closure Request:	Not reported
Close Out:	02/02/2018
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L

SECU*RE OAK PROPERTY (Continued) **S121291139**

Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	01/11/2018
GPS Confirmed:	69
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	secu*re
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8126
Facility Id:	46205
Date Occurred:	2017-10-03 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	46205
Last Modified:	2/2/2018

SECU*RE OAK PROPERTY (Continued) **S121291139**

Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	SECU*RE OAK PROPERTY
Address:	109 OAK STREET
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8126
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2018-01-10 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 1-10-2018
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1976414.3861698806
Y Coord:	789362.7367549837

I25 **CARR MILL MALL** **SHWS** **S109316491**
South **200 N GREENSBORO ST** **N/A**
1/4-1/2 **CARRBORO, NC**
0.467 mi.
2464 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
465 ft.

SHWS:

Name:	CARR MILL MALL
Address:	200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
EPAID:	NONCD0001186
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

CARR MILL MALL (Continued) **S109316491**

Click here to access the North Carolina DEQ records for this facility:

Name:	CARR MILL MALL
Address:	200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
EPAID:	NONCD0001186
Lat/Longitude:	35.912255 / -79.071043
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

Click here to access the North Carolina DEQ records for this facility:

I26 **CARR MILL MALL** **IMD** **S105807423**
South **200 NORTH GREENSBORO STREET** **N/A**
1/4-1/2 **CARRBORO, NC**
0.467 mi.
2464 ft. **Site 2 of 2 in cluster I**

Relative: IMD:
Higher

Actual: Facility ID:	86525
465 ft. Name:	CARR MILL MALL
Address:	200 NORTH GREENSBORO STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	2/25/2003
Submit Date:	9/30/2005
Incident Desc:	TEXTILE MANUFACTURING FACILITY LOCATED AT SITE BEFORE MALL WAS BUILT. CAP- Report of Soil Remediation Activities received 9-21-05
Operator:	MILLIAN, NATHAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	8
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Not reported
Responsible Party County:	Not reported
Source:	Unknown
Type:	OTHER INORGANICS
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	70
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported

CARR MILL MALL (Continued) **S105807423**

Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.914444
Longitude:	-79.071666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	Not reported
Owner Company:	CARR MILL MALL LIMITED PARTNERSHIP
Operator Address:	200 N. GREENSBORO ST.
Operator City,State,Zip:	CARRBORO, NC
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	D
Dem Contact:	ERIC RICE
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	EST
Agency:	DWQ

27
West
1/4-1/2
0.469 mi.
2475 ft.

BAKER PROPERTY, SUSAN
110 PINE STREET
CARRBORO, NC 27510

LUST
INST CONTROL

S121425741
N/A

Relative:
Higher

Actual:
465 ft.

LUST:

Name:	BAKER PROPERTY, SUSAN
Address:	110 PINE STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8140
Incident Number:	46218
Source Type:	3
Date Reported:	11/16/2017
Closure Request:	Not reported
Close Out:	12/22/2017
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	12/04/2017
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8140
Facility Id:	46218
Date Occurred:	2017-11-01 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

BAKER PROPERTY, SUSAN (Continued) **S121425741**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	46218
Last Modified:	12/22/2017
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	BAKER PROPERTY, SUSAN
Address:	110 PINE STREET
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8140
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2017-12-03 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 12-3-2017
Plat:	Not reported
Plat Date:	Not reported

BAKER PROPERTY, SUSAN (Continued) **S121425741**

X Coord: 1976309.275487721
Y Coord: 789000.2656951398

G28 **HOGAN RESIDENCE** **LUST** **S102443451**
SW **202 EAST POPLAR AVENUE** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.476 mi.
2515 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
466 ft.

LUST:

Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-2648
Incident Number:	16584
Source Type:	3
Date Reported:	04/08/1996
Closure Request:	Not reported
Close Out:	06/28/2005
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	30B
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	14
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	306
Reel Num:	198
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	MS. HOGAN
Telephone:	919-968-4258
5 Min Quad:	Not reported

LUST:

ERR Type:	R
UST Number:	RA-2648
Facility Id:	16584

HOGAN RESIDENCE (Continued) **S102443451**

Date Occurred:	1996-04-01 00:00:00
Date Reported:	1996-11-18 00:00:00
Owner/Operator:	ELLEN G. HOGAN
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	16584
Last Modified:	6/28/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	16584
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	High
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	16584
Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC
Date Occurred:	4/1/1996
Submit Date:	11/18/1996

HOGAN RESIDENCE (Continued) **S102443451**

Incident Desc:	UST REMOVEDAND AND CONTAIMINATION OF SOIL WAS FOUND.
Operator:	ELLEN G. HOGAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	30B
Whether Tank is Regulated:	Not reported
Priority Update:	4/16/1998
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.9131
Longitude:	-79.0782
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported

HOGAN RESIDENCE (Continued) **S102443451**

RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	919-968-4258
Owner Company:	MS. HOGAN
Operator Address:	305 WAYNE DRIVE
Operator City,State,Zip:	WILMINGTON, NC 28403-
Operator County:	Not reported
Material:	HOME HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	1
Risk Site:	H
Priority Code:	H
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355446
Longitude Number:	790435
Latitude Decimal:	35.9127777777778
Longitude Decimal:	79.0763888888889
GPS:	3
Agency:	DWM

Status:

Facility ID:	16584
Last Modified:	2005-06-28 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

H29 **PROVIDENCE PROPERTY** **LUST** **S118128425**
West **115 OAK STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27105**
0.497 mi.
2626 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
487 ft.

LUST:

Name:	PROVIDENCE PROPERTY
Address:	115 OAK STREET
City,State,Zip:	CARRBORO, NC 27105
Facility ID:	Not reported
UST Number:	RA-7692
Incident Number:	39799
Source Type:	3
Date Reported:	08/04/2015
Closure Request:	Not reported

PROVIDENCE PROPERTY (Continued) **S118128425**

Close Out:	08/19/2015
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	True
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	providence property management
Telephone:	8109236756
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7692
Facility Id:	39799
Date Occurred:	2015-07-09 00:00:00
Date Reported:	2015-08-04 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

PROVIDENCE PROPERTY (Continued) **S118128425**

LUST:

Incident Number:	39799
Last Modified:	8/19/2015
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	PROVIDENCE PROPERTY
Address:	115 OAK STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39799
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 11/9/15]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

---

30 SSE 1/2-1 0.675 mi. 3565 ft. **NORTH MERRITT MILL RD PCE CONTAMINATION** **SHWS** **S125965100**
N MERRITT MILL RD AND W FRANKL **N/A**
CHAPEL HILL, NC

Relative: Higher
Actual: 479 ft.

SHWS:

Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Address:	N MERRITT MILL RD AND W FRANKL
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NONCD0003091
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Address:	N MERRITT MILL RD AND W FRANKL
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NONCD0003091
Lat/Longitude:	35.910012 / -79.064804
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

Click here to access the North Carolina DEQ records for this facility:

31 SW 1/2-1 0.856 mi. 4522 ft. | **OWASA - NELLO TEER QUARRY**
HIGHWAY 54
CARBORRO, NC 27516 | **SHWS LAST IMD** | **S104913633 N/A**

Relative: Higher

Actual: 461 ft.

SHWS:

Name:	OWASA - NELLO TEER QUARRY
Address:	HIGHWAY 54
City,State,Zip:	CARBORRO, NC
EPAID:	NONCD0002247
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

LAST:

Name:	OWASA - NELLO TEER QUARRY	
Address:	HIGHWAY 54	
City,State,Zip:	CARBORRO, NC 27516	
Facility ID:	Not reported	
UST Number:	RA-21750	
Incident Number:	21750	
Contamination Type:		GW
Source Type:	19	
Product Type:	N	
Date Reported:	05/24/2000	
Date Occur:	05/24/2000	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		Not reported
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		Not reported
Risk Classification:		Not reported
Risk Class Based On Review:		U
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	40	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Not reported	
MTBE:	No	
MTBE1:	Unknown	
Flag:	Yes	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	Not reported	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

Error Code:	Not reported
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	35.93027 -79.14777
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	ORANGE WATER AND SEWER AUTHORI
Contact Person:	ED HOLLAND
Telephone:	Not reported
RP Address:	400 JONES FERRY ROAD
RP City,St,Zip:	CARBORO, NC
RP County:	Not reported
Comments:	2L VIOLATION FROM 1,1-DCE DISCOVERED DURING PHASE II ESA. SITE WAS FORMER NELLO TEER ASPHALT PLANT. LOW LEVELS OF CHLORINATED SOLVENTS IN FRACTURED BEDROCK. LARGE VOLUME OF PET HYDROCARBON SOIL CONTAMINATION. SITE IS TO BECOME ROCK QUARRY AND WATER RE
5 Min Quad:	Not reported

PIRF:

Facility Id:	21750
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	5
Operation Type:	3
Type:	Not reported
Location:	Not reported
Site Priority:	40A
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	0
Samples Taken By:	Not reported
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Cause:	Not reported
Source:	Not reported
Source Type:	1
Last Modified:	12/12/2001
Incident Phase:	**RE**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

Facility ID:	21750
Name:	OWASA - NELLO TEER QUARRY
Address:	HIGHWAY 54
City,State,Zip:	CARBORRO, NC
Date Occurred:	5/24/2000
Submit Date:	6/2/2000
Incident Desc:	2L VIOLATION FROM 1,1-DCE DISCOVERED DURING PHASE II ESA. SITE WAS FORMER NELLO TEER ASPHALT PLANT. LOW LEVELS OF CHLORINATED SOLVENTS IN FRACTURED BEDROCK. LAR
Operator:	HOLLAND, ED
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Dredge Spoil
Type:	OTHER PETROLEUM PROD.
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	919-968-4421
Owner Company:	ORANGE WATER AND SEWER AUTHORI
Operator Address:	400 JONES FERRY ROAD
Operator City,State,Zip:	CARBORO, NC 919-968-4421
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	A
Dem Contact:	REB
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	CALC
Agency:	DWQ

32
SSE
1/2-1
0.888 mi.
4690 ft.

UNC-COGENERATION FACILITY **SHWS S110689925**
575 W CAMERON AVE **VCP N/A**
CHAPEL HILL, NC

Relative:
Higher

Actual:
482 ft.

SHWS:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
Lat/Longitude:	35.90671 / -79.05925
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

UNC-COGENERATION FACILITY (Continued) **S110689925**

Click here to access the North Carolina DEQ records for this facility:

VCP:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
VOL Cleanup:	True
Latitude:	35.90671
Longitude:	-79.05925

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHAPEL HILL	S108965468	AMOCO #2281	EASTGATE SHOPPING CENTER		LUST TRUST
CHAPEL HILL	S105485881	CHAPEL HILL LANDFILL	1000 ESTES DRIVE EXTENSION		OLI
CHAPEL HILL	S125088060	ROCKY BROOK WASHERETTE	SOUTH GREENSBORO STREET (C)		DRYCLEANERS
CHAPEL HILL	S127148584	KAST PROPERTY, CHARLES	406 MITCHELL LANE	27516	LUST
CHAPEL HILL	S129182068	ORANGE COUNTY WALNUT GROVE HHW	3605 WALNUT GROVE CHURCH RD		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DEBRIS: Solid Waste Active Disaster Debris Sites Listing

NCDEQ Division of Waste Management Solid Waste Section Temporary Disaster Debris Staging Site (TDDSS) Locations which are available to be activated in a disaster or emergency.. Disaster Debris Sites can only be used for temporary disaster debris storage if the site's responsible party activates the site for use by notifying the NCDEQ DWM Solid Waste Section staff during an emergency

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 919-707-8247
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

LCID: Land-Clearing and Inert Debris (LCID) Landfill Notifications
A list all of the Land-Clearing and Inert Debris (LCID) Landfill Notification facilities (under 2 acres in size) in North Carolina.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-707-8200
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 83

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86
Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 83
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 01/31/2022
Date Data Arrived at EDR: 02/02/2022
Date Made Active in Reports: 04/29/2022
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 10/28/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/08/2024
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-807-6308
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment and Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/19/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/01/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Contamination Site Listing
List of PFAS facilities

Date of Government Version: 05/18/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/08/2022
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-8233
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

AIRS: Air Quality Permit Listing
A listing of facilities with air quality permits.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/04/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 919-707-8726
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

ASBESTOS: Asbestos Permits & Notifications Information
Asbestos notification sites

Date of Government Version: 01/31/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 03/11/2024
Number of Days to Update: 34

Source: Department of Health & Human Services
Telephone: 919-707-5973
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CCB: Coal Ash Structural Fills (CCB) Listing
These are not permitted Coal Ash landfills A list all of the now closed Coal Ash Structural Fills (CCB) in North Carolina, in point data form. The purpose is to provide the public and other government entities a visual overview of coal ash structural fills throughout the state and increase public awareness of their current locations.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 07/02/2021
Date Made Active in Reports: 09/27/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 03/05/2024
Number of Days to Update: 89

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23
Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 4
Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 03/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 10/02/2023
Date Data Arrived at EDR: 10/25/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 01/24/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PCSRP: Petroleum-Contaminated Soil Remediation Permits
To treat petroleum-contaminated soil in order to protect North Carolinaa??s environment and the health of the citizens of North Carolina.

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 74
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

SEPT HAULERS: Permitted Septage Haulers Listing
This list of all active and permitted Septage Land Application Site (SLAS) and Septage Detention and Treatment Facility (SDTF) sites in North Carolina. The purpose of this map is to provide the public and government entities a visual overview of the businesses that manage septage and septage facilities throughout the state.

Date of Government Version: 12/09/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/21/2024
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing
This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 08/29/2023
Date Data Arrived at EDR: 08/31/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TOWN OF CARRBORO CREST STREET
NOT REPORTED
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.918907 - 35° 55' 8.07''
Longitude (West):	79.071042 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

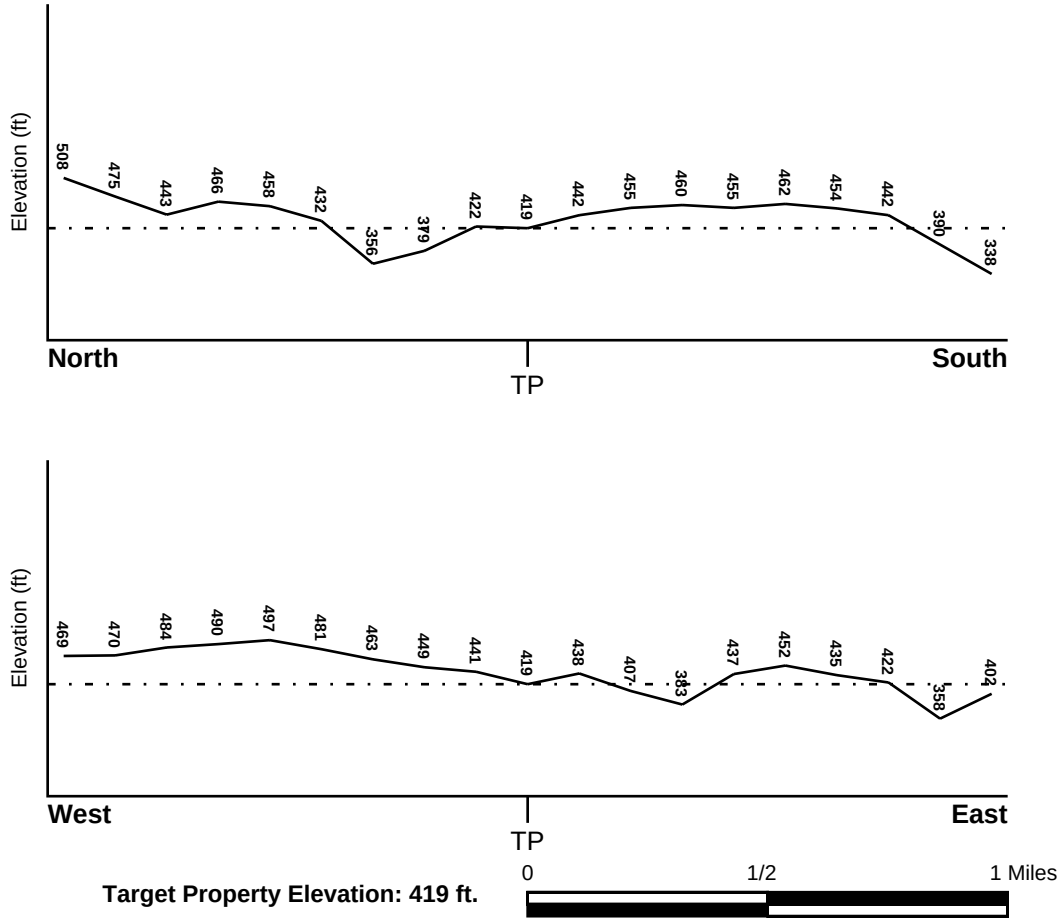
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977800J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710977900J	FEMA FIRM Flood data
3710978800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

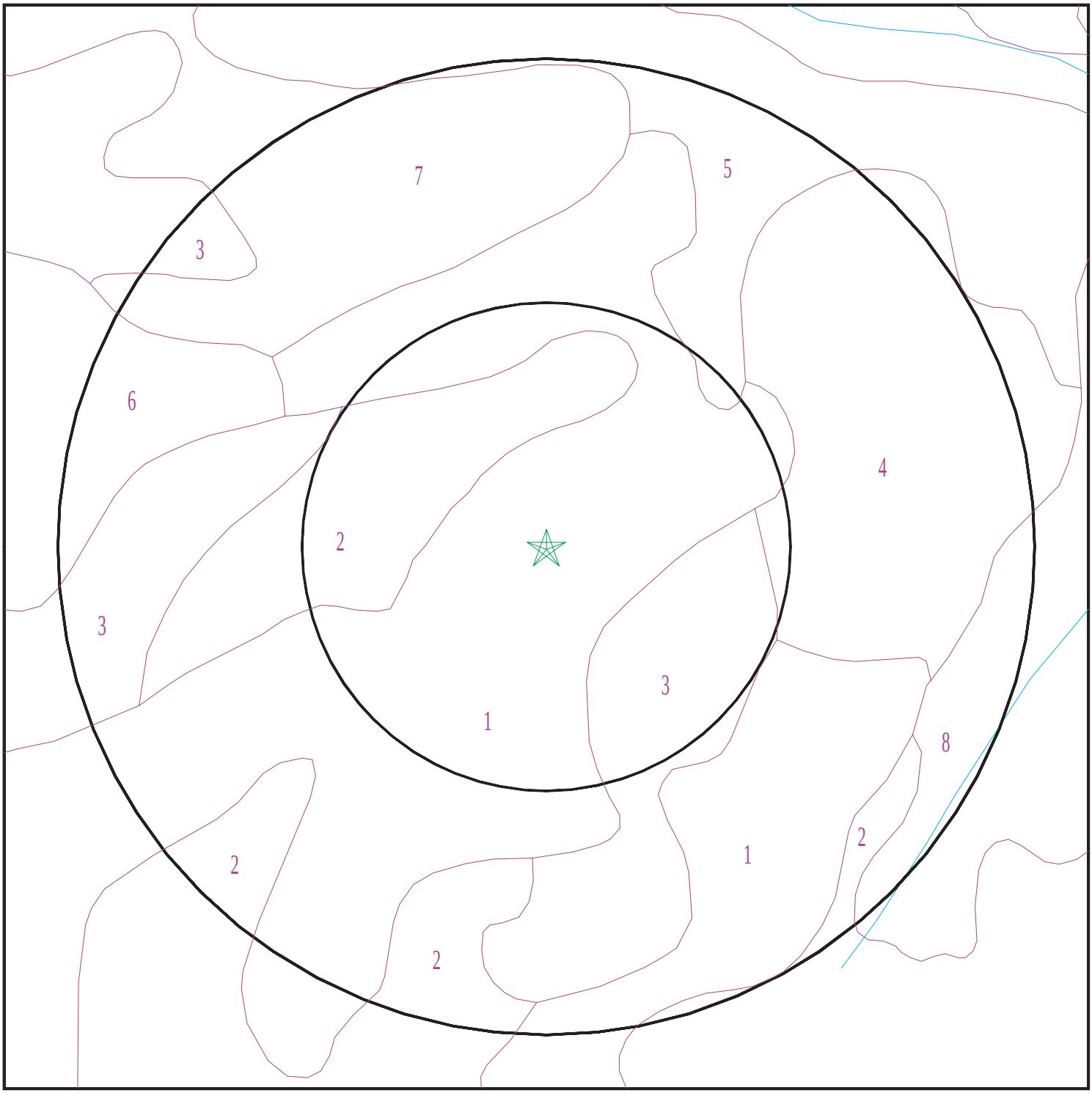
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7609267.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Iredell

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	5 inches	24 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	24 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
4	27 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: Iredell

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	7 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	78 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000891689	1/2 - 1 Mile SSE
4	USGS40000891849	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NC0368460	1/2 - 1 Mile SSW

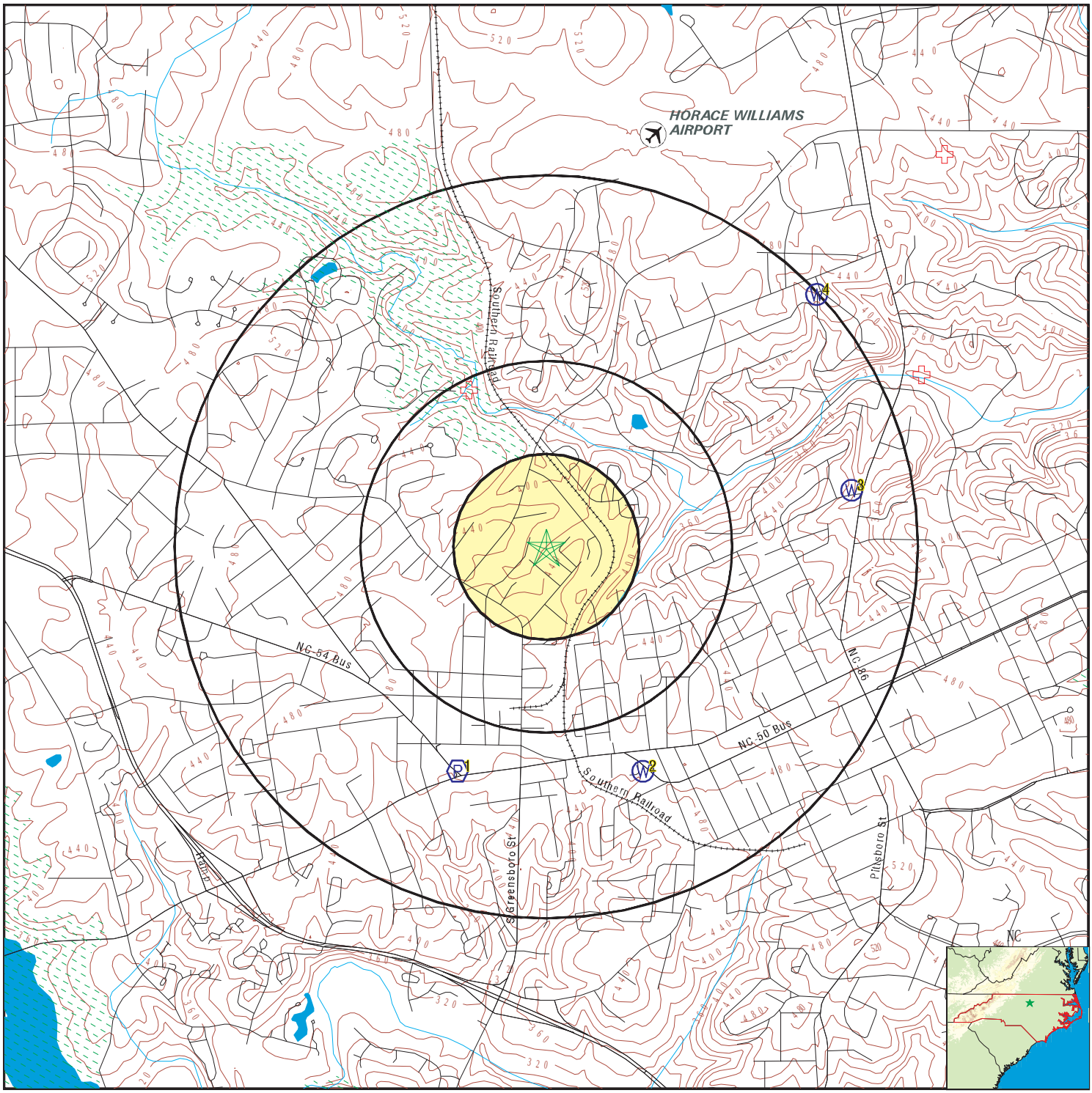
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	NC4000000018218	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7609267.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SSW
1/2 - 1 Mile
Higher

FRDS PWS **NC0368460**

Epa region:	04	State:	NC
Pwsid:	NC0368460	Pwsname:	POPPA JOE'S RESTAURANT
Cityserved:	Not Reported	Stateserved:	NC
Zipserved:	Not Reported	Fipscounty:	37135
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	MS MARGIE DRIGGERS OR MGR	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	Not Reported
Contactaddress2:	Not Reported	Contactcity:	EFFLAND
Contactstate:	NC	Contactzip:	27510
Pwsactivitycode:	I		
PWS ID:	NC0368460	PWS type:	System Owner/Responsible Party
PWS name:	MS MARGIE DRIGGERS OR MGR	PWS address:	Not Reported
PWS city:	EFLAND	PWS state:	NC
PWS zip:	27510	PWS ID:	NC0368460
PWS type:	System Owner/Responsible Party		
PWS name:	MARGIE DRIGGERS	PWS address:	Not Reported
PWS city:	MEBANE	PWS state:	NC
PWS zip:	27302	PWS ID:	NC0368460
Activity status:	Active	Date system activated:	8203
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	POPPA JOE'S RESTAURANT	System address:	Not Reported
System city:	EFFLAND	System state:	NC
System zip:	27510		
County FIPS:	068	City served:	EFFLAND
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	355436	Longitude:	0790432
Latitude:	360510	Longitude:	0791030

2
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000891689**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-227	Type:	Well
Description:	Not Reported	HUC:	03030002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metaigneous Rock	Aquifer Type:	Not Reported
Construction Date:	19681024	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1968-10-24

Feet below surface:	40.0	Feet to sea level:	Not Reported
Note:	Not Reported		

3
East
1/2 - 1 Mile
Lower

NC WELLS **NC4000000018218**

WELLS:

Water System ID:	NC0368476	Water System Name:	LOCKHART'S TRADING POST
WS Activity Status:	Inactive	WS Federal Type:	Non Community Transient
Primary Source:	Ground Water	Facility ID:	S01_1
Facility Status:	Active	Facility Name:	WELL #1
Facility Water Type:	Ground Water	Facility Availability:	Permanent
Well Depth:	Not Reported	Units:	Not Reported
Owner:	LOCKHART, CHARLES		

4
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000891849**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-245	Type:	Well
Description:	Not Reported	HUC:	03030002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metaigneous Rock	Aquifer Type:	Not Reported
Construction Date:	19770818	Well Depth:	220
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1977-08-18
Feet below surface:	30.0	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

NC_NHEO NC50005306

Elclass:	P	Precision1:	M
Eostat:	H	Gisid:	52003
Edr id:	NC50005306		

NC_NHEO NC50007525

Elclass:	A	Precision1:	S
Eostat:	X	Gisid:	442955
Edr id:	NC50007525		

NC_NHEO NC50009897

Elclass:	P	Precision1:	M
Eostat:	H	Gisid:	61771
Edr id:	NC50009897		

NC_NHEO NC50015296

Elclass:	P	Precision1:	M
Eostat:	X	Gisid:	252809
Edr id:	NC50015296		

NC_NHEO NC50015984

Elclass:	P	Precision1:	G
Eostat:	H	Gisid:	101265
Edr id:	NC50015984		

NC_SNHA NC10000343

Acres:	16.84	Sitename:	BERRYHILL RHODODENDRON BLUFF
Quality type:	Not Reported	Sig:	C
Site id:	343	Edr id:	NC10000343

NC_SNHA NC10002135

Acres:	242.78	Sitename:	BOLIN CREEK
Quality type:	Not Reported	Sig:	D
Site id:	2135	Edr id:	NC10002135

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

NC_SNHA NC10002136

Acres:	61.53	Sitename:	BATTLE PARK
Quality type:	Not Reported	Sig:	D
Site id:	2136	Edr id:	NC10002136

NC_SNHA NC10002137

Acres:	541.36	Sitename:	UNIVERSITY LAKE SLOPES
Quality type:	Not Reported	Sig:	D
Site id:	2137	Edr id:	NC10002137

NC_SNHA NC10002518

Acres:	163.23	Sitename:	UNIVERSITY LAKE AQUATIC HABITAT
Quality type:	Not Reported	Sig:	B
Site id:	2518	Edr id:	NC10002518

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.2s
March 28, 2024

EDR Summary Radius Map Report

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9189070 - 35° 55' 8.06''
Longitude (West):	79.0710420 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ROGERS-THIEM INC		NC HSDS	Same	5228, 0.990, South
1	ROBERTSON PROPERTY U	124 ESTES DRIVE EXT	LUST, LUST TRUST	Higher	364, 0.069, WNW
A2	GLENN OIL BULK FUEL	103 MULBERRY STREET	LAST, IMD	Higher	664, 0.126, South
A3	SHERRY PROPERTY (STE	100 MULBERRY ST	LUST, LUST TRUST	Higher	670, 0.127, South
B4	WHITE, MARTHA - RESI	508 OAK AVENUE	LUST, LUST TRUST, IMD	Higher	1026, 0.194, SW
B5	OAK AVE SPILL	511 OAK AVE	LAST	Higher	1035, 0.196, SW
C6	WILTBERGER PROPERTY,	503 OAK AVE.	LUST, IMD	Higher	1322, 0.250, SW
C7	LISA CROUCHER PROPER	406 OAK AVENUE	LUST	Higher	1418, 0.269, SSW
8	KURALT, BRENDA RESID	110 WATTERS ROAD	LUST, LUST TRUST, IMD	Higher	1487, 0.282, WNW
D9	PENDERGRASS, CATHERI	401 LINDSAY STREET	LUST, LUST TRUST	Higher	1574, 0.298, SW
D10	PENDERGRASS, CATHERI	401 LINDSAY STREET	IMD	Higher	1574, 0.298, SW
11	LIEFF PROPERTY, SUSA	1200 N GREENSBORO ST	LUST, INST CONTROL	Higher	1740, 0.330, West
12	BURNETT PROPERTY (MA	714 GOMAIN STREET	LUST, LUST TRUST, INST CONTROL	Higher	1766, 0.334, SE
13	RODRIGUEZ GASOLINE R	202 SHELTON ST	LAST	Higher	1831, 0.347, SSW
E14	SOUTHERN STATES CARR	300 N. GREENSBORO ST	LUST, UST	Higher	2015, 0.382, South
E15	SOUTHERN STATES PROP	300 N. GREENSBORO ST	IMD	Higher	2015, 0.382, South
F16	PERRY PROPERTY, HOYT	103 PINE STREET	LUST, LUST TRUST, IMD	Higher	2048, 0.388, West
17	SELF HELP PROPERTY	605 CRAIG STREET	LUST, LUST TRUST, INST CONTROL	Higher	2051, 0.388, SE
F18	GREENSTREET PROPERTY	100 E. PINE STREET	LUST, LUST TRUST	Higher	2070, 0.392, West
E19	FITCH LUMBER COMPANY	309 N GREENSBORO STR	LUST, UST, IMD	Higher	2084, 0.395, South
E20	FITCH LUMBER COMPANY	309 N GREENSBORO STR	UST FINDER, UST FINDER RELEASE	Higher	2084, 0.395, South
F21	OAKLEY, LOUISE - PRO	105 PINE STREET	LUST, IMD, ASBESTOS	Higher	2132, 0.404, West
22	ONTJES PROPERTIES LL	205 LLOYD STREET	LUST, LUST TRUST, IMD	Higher	2235, 0.423, SSE
G23	NORRIS PROPERTY (GEO	114 ELM STREET	LUST, LUST TRUST, IMD	Higher	2433, 0.461, SW
H24	SECU*RE OAK PROPERTY	109 OAK STREET	LUST, INST CONTROL	Higher	2438, 0.462, West
I25	CARR MILL MALL	200 N GREENSBORO ST	SHWS	Higher	2464, 0.467, South
I26	CARR MILL MALL	200 NORTH GREENSBORO	IMD	Higher	2464, 0.467, South
27	BAKER PROPERTY, SUSA	110 PINE STREET	LUST, INST CONTROL	Higher	2475, 0.469, West
G28	HOGAN RESIDENCE	202 EAST POPLAR AVEN	LUST, LUST TRUST, IMD	Higher	2515, 0.476, SW
H29	PROVIDENCE PROPERTY	115 OAK STREET	LUST, LUST TRUST	Higher	2626, 0.497, West
30	NORTH MERRITT MILL R	N MERRITT MILL RD AN	SHWS	Higher	3565, 0.675, SSE
31	OWASA - NELLO TEER Q	HIGHWAY 54	SHWS, LAST, IMD	Higher	4522, 0.856, SW
32	UNC-COGENERATION FAC	575 W CAMERON AVE	SHWS, VCP	Higher	4690, 0.888, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS: A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROGERS-THIEM INC		S 1/2 - 1 (0.990 mi.)	0	8

Lists of state- and tribal hazardous waste facilities

SHWS: A review of the SHWS list, as provided by EDR, and dated 12/01/2023 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARR MILL MALL Facility Id: NONCD0001186	200 N GREENSBORO ST	S 1/4 - 1/2 (0.467 mi.)	I25	15
NORTH MERRITT MILL R Facility Id: NONCD0003091	N MERRITT MILL RD AN	SSE 1/2 - 1 (0.675 mi.)	30	16
OWASA - NELLO TEER Q Facility Id: NONCD0002247	***HIGHWAY 54***	***SW 1/2 - 1 (0.856 mi.)***	***31***	***16***
UNC-COGENERATION FAC Facility Id: NCR000010272	***575 W CAMERON AVE***	***SSE 1/2 - 1 (0.888 mi.)***	***32***	***16***

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LAST: A review of the LAST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 3 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Close Out: 11/16/2004 Incident Number: 20705 Current Status: C	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***8***
OAK AVE SPILL Incident Number: 96636 Current Status: C	511 OAK AVE	SW 1/8 - 1/4 (0.196 mi.)	B5	9
RODRIGUEZ GASOLINE R Incident Number: 92168 Current Status: C	202 SHELTON ST	SSW 1/4 - 1/2 (0.347 mi.)	13	11

LUST: A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 21 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Incident Phase: CO Incident Number: 39750 Current Status: File Located in House	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Incident Phase: CO Incident Number: 33663 Current Status: File Located in Archives	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***8***
WHITE, MARTHA - RESI Incident Number: 26119 Current Status: File Located in House	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
WILTBERGER PROPERTY, Incident Phase: CO Incident Number: 26900 Current Status: File Located in Archives	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***9***
LISA CROUCHER PROPER Incident Phase: CO Incident Number: 48454 Current Status: File Located in House	406 OAK AVENUE	SSW 1/4 - 1/2 (0.269 mi.)	C7	9
KURALT, BRENDA RESID Incident Phase: CO Incident Number: 26766 Current Status: File Located in Archives	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Incident Phase: CO Incident Number: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***10***

Current Status: File Located in Archives				
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***10***
Incident Phase: CO Incident Number: 46130 Current Status: File Located in House				
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
Incident Phase: CO Incident Number: 33418 Current Status: File Located in Archives				
SOUTHERN STATES CARR	***300 N. GREENSBORO ST***	***S 1/4 - 1/2 (0.382 mi.)***	***E14***	***11***
Incident Phase: CO Incident Number: 26457 Current Status: File Located in Archives				
PERRY PROPERTY, HOYT	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
Incident Phase: RE Incident Number: 20571 Current Status: File Located in House				
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
Incident Phase: CO Incident Number: 39584 Current Status: File Located in House				
GREENSTREET PROPERTY	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***12***
Incident Phase: CO Incident Number: 39371 Current Status: File Located in House				
FITCH LUMBER COMPANY	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***13***
Incident Phase: CO Incident Number: 10287 Current Status: File Located in Archives				
OAKLEY, LOUISE - PRO	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***13***
Incident Phase: CO Incident Number: 26074 Current Status: File Located in Archives				
ONTJES PROPERTIES LL	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
Incident Phase: CO Incident Number: 20431 Current Status: File Located in Archives				
NORRIS PROPERTY (GEO	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
Incident Phase: CO Incident Number: 33029 Current Status: File Located in Archives				
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***14***
Incident Phase: CO Incident Number: 46205 Current Status: File Located in House				
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***15***
Incident Phase: CO Incident Number: 46218 Current Status: File Located in House				
HOGAN RESIDENCE	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***

Incident Phase: CO
Incident Number: 16584
Current Status: File Located in Archives

PROVIDENCE PROPERTY	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***16***

Incident Phase: CO
Incident Number: 39799
Current Status: File Located in House

LUST TRUST: A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 13 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Site ID: 39750	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Site ID: 33663	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***8***
WHITE, MARTHA - RESI Site ID: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
KURALT, BRENDA RESID Site ID: 26683	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Site ID: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***10***
BURNETT PROPERTY (MA Site ID: 33418	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
PERRY PROPERTY, HOYT Site ID: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
SELF HELP PROPERTY Site ID: 39584	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
GREENSTREET PROPERTY Site ID: 39371	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***12***
ONTJES PROPERTIES LL Site ID: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
NORRIS PROPERTY (GEO Site ID: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
HOGAN RESIDENCE Site ID: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***
PROVIDENCE PROPERTY Site ID: 39799	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***16***

State and tribal institutional control / engineering control registries

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 5 INST CONTROL sites within approximately 0.5 miles of the target

property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***10***
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***14***
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***15***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there are 13 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Facility Id: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***8***
WHITE, MARTHA - RESI Facility Id: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
WILTBERGER PROPERTY, Facility Id: 26900	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***9***
KURALT, BRENDA RESID Facility Id: 26683 Facility Id: 26766	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Facility Id: 33016	401 LINDSAY STREET	SW 1/4 - 1/2 (0.298 mi.)	D10	10
SOUTHERN STATES PROP Facility Id: 26457	300 N. GREENSBORO ST	S 1/4 - 1/2 (0.382 mi.)	E15	12
PERRY PROPERTY, HOYT Facility Id: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
FITCH LUMBER COMPANY Facility Id: 10287	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***13***
OAKLEY, LOUISE - PRO Facility Id: 26074	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***13***
ONTJES PROPERTIES LL Facility Id: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
NORRIS PROPERTY (GEO Facility Id: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
CARR MILL MALL Facility Id: 86525	200 NORTH GREENSBORO	S 1/4 - 1/2 (0.467 mi.)	I26	15
HOGAN RESIDENCE Facility Id: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***

EXECUTIVE SUMMARY

Other Ascertainable Records

UST FINDER RELEASE: A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the target property.

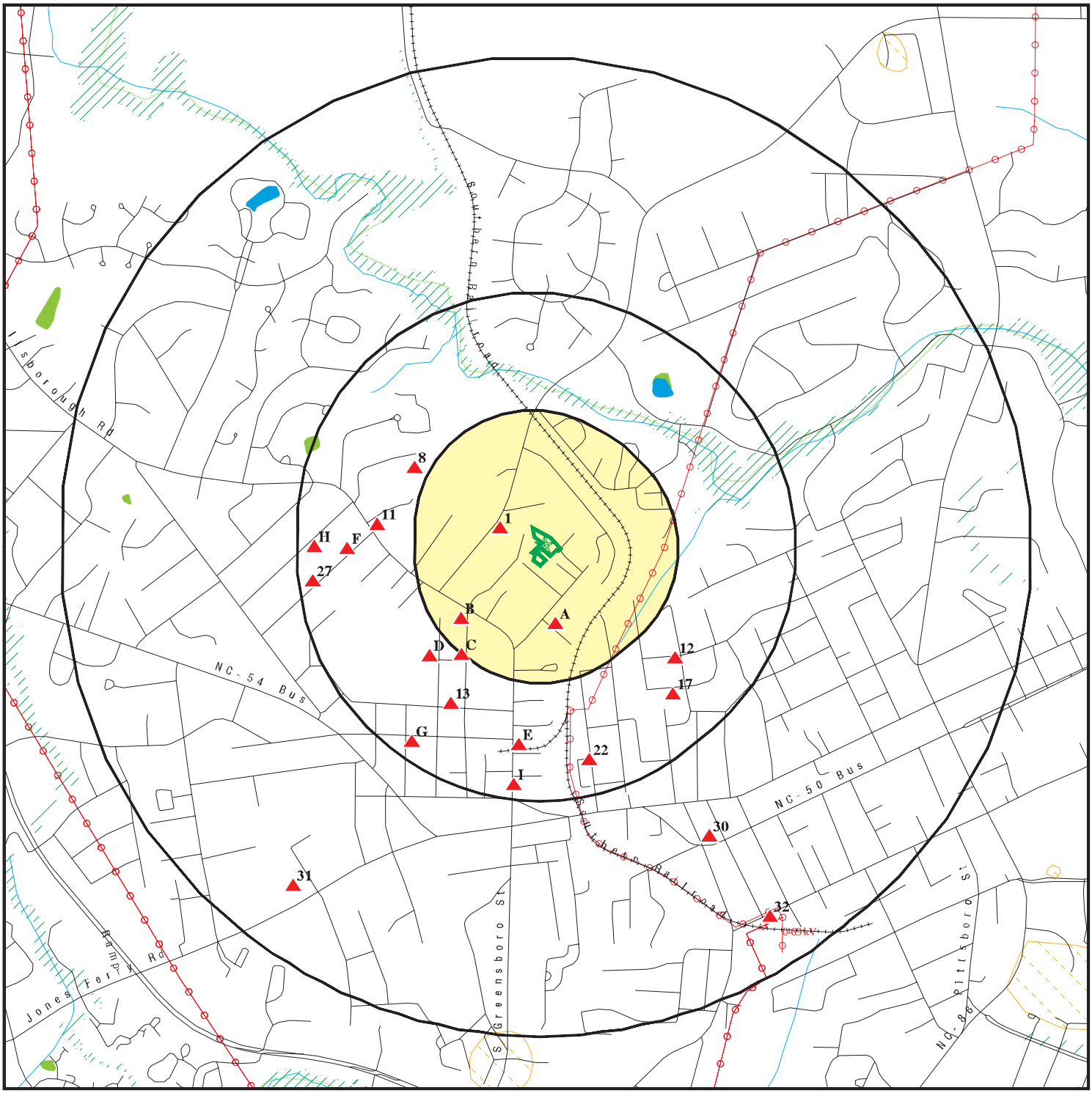
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FITCH LUMBER COMPANY	*309 N GREENSBORO STR*	*S 1/4 - 1/2 (0.395 mi.)*	*E20*	*13*

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHAPEL HILL	S108965468	AMOCO #2281	EASTGATE SHOPPING CENTER		LUST TRUST
CHAPEL HILL	S105485881	CHAPEL HILL LANDFILL	1000 ESTES DRIVE EXTENSION		OLI
CHAPEL HILL	S125088060	ROCKY BROOK WASHERETTE	SOUTH GREENSBORO STREET (C)		DRYCLEANERS
CHAPEL HILL	S127148584	KAST PROPERTY, CHARLES	406 MITCHELL LANE	27516	LUST
CHAPEL HILL	S129182068	ORANGE COUNTY WALNUT GROVE HHW	3605 WALNUT GROVE CHURCH RD		SWF/LF

OVERVIEW MAP - 7609267.2S



0 1/4 1/2 1 Miles

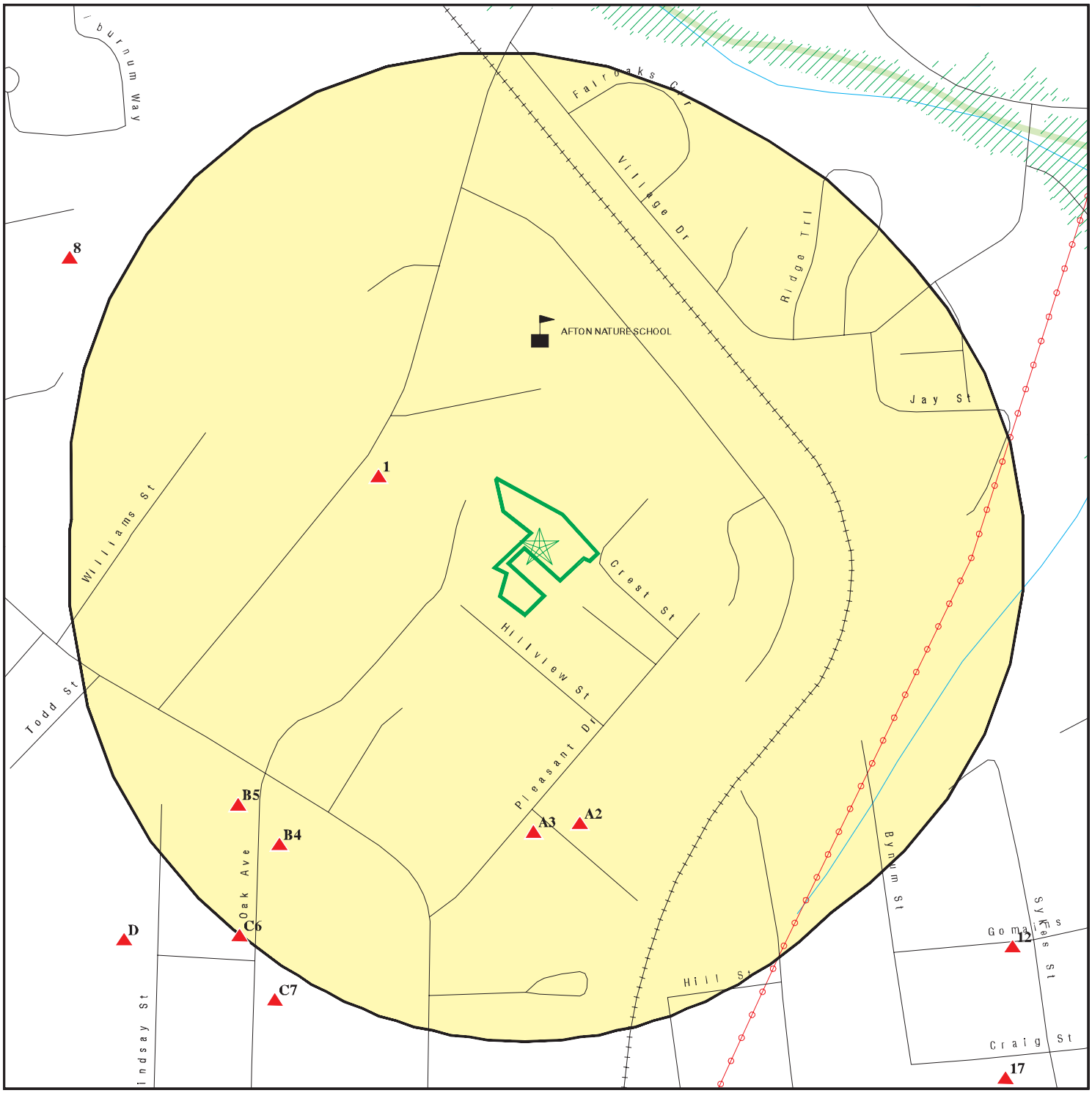
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Town of Carrboro Crest Street ADDRESS: Not Reported Carrboro NC 27510 LAT/LONG: 35.918907 / 79.071042	CLIENT: Summit Design & Engineering Services CONTACT: Aaron Gross INQUIRY #: 7609267.2s DATE: March 28, 2024 7:45 pm

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DETAIL MAP - 7609267.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	1	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	2	1	NR	NR	3
LUST	0.500		1	2	18	NR	NR	21
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		1	2	10	NR	NR	13
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	5	NR	NR	5
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	2	11	NR	NR	13
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	1	NR	NR	1
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	8	47	4	0	61

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

HSDS
Region South
1/2-1
5228 ft.

ROGERS-THIEM INC
, NC

NC HSDS **S102442343**
N/A

Click here for full text details

1
WNW
< 1/8
0.069 mi.
364 ft.

Relative: Higher

ROBERTSON PROPERTY UST
124 ESTES DRIVE EXT
CARRBORO, NC 27510

LUST **S118128382**
LUST TRUST **N/A**

Click here for full text details

LUST
Incident Phase CO
Incident Number 39750
Current Status File Located in House

LUST TRUST
Site ID 39750

A2
South
1/8-1/4
0.126 mi.
664 ft.

Relative: Higher

GLENN OIL BULK FUEL FACILITY (
103 MULBERRY STREET
CARRBORO, NC

LAST **S104157092**
IMD **N/A**

Click here for full text details

LAST
Incident Number 20705
Current Status C
Close Out 11/16/2004

IMD
Facility Id 20705

A3
South
1/8-1/4
0.127 mi.
670 ft.

Relative: Higher

SHERRY PROPERTY (STEVEN)
100 MULBERRY ST
CARRBORO, NC 27510

LUST **S109836876**
LUST TRUST **N/A**

Click here for full text details

LUST
Incident Phase CO
Incident Number 33663
Current Status File Located in Archives

LUST TRUST
Site ID 33663

B4
SW
1/8-1/4
0.194 mi.
1026 ft.

Relative:
Higher

WHITE, MARTHA - RESIDENCE
508 OAK AVENUE
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S105707186
N/A

Click here for full text details

LUST
Incident Number 26119
Current Status File Located in House

LUST TRUST
Site ID 26119

IMD
Facility Id 26119

B5
SW
1/8-1/4
0.196 mi.
1035 ft.

Relative:
Higher

OAK AVE SPILL
511 OAK AVE
CARRBORO, NC 27510

LAST

S128647293
N/A

Click here for full text details

LAST
Incident Number 96636
Current Status C

C6
SW
1/4-1/2
0.250 mi.
1322 ft.

Relative:
Higher

WILTBERGER PROPERTY, TOM
503 OAK AVE.
CARRBORO, NC 27510

LUST
IMD

S107031815
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26900
Current Status File Located in Archives

IMD
Facility Id 26900

C7
SSW
1/4-1/2
0.269 mi.
1418 ft.

Relative:
Higher

LISA CROUCHER PROPERTY
406 OAK AVENUE
CARRBORO, NC 27510

LUST

S128894821
N/A

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LUST
Incident Phase CO
Incident Number 48454
Current Status File Located in House

8
WNW
1/4-1/2
0.282 mi.
1487 ft.

Relative:
Higher

KURALT, BRENDA RESIDENCE
110 WATTERS ROAD
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S106520701
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26766
Current Status File Located in Archives

LUST TRUST
Site ID 26683

IMD
Facility Id 26683
Facility Id 26766

D9
SW
1/4-1/2
0.298 mi.
1574 ft.

Relative:
Higher

PENDERGRASS, CATHERINE PROPERTY
401 LINDSAY STREET
CARRBORO, NC 27510

LUST
LUST TRUST

S107562969
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 33016
Current Status File Located in Archives

LUST TRUST
Site ID 33016

D10
SW
1/4-1/2
0.298 mi.
1574 ft.

Relative:
Higher

PENDERGRASS, CATHERINE PROPERT
401 LINDSAY STREET
CARRBORO, NC

IMD

S107671982
N/A

Click here for full text details

IMD
Facility Id 33016

11
West
1/4-1/2
0.330 mi.
1740 ft.

Relative:
Higher

LIEFF PROPERTY, SUSAN
1200 N GREENSBORO ST
CARRBORO, NC 27510

LUST
INST CONTROL

S120840145
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 46130

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

Current Status File Located in House

12
SE
1/4-1/2
0.334 mi.
1766 ft.

Relative:
Higher

BURNETT PROPERTY (MARVA) **LUST** **S108966443**
714 GOMAIN STREET **LUST TRUST** **N/A**
CHAPEL HILL, NC 27516 **INST CONTROL**

Click here for full text details

LUST
Incident Phase CO
Incident Number 33418
Current Status File Located in Archives

LUST TRUST
Site ID 33418

13
SSW
1/4-1/2
0.347 mi.
1831 ft.

Relative:
Higher

RODRIGUEZ GASOLINE RELEASE **LAST** **S126204698**
202 SHELTON ST **N/A**
CARRBORO, NC 27510

Click here for full text details

LAST
Incident Number 92168
Current Status C

E14
South
1/4-1/2
0.382 mi.
2015 ft.

Relative:
Higher

SOUTHERN STATES CARRBORO **LUST** **U003145472**
300 N. GREENSBORO ST. **UST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 26457
Current Status File Located in Archives

UST
Facility Id 00-0-0000020470
Tank Status Removed

E15
South
1/4-1/2
0.382 mi.
2015 ft.

Relative:
Higher

SOUTHERN STATES PROPERTY — **IMD** — **S106196005**
300 N. GREENSBORO STREET — **N/A**
CARRBORO, NC

Click here for full text details

IMD
Facility Id 26457

F16
West
1/4-1/2
0.388 mi.
2048 ft.

Relative:
Higher

PERRY PROPERTY, HOYT — **LUST** — **S104157349**
103 PINE STREET — **LUST TRUST** — **N/A**
CARRBORO, NC 27510 — **IMD**

Click here for full text details

LUST
Incident Phase RE
Incident Number 20571
Current Status File Located in House

LUST TRUST
Site ID 20571

IMD
Facility Id 20571

17
SE
1/4-1/2
0.388 mi.
2051 ft.

Relative:
Higher

SELF HELP PROPERTY — **LUST** — **S117055253**
605 CRAIG STREET — **LUST TRUST** — **N/A**
CHAPEL HILL, NC 27516 — **INST CONTROL**

Click here for full text details

LUST
Incident Phase CO
Incident Number 39584
Current Status File Located in House

LUST TRUST
Site ID 39584

F18
West
1/4-1/2
0.392 mi.
2070 ft.

Relative:
Higher

GREENSTREET PROPERTY — **LUST** — **S113813277**
100 E. PINE STREET — **LUST TRUST** — **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 39371
Current Status File Located in House

GREENSTREET PROPERTY (Continued) **S113813277**

LUST TRUST
Site ID 39371

E19
South
1/4-1/2
0.395 mi.
2084 ft.

Relative:
Higher

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

LUST **U001439887**
UST **N/A**
IMD

Click here for full text details

LUST
Incident Phase CO
Incident Number 10287
Current Status File Located in Archives

UST
Facility Id 00-0-0000033000
Tank Status Removed

IMD
Facility Id 10287

E20
South
1/4-1/2
0.395 mi.
2084 ft.

Relative:
Higher

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

UST FINDER **1028519948**
UST FINDER RELEASE **N/A**

Click here for full text details

F21
West
1/4-1/2
0.404 mi.
2132 ft.

Relative:
Higher

OAKLEY, LOUISE - PROPERTY
105 PINE STREET
CARRBORO, NC 27510

LUST **S105702836**
IMD **N/A**
ASBESTOS

Click here for full text details

LUST
Incident Phase CO
Incident Number 26074
Current Status File Located in Archives

IMD
Facility Id 26074

22
SSE
1/4-1/2
0.423 mi.
2235 ft.

Relative:
Higher

ONTJES PROPERTIES LLC (10/98)
205 LLOYD STREET
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S104157236
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 20431
Current Status File Located in Archives

LUST TRUST
Site ID 20431

IMD
Facility Id 20431

G23
SW
1/4-1/2
0.461 mi.
2433 ft.

Relative:
Higher

NORRIS PROPERTY (GEORGIA)
114 ELM STREET
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S107671991
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 33029
Current Status File Located in Archives

LUST TRUST
Site ID 33029

IMD
Facility Id 33029

H24
West
1/4-1/2
0.462 mi.
2438 ft.

Relative:
Higher

SECU*RE OAK PROPERTY
109 OAK STREET
CARRBORO, NC 27845

LUST
INST CONTROL

S121291139
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 46205
Current Status File Located in House

I25
South
1/4-1/2
0.467 mi.
2464 ft.

Relative:
Higher

CARR MILL MALL — **SHWS** — **S109316491**
200 N GREENSBORO ST — **N/A**
CARRBORO, NC

Click here for full text details

SHWS
Facility Id NONCD0001186

I26
South
1/4-1/2
0.467 mi.
2464 ft.

Relative:
Higher

CARR MILL MALL — **IMD** — **S105807423**
200 NORTH GREENSBORO STREET — **N/A**
CARRBORO, NC

Click here for full text details

IMD
Facility Id 86525

27
West
1/4-1/2
0.469 mi.
2475 ft.

Relative:
Higher

BAKER PROPERTY, SUSAN — **LUST** — **S121425741**
110 PINE STREET — **INST CONTROL** — **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 46218
Current Status File Located in House

G28
SW
1/4-1/2
0.476 mi.
2515 ft.

Relative:
Higher

HOGAN RESIDENCE — **LUST** — **S102443451**
202 EAST POPLAR AVENUE — **LUST TRUST** — **N/A**
CARRBORO, NC 27510 — **IMD**

Click here for full text details

LUST
Incident Phase CO
Incident Number 16584
Current Status File Located in Archives

LUST TRUST
Site ID 16584

IMD
Facility Id 16584

H29
West
1/4-1/2
0.497 mi.
2626 ft.

Relative:
Higher

PROVIDENCE PROPERTY
115 OAK STREET
CARRBORO, NC 27105

LUST
LUST TRUST

S118128425
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 39799
Current Status File Located in House

LUST TRUST
Site ID 39799

30
SSE
1/2-1
0.675 mi.
3565 ft.

Relative:
Higher

NORTH MERRITT MILL RD PCE CONTAMINATION
N MERRITT MILL RD AND W FRANKL
CHAPEL HILL, NC

SHWS

S125965100
N/A

Click here for full text details

SHWS
Facility Id NONCD0003091

31
SW
1/2-1
0.856 mi.
4522 ft.

Relative:
Higher

OWASA - NELLO TEER QUARRY
HIGHWAY 54
CARBORRO, NC 27516

SHWS
LAST
IMD

S104913633
N/A

Click here for full text details

SHWS
Facility Id NONCD0002247

LAST
Incident Number 21750
Current Status C

IMD
Facility Id 21750

32
SSE
1/2-1
0.888 mi.
4690 ft.

Relative:
Higher

UNC-COGENERATION FACILITY
575 W CAMERON AVE
CHAPEL HILL, NC

SHWS
VCP

S110689925
N/A

Click here for full text details

SHWS
Facility Id NCR000010272

VCP

UNC-COGENERATION FACILITY (Continued) **S110689925**

EPA ID NCR000010272

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NC	AIRS	Air Quality Permit Listing	Department of Environmental Quality	12/04/2023	12/04/2023	02/27/2024
NC	AOP	Animal Operation Permits Listing	Department of Environmental Quality	08/29/2023	08/31/2023	11/21/2023
NC	ASBESTOS	Asbestos Permits & Notifications Information	Department of Health & Human Services	01/31/2024	02/06/2024	03/11/2024
NC	AST	AST Database	Department of Environment and Natural Resourc	11/08/2023	12/06/2023	02/27/2024
NC	BROWNFIELDS	Brownfields Projects Inventory	Department of Environment and Natural Resourc	09/01/2023	09/26/2023	12/18/2023
NC	CCB	Coal Ash Structural Fills (CCB) Listing	Department of Environmental Quality	05/10/2021	07/02/2021	09/27/2021
NC	COAL ASH	Coal Ash Disposal Sites	Department of Environment & Natural Resources	12/15/2022	12/19/2022	03/15/2023
NC	DEBRIS	Solid Waste Active Disaster Debris Sites Listing	Department of Environmental Quality	12/07/2023	12/07/2023	02/29/2024
NC	DRYCLEANERS	Drycleaning Sites	Department of Environment & Natural Resources	12/05/2023	12/07/2023	03/05/2024
NC	Financial Assurance 1	Financial Assurance Information Listing	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental & Natural Resourc	10/02/2012	10/03/2012	10/26/2012
NC	Financial Assurance 3	Financial Assurance Information	Department of Environment & Natural Resources	09/28/2023	09/28/2023	10/02/2023
NC	HIST LF	Solid Waste Facility Listing	Department of Environment & Natural Resource	11/06/2006	02/13/2007	03/02/2007
NC	HSDS	Hazardous Substance Disposal Site	North Carolina Center for Geographic Informat	08/09/2011	11/08/2011	12/05/2011
NC	IMD	Incident Management Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	INST CONTROL	No Further Action Sites With Land Use Restrictions Monitorin	Department of Environmental Quality	12/01/2023	12/05/2023	02/29/2024
NC	LAST	Leaking Aboveground Storage Tanks	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	LCID	Land-Clearing and Inert Debris (LCID) Landfill Notifications	Department of Environmental Quality	11/30/2023	01/03/2024	03/22/2024
NC	LUST	Regional UST Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	LUST TRUST	State Trust Fund Database	Department of Environment and Natural Resourc	01/02/2024	01/03/2024	03/22/2024
NC	NPDES	NPDES Facility Location Listing	Department of Environment & Natural Resources	10/02/2023	10/25/2023	01/18/2024
NC	OLI	Old Landfill Inventory	Department of Environment & Natural Resources	12/07/2023	01/03/2024	03/22/2024
NC	PCSRP	Petroleum-Contaminated Soil Remediation Permits	Department of Environmental Quality	08/18/2022	10/03/2022	12/16/2022
NC	PFAS	PFAS Contamination Site Listing	Department of Environmental Quality	05/18/2022	05/18/2022	08/08/2022
NC	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environment, Health and Natural		07/01/2013	12/24/2013
NC	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environment, Health and Natural		07/01/2013	01/13/2014
NC	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environment, Health and Natural		07/01/2013	12/20/2013
NC	SEPT HAULERS	Permitted Septage Haulers Listing	Department of Environmental Quality	12/09/2023	01/03/2024	03/22/2024
NC	SHWS	Inactive Hazardous Sites Inventory	Department of Environment, Health and Natural	12/01/2023	12/05/2023	02/28/2024
NC	SPILLS	Spills Incident Listing	Department of Environment & Natural Resources	10/28/2023	12/22/2023	01/08/2024
NC	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	06/14/2001	01/03/2013	03/06/2013
NC	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	09/27/2012	01/03/2013	03/06/2013
NC	SWF/LF	List of Solid Waste Facilities	Department of Environment and Natural Resourc	12/15/2022	12/19/2022	03/15/2023
NC	SWRCY	Recycling Center Listing	Department of Environment & Natural Resources	01/31/2022	02/02/2022	04/29/2022
NC	UIC	Underground Injection Wells Listing	Department of Environment & Natural Resources	09/25/2023	11/27/2023	02/21/2024
NC	UST	Petroleum Underground Storage Tank Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	VCP	Responsible Party Voluntary Action Sites	Department of Environment and Natural Resourc	12/01/2023	12/05/2023	02/29/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	11/28/2023	11/29/2023	12/11/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	11/03/2023	11/08/2023	11/20/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	09/28/2023	11/10/2023	02/07/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/10/2023	11/10/2023	02/07/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	08/03/2023	08/07/2023	10/10/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	09/01/2023	09/27/2023	12/21/2023
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	01/29/2024	02/01/2024	02/22/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/29/2024	02/01/2024	02/22/2024
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/15/2023	08/30/2023	12/01/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	11/17/2023	11/17/2023	02/07/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/26/2023	11/17/2023	02/13/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	11/17/2023	11/17/2023	02/07/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/26/2023	11/17/2023	02/13/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/01/2023	11/17/2023	02/13/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/06/2023	11/07/2023	01/31/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NC	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Health & Human Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NC	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TOWN OF CARRBORO CREST STREET
NOT REPORTED
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.918907 - 35° 55' 8.07''
Longitude (West):	79.071042 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

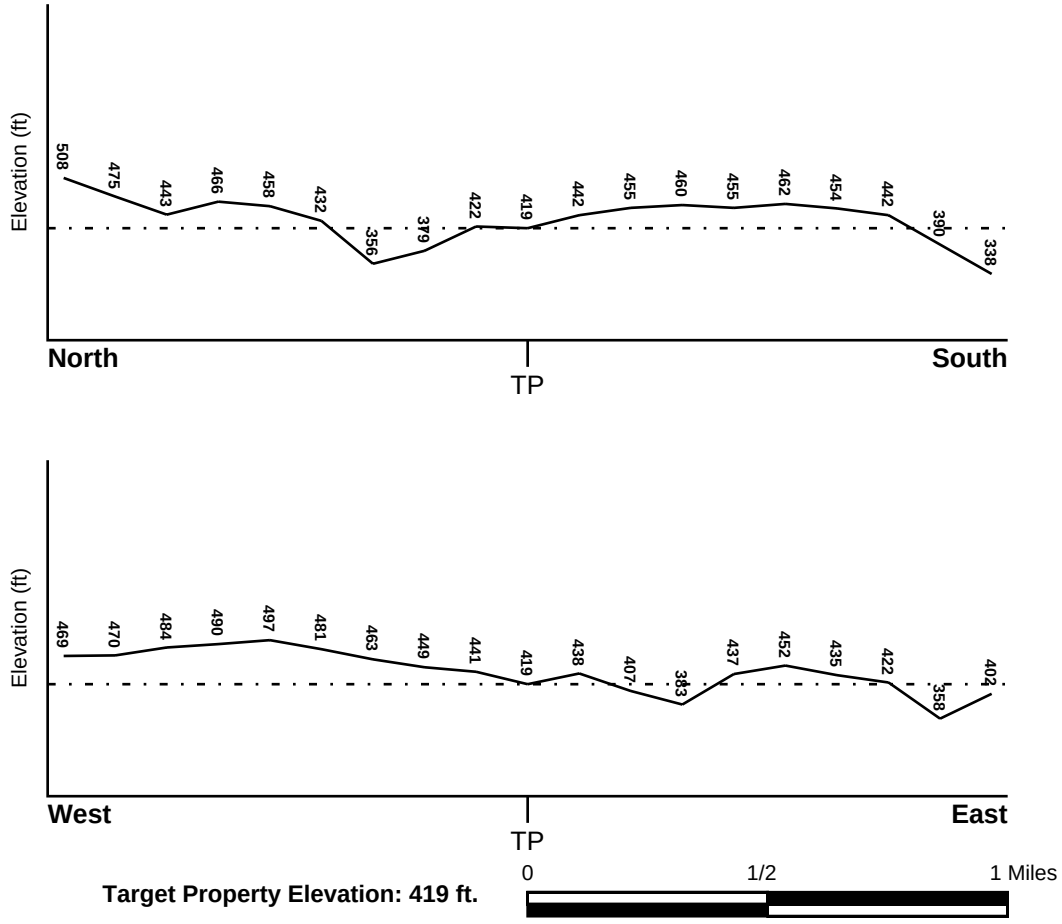
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977800J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710977900J	FEMA FIRM Flood data
3710978800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

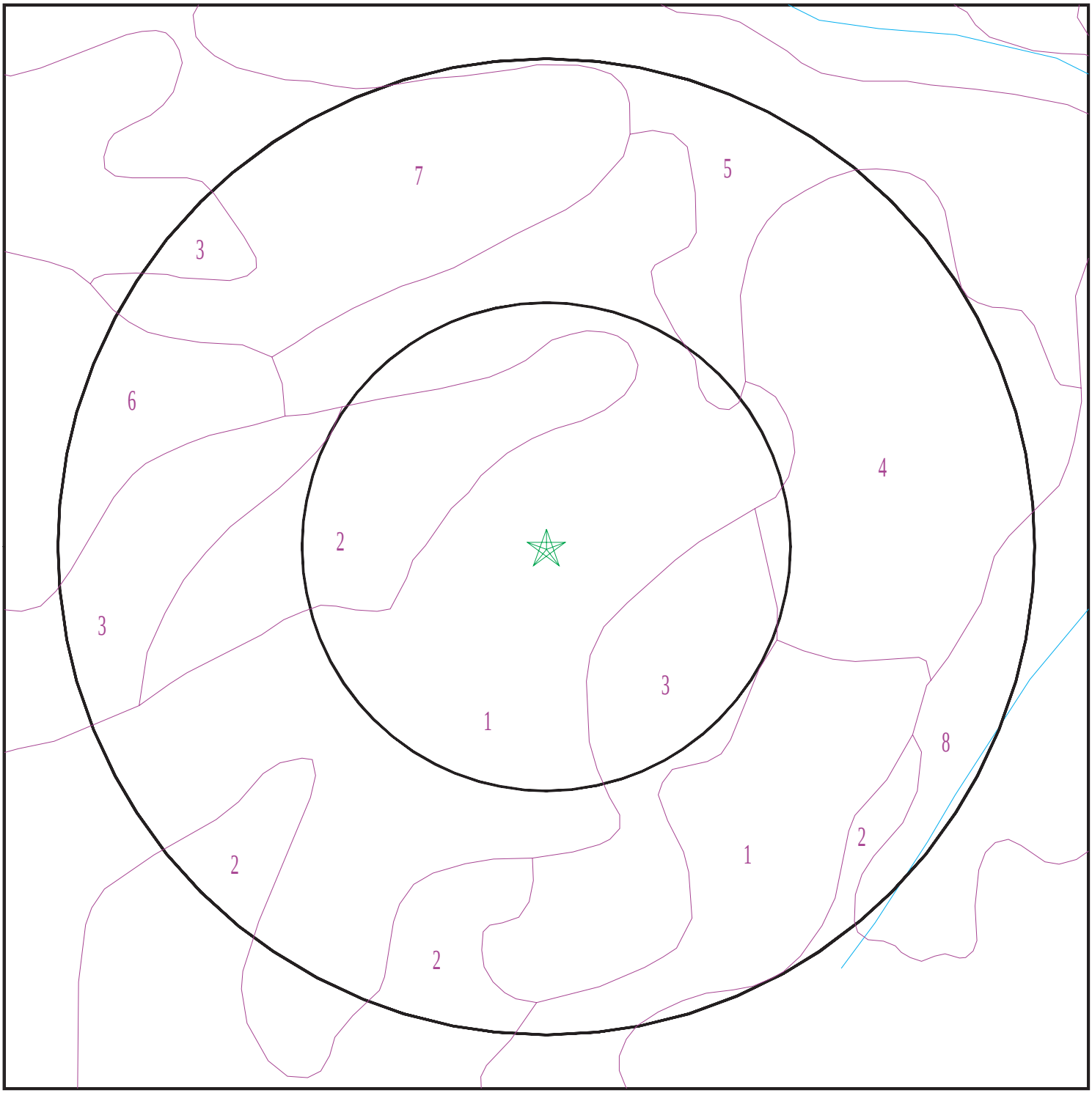
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7609267.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Iredell

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	5 inches	24 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	24 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
4	27 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: Iredell

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	7 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	78 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000891689	1/2 - 1 Mile SSE
4	USGS40000891849	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NC0368460	1/2 - 1 Mile SSW

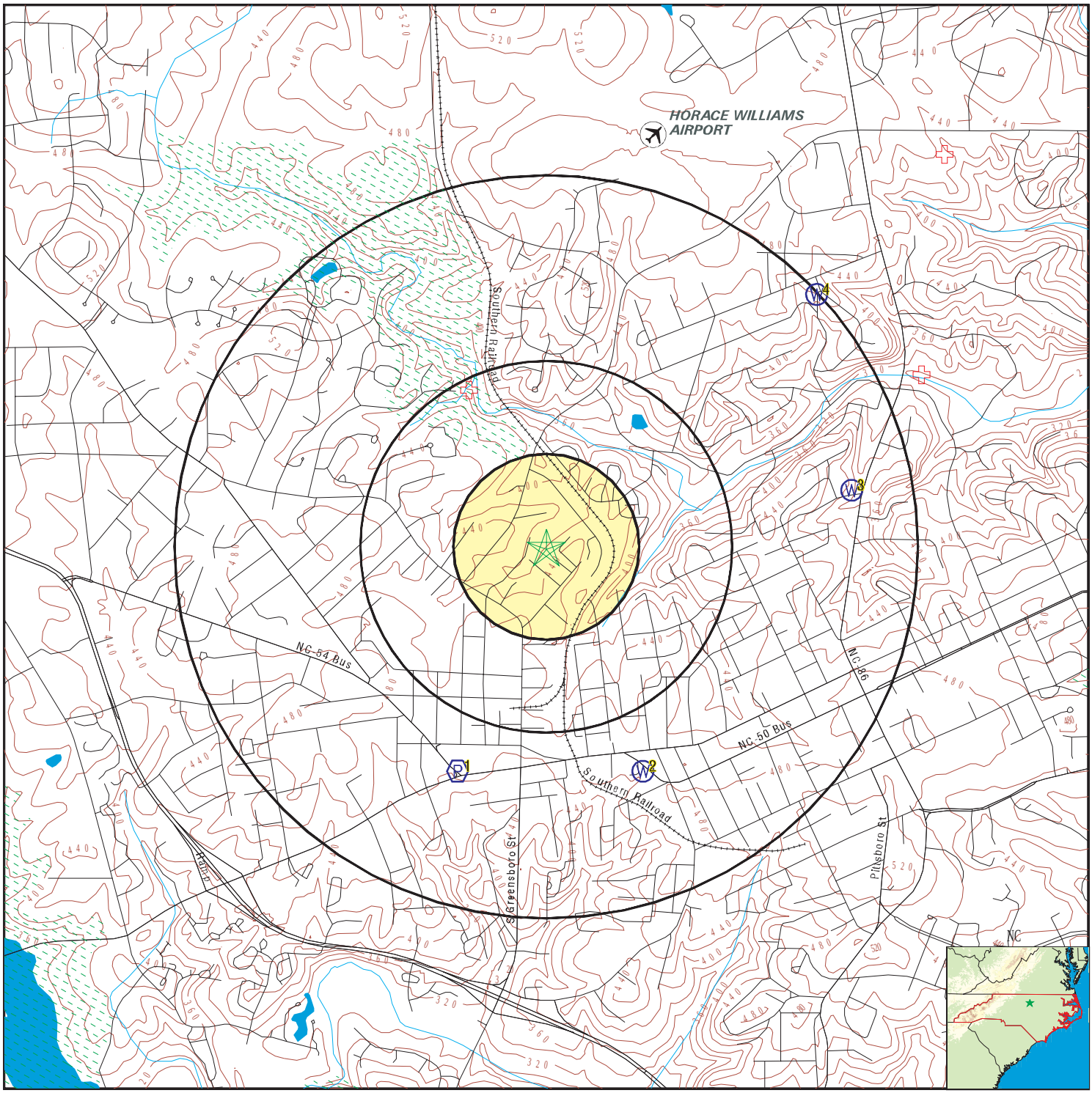
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	NC4000000018218	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7609267.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FRDS PWS**	**NC0368460**
2 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000891689**
3 **East** **1/2 - 1 Mile** **Lower**	Click here for full text details	**NC WELLS**	**NC4000000018218**
4 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000891849**
	Click here for full text details	**NC_NHEO**	**NC50005306**
	Click here for full text details	**NC_NHEO**	**NC50007525**
	Click here for full text details	**NC_NHEO**	**NC50009897**
	Click here for full text details	**NC_NHEO**	**NC50015296**
	Click here for full text details	**NC_NHEO**	**NC50015984**
	Click here for full text details	**NC_SNHA**	**NC10000343**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
	Click here for full text details	NC_SNHA	NC10002135
	Click here for full text details	NC_SNHA	NC10002136
	Click here for full text details	NC_SNHA	NC10002137
	Click here for full text details	NC_SNHA	NC10002518

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

RECEIVED
SEP 10 2015
NC DENR Raleigh Regional Office

INITIAL ABATEMENT ACTION REPORT
Including
Post Excavation Report

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NORTH CAROLINA

Latitude: 35.919460 N Longitude: -79.072649 W

Release Information

Date Discovered: July 8, 2015 (Lab Confirmation)
Estimated Release Quantity: Unknown
Release Cause/Source: Non-Commercial Heating Oil Underground Storage Tank
UST Capacity: 550-gallon Steel Heating Oil UST
NCDWM-UST Facility ID: Not Applicable
NCDWM-UST Incident No.: 39750

Responsible Party/Property Owner:
Page B. Rentals, LLC
George Knight
1249 Kildaire Farm Road
Cary, NC 27511

Terraquest Project No. 04615

August 11, 2015

100 E. Ruffin Street • Mebane, North Carolina 27302
Telephone (919) 563-9091 • Facsimile (919) 563-9095
www.terraquestpc.com

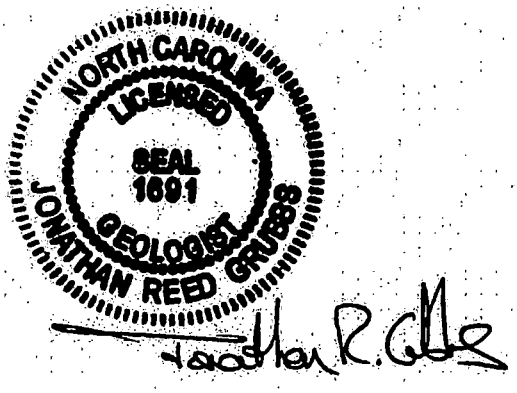
CERTIFICATION FOR THE SUBMITTAL
OF AN ENVIRONMENTAL / GEOLOGICAL ASSESSMENT

Attached is the Initial Abatement Action Report for:

Release Property:	Page B. Rentals, LLC Property c/o George Knight		
Address:	124 Estes Drive Extension		
City:	Carrboro	State: NC	Zip Code: 27105
Responsible Party:	Page B. Rentals, LLC c/o George Knight		
Address:	1249 Kildaire Farm Road		
City:	Cary	State: NC	Zip Code: 27511

I, Jonathan R. Grubbs, a Licensed Geologist in the State of North Carolina for TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C. do hereby certify that I am familiar with and have reviewed all material including figures within this report and that to the best of my knowledge the data, site assessments, figures, and other associated materials are correct and accurate. All work was performed under my direct supervision. My seal and signature are affixed below. Additional seals and/or signatures are also affixed below.

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jordan T. Lerew
Environmental Technician

Jonathan R. Grubbs, P.G.
Vice President

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A: UST Disposal Manifest, Approval for Further Over-Excavation letter, Weight Tickets, and Soil Disposal Waste Manifests

B: Photographs

C: Technical Methods and Standard Procedures

D: Analytical Report

1.0 INTRODUCTION

In June 2015, George Knight of Page B. Rentals, LLC contracted Terraquest Environmental Consultants, P.C. (Terraquest) to perform closure activities associated with a 550-gallon steel heating oil underground storage tank (UST) at the property located at 124 Estes Drive Extension, Carrboro, Orange County, NC. The scope of this report documents the UST removal and subsequent soil excavation activities completed at the subject property. The site location is shown in Figure 1. A site layout map is included in Figure 2.

2.0 SITE HISTORY

According to the Orange County Tax Records, the residential structure for which the heating oil UST supplied on the subject property was built in 1942. Orange County property title records indicate Charles and Frank Robertson have owned the property from March 2014 until they sold it to Page B Rental, LLC in June 2015. A Notice of Residual Petroleum was filed for the property with the Orange County Register of Deeds on June 22, 2015, prior to the property's sale. The residence currently uses natural gas as the fuel source for the heating unit. The product type, capacity, date installed, date closed, and release detection information for the UST is listed in Table 1.

3.0 INITIAL ABATEMENT ACTIVITIES

UST Closure

On June 29, 2015, approximately 25 gallons of residual liquid was removed from the UST and placed in a 55-gallon drum awaiting offsite disposal. A liquid disposal manifest was not available prior to the completion of this report.

On June 29, 2015, Terraquest supervised the removal of the steel UST using a track excavator. The UST was located off the northern side of the residence and was buried approximately 16 inches below ground level (BGL). Once the UST was removed, Terraquest personnel noted the UST had

pitting and numerous holes along the sides, bottom, and seems of the UST. The dimensions of the UST were approximately 45 inches by 76 inches. The product lines coming out from beneath the foundation were removed up to the edge of the final excavation. A copy of the UST disposal manifest is included in Appendix A.

Stained soils with a heating oil odor were noted beneath the UST indicating that a release of heating oil had occurred from the UST. In order to document the release incident, Terraquest personnel collected soil sample B1 immediately beneath the UST at a depth of 6.0 feet BGL.

Excavation of Contaminated Soil

On June 29, 2015, Terraquest supervised the excavation of impacted soils beneath and surrounding the UST. Soils beneath the initial base and sidewalls of the excavation were stained and had a strong heating oil odor. The soil excavation continued until either the odor and/or staining dissipated or the residence foundation was encountered along sidewall SW1. Soils in the sidewalls and base of the excavation were screened with a Photoionization Detector (PID). Terraquest identified a medium stiff yellowish-orange sandy clay from 0.5 to 6.0 feet BGL and a saprolitic yellowish-orange clayey sand from 6.0 to 12.0 feet BGL.

63.54 tons of contaminated soil were excavated from beneath the UST and hauled offsite for disposal at the Earthtec of NC, Inc. disposal facility in Sanford, NC. Additional tonnage, above the limit of 56.2 tons, was approved by the NCDWM-UST Section's Raleigh Regional Office (NCDWM-RRO). A copy of the Approval for Further Over-Excavation letter is contained in Appendix A. The final dimensions of the excavation were approximately 10.5 feet wide by 14 feet long by 12 feet deep. A copy of the soil disposal waste manifests are included in Appendix A.

Confirmation soil samples were collected at the final limits of the soil excavation to determine in-situ soil quality along the sidewalls (SW1, SW2, SW3, and SW4) and the base of the excavation (BE1). The sidewall soil sample depths were collected approximately three-quarters down the

sidewalls or where petroleum contamination was noted to document soil quality. The excavation was backfilled with Chapel Hill Gravel from Merritts Gravel Pit in Chapel Hill, NC. Table 2 lists the sample depths and analytical results of the limit of excavation soil samples. The locations of the limit of excavation soil samples are depicted in Figure 2. The methods and standard procedures followed during the soil sampling are detailed in Section 4.0.

With the discovery of the release confirmed by the soil sample analytical results, Terraquest reported the release to the NCDWM-RRO in the 20-Day Report, submitted July 15, 2015.

Pictures of the UST removal and subsequent soil excavation are included in Appendix B.

4.0 FIELD AND LABORATORY ANALYSES

4.1 Soil Sampling Methodology and Results – Soil Excavation

As previously mentioned, soil sample B1 (6.0) was collected from beneath the UST to document soil quality on June 23, 2015. After the soil excavation, soil samples were collected at the limits of the initial excavation {SW1(6-7), SW2(6-7), SW3(6-7), SW4(6-7), and BE1(12)}.

The initial B1 (6.0) and final confirmation soil samples were collected following the proper soil sampling protocol in accordance with the NCDWM - UST guidelines. A grab sample from each sample location was collected, placed in the appropriate laboratory-prepared containers, and labeled with the sample identification, sample analytical method, and sample time. Soil sample B1 was collected at a depth of 6.0 feet BGL with a properly decontaminated hand auger. Sidewall soil samples SW1, SW2, SW3, and SW4 were collected at depths between 6.0 and 7.0 feet BGL. The base of the excavation soil sample BE1 was collected at a depth of 12.0 feet BGL. The limits of the soil excavation soil samples were collected from the track excavator bucket. Each of the confirmation soil samples were placed on ice pending transportation to a North Carolina-certified

environmental laboratory. All of the soil samples were analyzed within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for each collected sample.

The B1 soil sample was analyzed for total petroleum hydrocarbons constituents by EPA Method 8015 using the sample extraction method TPH 3550 (heating oil) and sample preparation method 5030 (gasoline). The final sidewall and base of the excavation samples were analyzed by the Risk-Based Corrective Action (RBCA) methods EPA 8270 Base Neutrals and Acid Extractables (BNA) and Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons (EPH) targeting semi-volatile organics and EPA 8260 + methy tert-butyl ether (MTBE) + di-isopropyl ether (IPE) and MADEP Volatile Petroleum Hydrocarbons (VPH) targeting volatile organics. The SD1 soil sample was analyzed by TPH 3550 and 5030. The soil sampling protocol is detailed in the Technical Methods/Standard Procedures included in Appendix C.

The analytical results from the initial closure sample B1 revealed a petroleum contaminant concentration of 924 mg/kg per method TPH 3550 (heating oil) and 34 mg/kg per method 5030 (gasoline). These concentrations exceed the NCDWM-UST Action Limits of 10 mg/kg for both analyses. The analytical results of soil samples collected at the limits of the excavation revealed no detected concentrations exceeding the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (S-t-G MSCCs) in any of the sidewall or base of excavation soil samples. The analytical results of the confirmation soil samples are detailed in Table 2. Figure 2 depicts the locations of the B1 and SW and BE closure soil samples. The analytical report for the B1 and limit of excavation closure samples is contained in Appendix D.

A pre-prepared, sealed trip blank sample accompanied the soil sampled in transit to Xenco Laboratories of Norcross, GA. The trip blank accompanied the filled containers to the laboratory. The trip blank from the June 29, 2015 closure activities was analyzed by EPA Method 8260. Analysis of the trip blank sample revealed no contaminant concentrations above the laboratory's

sample method detection limits. The analytical results for the trip blank sample are included in Appendix D.

4.2 Groundwater Sampling Methodology and Results – Soil Excavation

Groundwater was not encountered during the UST closure and subsequent soil excavation.

5.0 FREE PRODUCT CHECK

No free product in the form of heating oil was observed in the bottom of the initial or final excavations.

6.0 POTENTIAL SOURCES OF PETROLEUM HYDROCARBONS

The primary source of petroleum hydrocarbons in the site vicinity is the former onsite heating oil UST. No additional USTs were noted in the immediate vicinity of the release area.

7.0 NATURE AND ESTIMATED QUANTITY OF RELEASE

The nature of the release is heating oil from the former 550-gallon heating oil UST. The amount of the release is currently unknown.

8.0 SITE AND VICINITY DESCRIPTION

The release incident is associated with the former 550-gallon UST installed on the subject property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. The site is located in a residential neighborhood and surrounding properties are residential. The site and the surrounding properties are believed to derive their drinking water from Orange Water and Sewer Authority

(OWASA) municipal sources. No buried utilities were uncovered within the limits of the UST excavation.

According to the Geologic Map of North Carolina (Brown et al, 1985), the site is located in the Carolina Slate Belt of the Piedmont Physiographic Region of North Carolina and is underlain by grandiorite consisting of levcoractic to mesocratic, fine to medium grained, equigranular to porphyritic grandiorite. Bedrock was not encountered during the soil excavation. Bolin Creek is located approximately 1,730 feet northeast of the UST basin.

9.0 CONCLUSIONS/RECOMMENDATIONS

The primary source of contamination at the site is believed to have originated from the 550-gallon heating oil UST formerly located at the residence. Terraquest has assembled data regarding the site vicinity and nature of the release in order to comply with Title 15A NCAC 2L .0115 and NCAC 2N .0700 regulations. Based upon the data gathered from this limited investigation, the following conclusions can be made:

- Analytical results of the B1 soil sample collected immediately beneath the UST confirm that a release from the UST system had occurred.
- Holes were noted along the bottom and seams of the UST.
- 63.54 tons of contaminated soil were excavated and hauled offsite for proper disposal at the Earthtec of NC, Inc. soil disposal facility in Sanford, NC.
- Analytical results of the soil samples collected from the sidewalls and base of the soil excavation reveal no petroleum contaminant concentrations that exceed the S-t-G MSCCs remain in-situ.
- Groundwater was not encountered during the soil excavation.
- With no in-situ soil contaminant concentrations above the S-t-G MSCCs, further assessment is not necessary. The release incident can be closed out and a Notice of No Further Action Letter completed.

10.0 LIMITATIONS

This report is limited to the investigation of petroleum hydrocarbons in the vicinity of the 550-gallon heating oil UST formerly located on the Providence Property Management property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. No representations are made concerning any other impacts to the environment except those described in this report. The opinions and conclusions arrived at in this report are in accordance with North Carolina Division of Waste Management regulations and guidelines and industry-accepted geologic and hydrogeologic practices at this time and location. No warranty is implied or intended.

REFERENCES

Brown, et al., 1985, Geologic Map of North Carolina, North Carolina Department of Natural Resources and Community Development, 1:500,000 scale.

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2N, Section .0700, January 1, 1991, "Criteria and Standards Applicable to Underground Storage Tanks".

North Carolina Department of Environment and Natural Resources, Division of Waste Management UST Section, UST Section *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, Effective August 1, 2012.

USGS 7.5-Minute Quadrangle Topographic Maps, Chapel Hill, North Carolina.

TABLES

Table 1 SITE HISTORY (UST SYSTEM INFORMATION)

8/11/2015 Incident Name: Page B. Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750 Facility ID No.: NA

UST	Product	Capacity (gallons)	Date Installed	Date Closed	Release Discovered?
T1	Heating Oil	550	1942	6/29/2015	Yes

Notes:

1. T1 was of steel construction.

Table 2
Date: 8/11/15

SUMMARY OF SOIL SAMPLING RESULTS

Incident Name: Page B Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750

Facility ID No.: NA

Analytical Method			5030/GRO	3550/DRO	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	MADEP VPH	MADEP EPH/VPH	MADEP EPH	MADEP EPH/VPH
	Contaminant of Concern																		
Sample ID	Date Collected	Sample Depth	TPH Low Fraction	TPH High Fraction	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics	
B1	6/29/15	6'	34	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SW1	6/29/15	6' - 7'	-	-	<0.00040	<0.00046	<0.00044	<0.00149	<0.00054	<0.00098	<0.0053	<0.0010	<0.00056	<0.00063	<0.00584	<11.206	<11.2	<22.402	
SW2	6/29/15	6' - 7'	-	-	<0.00046	**0.00082 J**	<0.00051	<0.00174	<0.00063	<0.0012	<0.0062	<0.0012	<0.00065	<0.00074	<0.00752	<12.907	<12.9	<25.802	
SW3	6/29/15	6' - 7'	-	-	<0.00048	<0.00056	<0.00053	<0.00182	<0.00065	<0.0012	<0.0065	**0.0021**	<0.00068	<0.00077	<0.00692	<11.007	<11	<22.102	
SW4	6/29/15	6' - 7'	-	-	<0.00050	<0.00058	<0.00055	<0.0019	<0.00068	<0.0012	<0.0067	<0.0013	<0.00071	<0.00080	<0.00726	<11.107	<11.1	<22.102	
BE1	6/29/15	12'	-	-	<0.00044	<0.00050	<0.00048	<0.00164	<0.00059	<0.0011	**0.029**	<0.0011	<0.00061	<0.00069	<0.00738	<10.907	<10.9	<21.802	
Soil to groundwater MSCC			-	-	0.0056	4.3	4.9	4.6	0.091	0.37	24	0.16	8.5	8.3	68	540	#	31	
Residential MSCC			-	-	18	1,200	1,560	3,129	350	156	14,000	313	782	782	939	1,500	31,000	469	
TPH Action Limit			10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

1. All results in mg/kg = parts per million
2. Bold denotes a compound detection. Shading denotes a Soil-to-Groundwater MSCC violation.
3. < - denotes less than sample detection limit.
4. Sample depths are in feet below ground level.
5. MSCC = Maximum Soil Contaminant Concentration.
6. "J" - The target analyte was positively identified below the quantitation limit and above the detection limit.

FIGURES



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

LEGEND

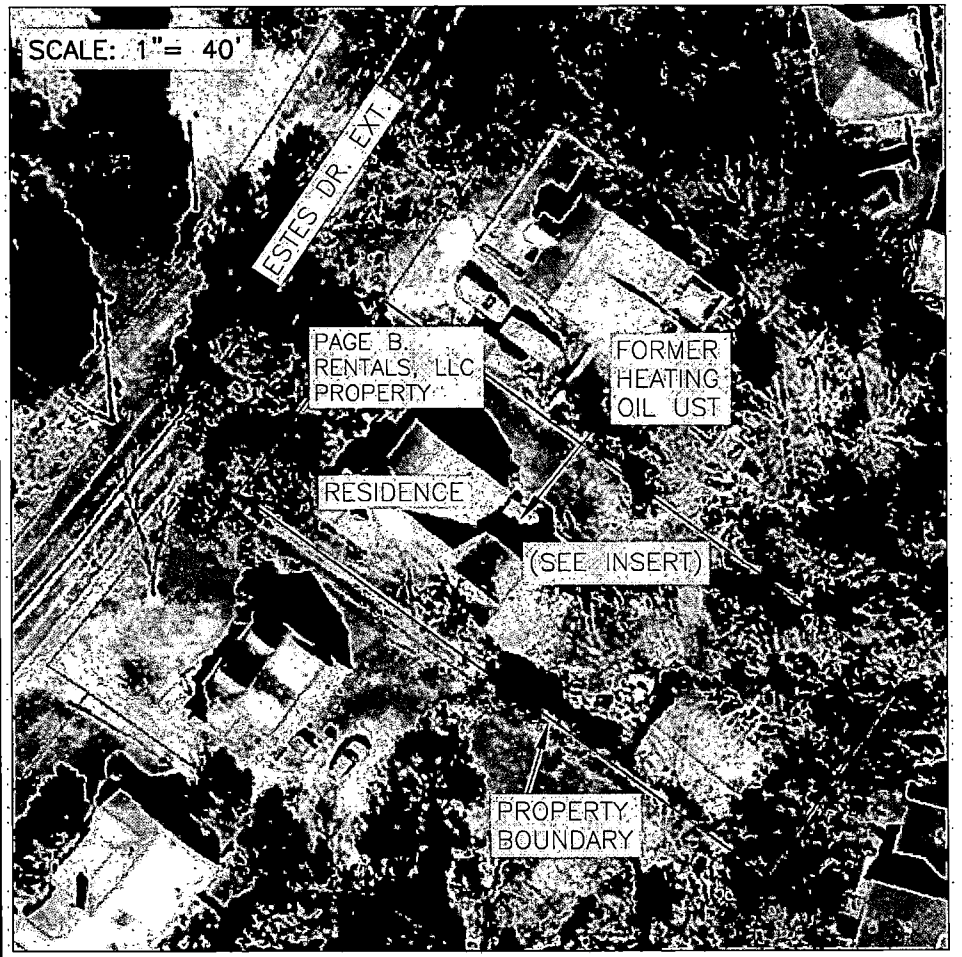
● SOIL SAMPLE LOCATION (SAMPLE DEPTH IN FEET BELOW GROUND LEVEL)

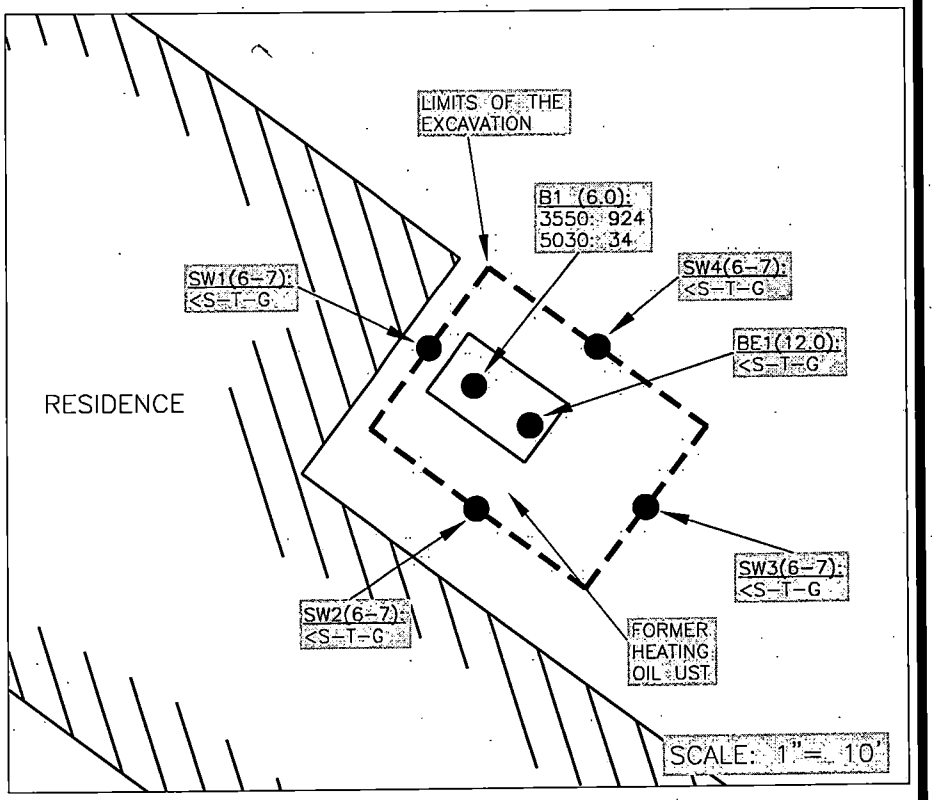
SW AND BE SOIL SAMPLES ANALYZED BY EPA 8260, 8270 BNA, & MADEP VPH/EPH.
B1 SOIL SAMPLE ANALYZED BY TPH 3550 (DRO) & TPH 5030 (GRO).

<S-T-G – NO DETECTIONS ABOVE S-T-G MSCCS
ALL RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

ONLY COMPOUNDS DETECTED AT CONCENTRATIONS GREATER THAN THE S-T-G MSCCS LISTED.
RED UNDERLINED CONCENTRATIONS ARE GREATER THAN RESIDENTIAL MSCCs.

SEE TABLE 2 FOR A COMPLETE LISTING OF DETECTED COMPOUNDS.





SITE LAYOUT &
CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

APPENDIX A

Ferguson's Backhoe, Hauling, & Miscellaneous Welding
1119 Hatch Rd
Chapel Hill, NC

Ferguson's Backhoe, Hauling, & Miscellaneous Welding degassed, cut opened and cleaned out one 550-gallon heating oil UST removed at the Page B. Rentals, LLC property located at 124 Estes Drive Extension in Carrboro, Orange County, NC in accordance with all North Carolina and Federal Regulations. The UST was then cut up and the scrape iron was sent to Orange County Landfill in Chapel Hill, NC. No residual liquid was observed in the UST during closure activities.

NCDENR

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr, Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wigfield, approve the further excavation of 15 ~~cubic yards~~ tons of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraquest, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL_mooresvlm 1.1R1114.dot

Earthtec of NC, Inc.
PO Box 130
Sanford, NC 27331-0130
Phone: 919.774.4517
Fax: 919.776.6415

CERTIFICATE OF ACCEPTANCE AND DISPOSAL

ISSUED TO: TerraQuest Environmental Consultants, P.C.

ADDRESS: 100 E. Ruffin Street

ADDRESS: Mebane, NC 27302

DATE: July 12, 2015

Earthtec of NC, Inc. hereby accepts full responsibility and liability for 63.54 tons of contaminated soil from:

Page B Rentals

Earthtec of NC, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environmental and Natural Resources for clean soil.

Earthtec of NC, Inc.

By:_____M. Scott Keller_____
M. Scott Keller, President

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 1
Consultant: Teraquest	Contact: Jonathan Gubbs
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6547
Transporter: Ferguson	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight:
	Tare Weight:
	Net Weight: 22560 lb TR RECALLED 27880 lb NT
	06/29/15 12:03

13.94 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Gubbs of Teraquest J. Pres 6/29/15
Generator / Agent Signature Per Page Rentals Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

PUBLIC WEIGHMASTER
EXPIRES JUNE 30

32 ID. NO.

54380 lb GR
22560 lb TR RECALLED
31820 lb NT

06/29/15 15:18

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 2
Consultant: Terraquest	Contact: Jonathan Cubbs 919 [illegible]563-909
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973 - 953 - 6547
Transporter: Fergusons	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Used Oil	Waste Origination: 124 Estes Dr. Carrboro, NC
Truck #: F-4	Gross Weight: 54380
	Tare Weight: 22560
	Net Weight: 31820
	TON 15.91

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Cubbs of Terraquest for Page B Rentals 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: _____ Date: 6-29-15

32

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

Joe F Holder

32 ID. NO.

54520 lb GR
22560 lb TR REDALLED
31960 lb NT

06/30/15 09:10

NON-HAZARDOUS WASTE MANIFEST

Project Number: 0615	Load Number: 3
Consultant: Teraquest	Contact: Jonathan Gibbs 919 563-9091
Generator: Page B Rentals	Contact: George Knight Phone: 973 953-6547
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr Carrboro NC
Truck #: F-4	Gross Weight: 54520
	Tare Weight: 22560
	Net Weight: 31960
	15.98

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gibbs of Teraquest for Page B. Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-30-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLTER 31798
VALID UNLESS SIGNED

32 ID. NO.

57980 lb GR
22560 lb TR RECALLED
35420 lb NT

06/30/15 10:32

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 4
Consultant: Terraquest	Contact: Jonathan Gubbs 919 563-9091
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6549
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Healy 0:1	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight: 57980
	Tare Weight: 22560
	Net Weight: 35420
	17.71 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gubbs of Terraquest for Page B Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/2015
Drivers Signature Date

Noted Discrepancies: _____

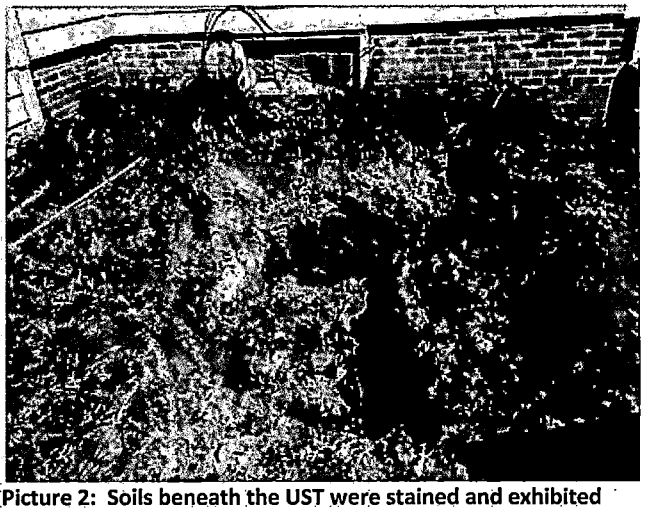
Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Franklin Holder Date: 6-30-15

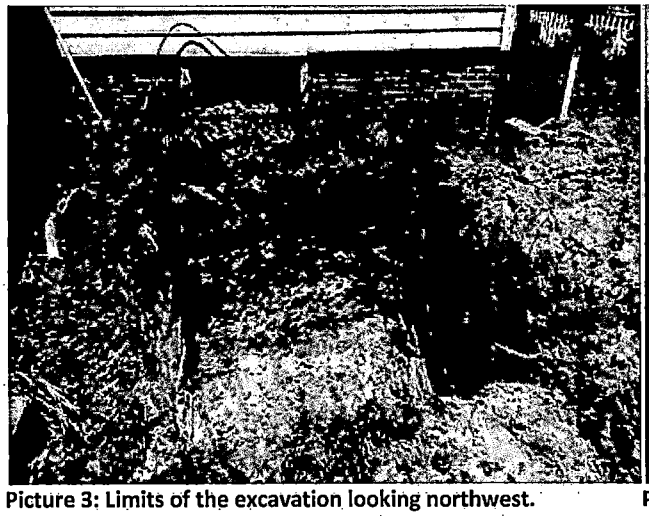
APPENDIX B



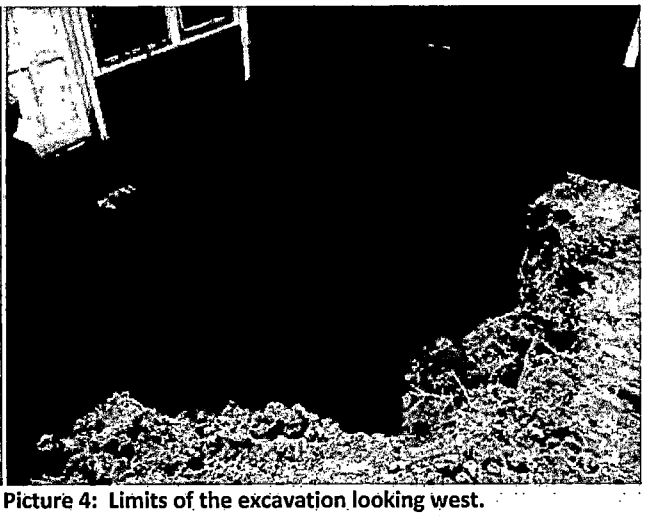
Picture 1: The UST at 124 Estes Drive Ext. contained numerous holes along the bottom, sides, and seams.



Picture 2: Soils beneath the UST were stained and exhibited a petroleum odor.



Picture 3: Limits of the excavation looking northwest.



Picture 4: Limits of the excavation looking west.

APPENDIX C

TECHNICAL METHODS/STANDARD PROCEDURES

Equipment Decontamination

All soil sampling equipment utilized during site assessment activities is decontaminated according to standard and accepted protocol. Cleaning solutions range from clean potable water to acidic solutions or organic solvents depending on the contaminants present at the site. Equipment utilized at sites, such as hand augers, contaminated with petroleum hydrocarbons, is generally decontaminated with a low-sudsing detergent such as Luiquinox® and triple rinsed with distilled water. Larger equipment, such as drill rigs and associated tools, is steam cleaned. All decontamination procedures are completed within an established decontamination area which is located away from the active study area. Frequency of equipment decontamination depends on the nature of work being performed, but in no case is decontamination performed less frequently than once per test (i.e., soil boring, well installation, sample collection, etc.). Equipment blanks are collected as a quality control measure when required by job specifications.

Soil Boring Installation

Soil borings are completed using hand-operated sampling tools, truck-mounted drills, or Geoprobe® drilling rigs depending on the depth of sample collection and other site-specific conditions. Hand operated stainless-steel bucket augers are utilized to collect soil samples at regular intervals to determine site stratigraphy and to test for the presence of volatile organic compounds. Samples retrieved from the hand auger are necessarily disturbed during the augering process, but can provide accurate information on soil type and contaminant concentrations when properly interpreted. Soil samples from hand augered borings are generally retrieved at one to two foot intervals.

Truck-mounted or Geoprobe® drilling equipment is often utilized when sample retrieval depths exceed twenty feet or subsurface conditions prevent utilization of hand augers (i.e., buried rocks, wood, bricks or other materials occur in the subsurface). Truck-mounted drilling rigs usually retrieve soil via a hollow-stem auger/split spoon collection method. Geoprobe® rigs usually employ a Macro-Core® tube retrieval system.

Hollow stem augers provide relatively undisturbed 2-foot cores of soil samples. Soil samples are generally collected at five foot intervals utilizing standard penetration test procedures as defined by the American Society for Testing and Materials (ASTM) or are pushed to the desired depth using the head of the drill rig. The standard penetration test involves driving a 2" outside diameter by 1-3/8" inside diameter split-spoon sampler a minimum distance of one foot with a 340-lb. slide hammer falling a distance of 30 inches.

A Geoprobe® rig is a hydraulically-powered soil probing machine. The probe utilizes static force and percussion to advance a small diameter sampling device into the subsurface. The sampling apparatus provides relatively undisturbed 5-foot cores of soil samples. Soil samples are collected

continuously. The Macro-Core® tube contains an inserted poly-vinyl chloride (PVC) liner which retains the soil sample as the tube is driven into the ground. The Macro-Core® tube is decontaminated between each 5-foot sample interval in a soil boring using a Liquinox and tap-water mixture. A new PVC liner is used to collect soil from each sample interval in a soil boring.

Soil samples retrieved from the hollow-stem augers or Geoprobe are then carefully described according to the Unified Soil Classification System. Soil descriptions are recorded on a soil boring log.

Soil Sampling

Soils to be analyzed by a North Carolina-certified laboratory are prepared according to the specified analytical method. Initially, soil samples are removed from the ground using either a hand auger, backhoe bucket, spilt spoon auger, or a Macro-Core® sampling tube. During the removal, care is taken to keep the disturbance of the soil structure to a minimum to reduce the loss of contaminants. Once removed, the samples are placed in the proper sample container for the specified analytical method. For samples collected for the MADEP VPH and 8260 method, a TerraCore® sampler is used to collect three 5-gram allotments of soil. All three allotments are placed in methanol-preserved 40 mL vials. Also, two 5-gram allotments of soil are placed into sodium bisulfate-preserved 40 mL vials (5-gram each vial) for the 8260 low concentration method. A 250-mL glass jar of the sampled soil is also collected to provide moisture content information. Soils sampled for MADEP EPH, EPA Methods 8270 and TPH 5030 and 3550 are placed in a 250-mL glass jar. TPH 5030 samples are preserved in methanol similar to the 8260 analysis. Field personnel wear new, disposable latex gloves during the collection of each sample.

The soil samples are labeled with the sample location, sample identification, date and time of collection, and the analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

If the soil is being sampled for volatile or semi-volatile compounds, a portion of the collected soil is placed in a sealable bag and screened for volatile organic vapors. Head screening procedures are described in the following paragraph.

Headspace Screening

Collected soil samples are routinely tested for the presence of volatile organic compounds (VOCs). After retrieval from the ground, a portion of a soil sample is placed in a sealable plastic bag. The soil samples are then set aside for approximately five minutes so that volatile constituents present in the sample can reach equilibrium concentrations with headspace gases in the bag. Once a suitable time period has passed, the probe of the sampling instrument, typically an Organic Vapor Monitor (OVM) or a Photo Ionization Meter (PID), is inserted into the bag and the relative concentration of total VOCs is measured and permanently recorded in a field note book. VOC concentrations are measured using either a Thermo Electron Corp. Innova Series catalytic OVM or

an Ion Science PhoCheck PID. Both the OVM and PID instrumentation are periodically calibrated according to the manufacturer's recommended procedures.

The OVM and PID are qualitative tools employed to detect and estimate the concentration of organic or hydrocarbon vapors. A thin probe is inserted through a small break in the seal of a bagged soil sample. For the OVM, an air sample from the headspace of the bag is drawn through the probe into an internal chamber where the vapors are catalyzed. The concentration of the VOCs is registered on a digital scale in parts per million (ppm). For the PID, an air sample from the headspace of the bag is drawn across the face of a lamp causing the sample to emit photons, the presence of which are converted into a VOC ppm reading that is displayed. Oxygen levels are field calibrated prior to each use. VOC calibration occurs periodically depending upon use by using a span gas of known concentration in a process recommended by the manufacturer.

Well Installation/Construction

Monitoring wells are installed using hand-operated sampling tools, a truck-mounted drill rig, or a Geoprobe drilling rig depending on the depth of well and other site-specific conditions. All monitoring wells are installed according to the requirements of 15A NCAC 2C-Well Construction Standards. Specifically, individual monitoring wells are constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad is installed for each well.

Type II Monitoring Well Construction

Single-cased monitoring wells are generally used in delineation of groundwater quality within the surficial aquifer. The wells are constructed of 2-inch diameter, schedule 40 PVC casing and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Type III Monitoring Well Construction

Double-cased monitoring wells are used in the delineation of groundwater quality within a deeper portion of the surficial aquifer or an additional aquifer (e.g. aquitard, bedrock). A four to six-inch outer casing is installed through the surficial aquifer until a sufficient depth or until the deeper aquifer is encountered. The casing is secured with a Portland-grout collar that is tremmied into

the annular spaced from the bottom of the bore hole to the surface. Once the grout has sufficiently cured, the bore hole is continued through the bottom of the outer casing to a depth approximately 15 - 20 feet beneath the outer casing. The inner casing is constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 5 to 10 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with the same Portland grout mixture used in the outer casing. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Well Development

Following installation of each well, surging and pumping or bailing techniques will be used to remove fines from the screened interval. Groundwater is removed from each well until clear water is retrieved or a noticeable reduction in the amount of silt is achieved. Purged groundwater is disposed of in an environmentally safe manner.

Groundwater Sampling

Petroleum Sites

Groundwater samples are collected from temporary or permanent monitoring wells according to established sampling protocol. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known. When permanent monitoring wells for petroleum sites are sampled, the well is purged of a minimum of three well-bore volumes prior to sample collection in order to assure that sampled water is representative of aquifer conditions. In temporary wells, the first water which migrates into the open borehole is sampled. Samples from both temporary and permanent monitoring wells are collected using individually wrapped disposable polyethylene bailers by field personnel wearing disposable latex gloves. Only one well is sampled with a given bailer in order to prevent sample cross-contamination. During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different samples to reduce the chance of cross-contamination. Water samples are transferred from the bailer to laboratory-prepared sampling containers using slow emptying devices to reduce the chance of contamination loss through volatilization. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Other Groundwater Sampling Protocols

When required by state or federal regulations, low-flow groundwater sampling procedures are instituted. Groundwater samples collected in low-flow situations are collected using a peristaltic pump. A peristaltic pump is a type of positive displacement pump. The fluid is contained within a flexible tube fitted inside a circular pump casing. A rotor with a number of rollers attached to the external circumference compresses the flexible tube. As the rotor turns, the part of tube under compression closes thus forcing the fluid to be pumped to move through the tube. Groundwater parameters such as water level drawdown, pH, conductivity, dissolved oxygen (DO) and turbidity. Pumping rate, drawdown, and the time or volume required to obtain stabilization of parameter readings can be used as a future guide to purge the well. Measurements are collected at a pre-pumping established interval (typically five to ten minutes). Once all or a majority of the parameters have stabilized for three successive readings, stabilization has been achieved. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity, and turbidity or DO. Three successive readings should be within ± 0.1 for pH, ± 3% for conductivity, and ± 10% for turbidity and DO.

Upon parameter stabilization, sampling is initiated. Sampling flow rate is maintained at the established purge rate or is adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. The same device used for purging is used to collect the groundwater sample. Generally, volatile parameters are sampled first. The sequence in which samples for inorganic parameters are collected is not determined unless filtered (dissolved) samples are collected. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different monitoring wells or sampling points to reduce the chance of cross-contamination. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known.

Stockpile Sampling

The number of composite samples collected from a stockpile or a total quantity of excavated soil is based upon the cubic yardage. One composite sample is collected for every 100 cubic yards of contaminated soil excavated. The volume of a stockpile or total quantity of excavated soil is calculated by approximating the general geometry of a stockpile or estimating the capacity of the dump trucks used for hauling. If a stockpile is sampled, a grid pattern is laid out on the stockpile, dividing the stockpile into segments of approximately 200 cubic yards. Two soil borings are

advanced within a grid and three soil samples are collected from each soil boring at various depths. The six soil samples are mixed into a composite sample by a trained TerraQuest technician. If truck loads are sampled, an aliquot sample is collected from the hauling trucks at a frequency based upon the capacity of the hauling trucks.

Aliquots are gently mixed into a composite sample by a trained TerraQuest technician. Every effort is made to minimize the loss of contaminants through volatilization. The composited soil samples are jarred in the appropriate laboratory-prepared containers, labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, and the preservative. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Surface Water Sampling

Surface water samples, specifically samples from creeks or streams, are collected from a moving/flowing portion of the creek or stream to ensure that stagnant water is not collected. Field personnel are careful to collect samples from flowing areas that are not so turbulent as to cause a loss of volatile contaminants which might have been contained in the creek's/stream's water. Samples are collected by field personnel wearing disposable latex gloves. Field personnel change gloves between different locations to reduce the chance of cross-contamination. Samples are collected directly from the appropriate creek or stream location and placed into the appropriate laboratory-prepared containers. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are cooled on ice to approximately four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Potable Well Sampling

Groundwater samples from potable wells are collected from sampling points, typically spigots, located in the closest proximity to the potable well pump house as possible. Prior to sample collection, the water is run for a sufficient amount of time to purge the bladder tank and assure that sampled water is representative of aquifer conditions. Once purged, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers and the appropriate acid preservatives are added if preservation of the sample is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Public Water Supply Line Sampling

Groundwater samples from public water supply lines are collected from sampling points, typically spigots. To sample the spigot, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers. The samples are labeled with the sample location, sample identification, date of collection, time of collection, and required analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Air Sampling

Air samples are collected with the aide of a manually operated MityVac® pump manufactured by Pristech, Inc. The air sampling process begins by connecting a length of rubber hose from the MityVac® pump to the port to be sampled, or by hanging the hose inside of an emissions stack in such a manner as to ensure no outside air causes dilution. Another length of hose is fixed to the outlet port of the pump and is connected to a new Tedlar bag. Once the pump is hooked up, a valve on the Tedlar collection bag is opened and air is manually forced into the bag by the pumping action of sampling personnel.

Field Measurements

Field measurements taken to determine the pH, conductivity, temperature, and dissolved oxygen concentration of a particular groundwater sample are taken directly after a particular monitoring well has been adequately purged. This ensures that the groundwater parameter data collected is representative of the aquifer conditions at a given location. Once purging of the monitoring well is complete, the decontaminated probe head and cord of the appropriate unit is lowered into the required monitoring well. If the depth to water in a specific monitoring well is greater than the length of cord for a particular unit, a new, disposable bailer is slowly lowered into the appropriate monitoring well and a representative groundwater sample is retrieved. A slow pouring device is fitted onto the end of the disposable bailer and the sample is slowly poured into a new, disposable plastic cup. Groundwater parameter data are then collected from the groundwater in the cup using the required unit.

For pH, conductivity, and temperature, a Hanna Instruments Model 991300 portable meter is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves lowering the meter's probe into the new, disposable cup containing the groundwater sample to be measured and slowly stirring the probe to force groundwater across the probe's membrane. The measurements displayed by the meter are then recorded.

For dissolved oxygen concentration measurements, a YSI® Model 55 Handheld Dissolved Oxygen System is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves adjusting the unit for the correct altitude where the sampling will take place and adjusting the reported units desired. Once this is done, the unit's probe is inserted into the groundwater sample to be measured and the probe is slowly stirred to force the groundwater across the probe's membrane. The measurements displayed by the unit are then recorded.

For turbidity measurements, a Hach 2100P Portable Turbidity meter or equal equivalent is utilized. The unit is calibrated prior to use in accordance with the unit's operations manual by field personnel. Groundwater samples are collected in glass containers for measurement by the instrument. The glass containers are washed with bottled-water between each measurement collection. Once the sample is collected and inserted into the instrument, the measurements displayed by the instrument are then recorded.

APPENDIX D

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

July 15, 2015

Mark Powers
NCDWM-UST Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

RECEIVED
SEP 10 2015
NC DENR Raleigh Regional Office

Re: 20-Day Report Letter
Page B. Rentals, LLC Property
124 Estes Drive Ext.
Carrboro, NC 27510
Terraquest Project Number: 04615
NCDWM-UST Incident No.: 39750

Dear Mr. Powers:

Terraquest Environmental Consultants, P.C. (Terraquest) has completed this 20-Day Report letter summarizing the discovery of a release of heating oil discovered from a 550-gallon heating oil underground storage tank (UST) located at 124 Estes Dr. Ext. in Carrboro, NC. Previously, on June 22, 2015, a Notice of Residual Petroleum (NORP) had been filed with the Orange County Register of Deeds. The NORP was filed under the previous property owner's name (Robertson). The release incident currently has a NCDWM-UST Release Incident Number of 39750. The purpose of this letter is to document the preliminary assessment and remedial activities performed at the residence by Terraquest. The attached Figure 1 depicts the location of the property.

On June 29, 2015, Terraquest personnel determined the location of the UST to be off the northern side of the residence. The UST was buried approximately 16 inches below ground level (BGL). Prior to the UST removal, the UST was gauged for residual liquid. Approximately 3 inches of residual liquid composed of water remained in the UST. Prior to the UST removal, the residual liquid was removed from the UST by Zebra Industrial of High Point, NC and disposed of offsite. After removal of the UST, Terraquest personnel noted the UST had numerous holes throughout the sides, seems, and bottom of the UST. A heating oil odor and grey staining were noted in the soils underlying the UST. Terraquest personnel identified a yellowish-orange/grey sandy lean clay with fine sand from 0.5 feet to 6 feet BGL and a yellowish-orange saprolite with the soil characteristics of a sandy clay/clayey sand from 6 feet to 12.0 feet BGL. Terraquest personnel collected a soil sample (B1) immediately beneath the UST to document the release incident at a depth of 6.0 feet BGL.

Using standard North Carolina Division of Waste Management - UST Section (NCDWM - UST) soil sampling protocol, the B1 soils were placed in laboratory-prepared containers and labeled with the sample identification, sample analytical method, and sample time. The soil sample was placed on ice pending transportation to a North Carolina-certified environmental laboratory within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for the collected

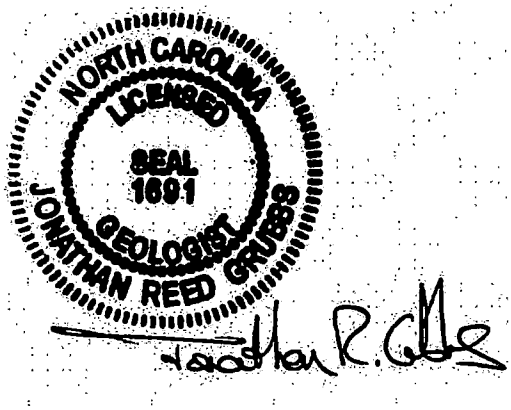
sample. Since the UST was used to store heating oil, the soil sample was analyzed for heating oil petroleum constituents by EPA Method 8015 using extraction method 3550 (heating oil) and sample preparation method 5030 (gasoline). The B1 soil sample analytical results revealed the presence of heating oil contamination at concentrations greater than the NCDWM-UST action limits of 10 milligrams per kilogram (mg/kg). The analytical results are summarized in the attached Table 1.

Terraquest supervised the excavation of contaminated soils beneath the UST. Soil excavation continued until either the odor and/or staining dissipated. After all of the soil contamination was excavated, soil samples were also collected from the base and sidewalls of the limits of the final excavation for analysis by EPA Methods 8260 + MTBE + IPE and 8270 and Massachusetts Department of Environmental Protection VPH/EPH. The soil excavation and limit of excavation soil sampling activities will be summarized in the Initial Abatement Action Report to be submitted to the NCDWM-UST.

Under current NCDWM-UST UST Closure Guidelines (Section 4.2), the suspected release incident from the non-commercial UST was reported to the Raleigh Regional Office of the NCDWM - UST Section on a previous date by telephone. A copy of the 24-Hour Reporting Form is attached. If you have any questions regarding this letter, please call me at (919) 563-9091.

Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jonathan R. Grubbs, P.G.
Vice President

Attachments
Table 1: Summary of Soil Sampling Results
Figure 1: Site Location Map
Figure 2: Site Layout and Closure Soil Sample Location Map
Analytical Results
24-Hour Reporting Form

Table 1 SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15 Incident Name: Page B. Rentals, LLC Property - 124 Estes Dr Ext. Incident No.: 39750 Facility ID No.: NA

		Analytical Method	5030/GRO	3550/DRO
		Contaminant of Concern	TPH high fraction	TPH low fraction
Sample ID	Date Collected	Sample Depth		
B1	6/23/15	6.0'	**34**	**924**
		TPH Action Level	10	10

Notes:

1. All results in mg/kg.
2. < - denotes less than sample detection limit.
3. Bold denotes a sample detection. Shading denotes a TPH Action Level violation.
4. "X" = In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

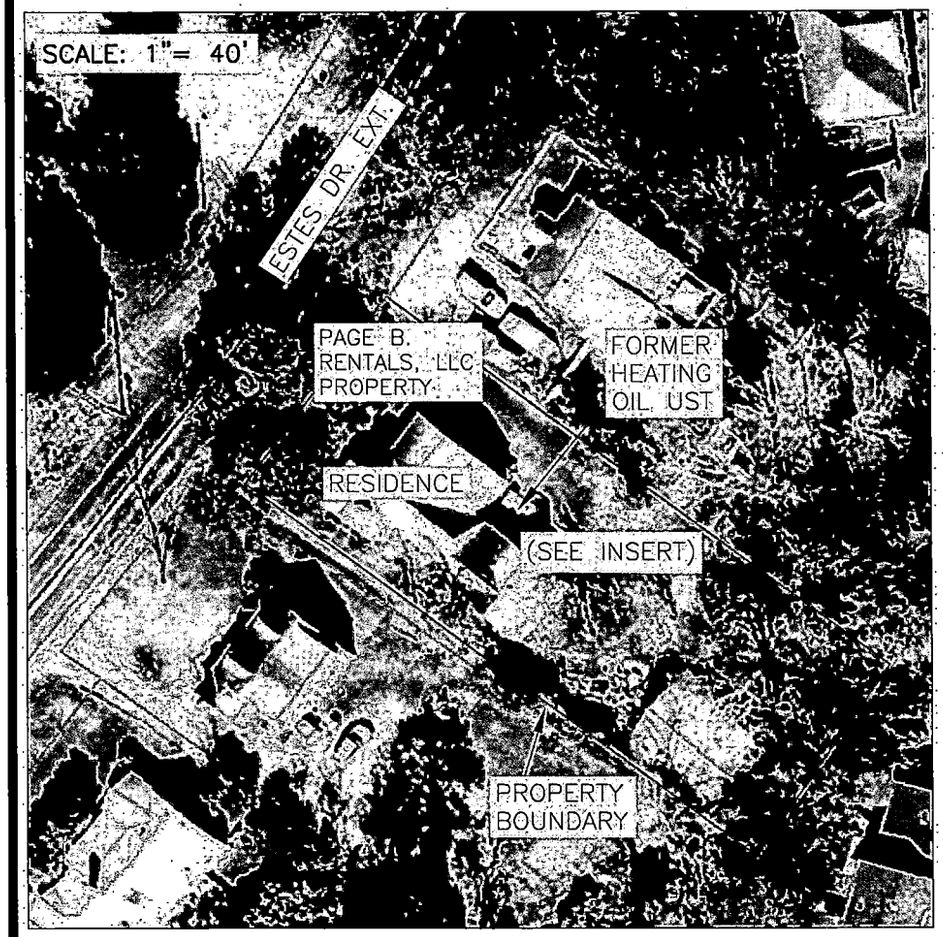
PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

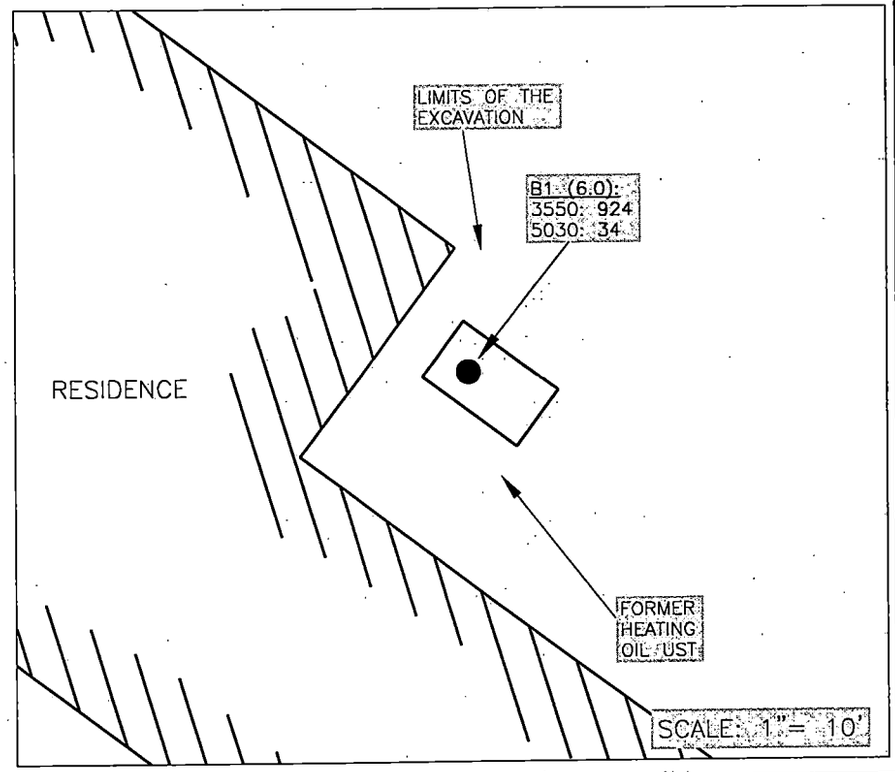
LEGEND

● SOIL SAMPLE LOCATION

SOIL SAMPLE B1 ANALYZED BY TPH DRO (3550) & TPH GRO (5030)

RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).





SITE LAYOUT &
CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client





6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

XENCO Laboratories
Florida Testing Services, LLC

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories
Florida Testing Services, LLC

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

XENCO Laboratories
Florida Testing Services, LLC

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **B1 (6.0)** Matrix: Soil Date Received:07.01.15 10.01
Lab Sample Id: 510685-001 Date Collected: 06.29.15 09.45 Sample Depth: 6.0 ft

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Tech: VBR % Moisture: 39.54
Analyst: CLAR Date Prep: 07.01.15 10.15 Basis: Dry Weight
Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Tech: ZHO % Moisture: 39.54
Analyst: ZHO Date Prep: 07.01.15 18.28 Basis: Dry Weight
Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Terraquest Environmental Consultants, P.C.
Address: 100 E. Ruffin Street, Mebane, NC 27302
Results Sent to: Jonathan R. Grubbs
Email address: jrgrubbs@terraquestpc.com
Contact Phone #: 919-563-9091 Cell#: 919-906-0707
Project Name (Site): 124 Estes Dr. Carrboro NC
Project Number (ID): 04615
Regulatory Program: NCDWM-UST

Receiver's Initials/Temp: ____ / 1.4°C
Custody Seal(s): ___ Y N Lab Work Order # 510685
P.O.# (if required): 04615
Field Comments / Lab Precautions:

Sampler(s): (signature) Jonathan R Grubbs
Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Container Type:	VC	GA	VC	GA	VC	GA											
								Chemical Preservation Code:	7	7	7	7	7												
								Analysis Requested	TPH 8030	TPH 3550	8260	8270 BNA	VPH	EPH											
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3		X	X															
2	SW1 (6-7)	6-7	6/29/15 1102	S		X	6				X	X	X	X											
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6				X	X	X	X											
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6				X	X	X	X											
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6				X	X	X	X											
6	BE1 (12.0)	12.0	6/29/15 1500	S		X	6				X	X	X	X											
7	Trip Blank	—		GW			1																		
8																									
9																									
10																									

1) Relinquished By:	Date / Time	2) Received By:	Date / Time	Delivered by: (Circle One)
Jonathan R. Grubbs	6/30/15 1310	Received	07/01/15 10:01	(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:	Date / Time	4) Received By:	Date / Time	Turnaround Time (business days)
5) Relinquished By:	Date / Time	6) Received By:	Date / Time	TAT Starts when samples are rec'd by 2PM

___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

UST-61 — 24-Hour Release and UST Leak Reporting Form.

For Releases in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release

(DWM USE ONLY)
Incident # _____ Risk (H,I,L,U) _____
Received On _____ Received By _____
Reported by (*circle one*): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination ?(Y/N) Y
Samples Taken?(Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest Thickness _____

Facility ID Number NA
Date Leak Discovered 7/8/15 (Lab)
Comm/Non-Commercial? Non-Comm.
Reg/Non-regulated? Non-Reg

INCIDENT DESCRIPTION

Incident Name: Page B. Rentals, LLC Property (Formerly Robertson Property Incident # 39750)

Address: 124 Estes Drive Extension — County: Orange

City/Town: Carrboro — Zip Code: 27105 — Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 35.919460 N Longitude (decimal degrees) : -79.072649 W

Obtained by:
- ☐ GPS
- ☐ Topographic map
- ☑ GIS Address matching
- ☐ Other
- ☐ Unknown

Describe location:

Briefly describe suspected or confirmed release: *(including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)*

Release detected during the removal of a heating oil UST
The date and amount of the release is unknown.
No free product was detected during the boring

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Release Detection Equipment or Methods
- ☑ During UST Closure/Removal
- ☐ Property Transfer
- ☐ Visual/Odor
- ☐ Water in Tank
- ☐ Water Supply Well Contamination
- ☐ Groundwater Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release *(Check one to indicate primary source)*
- ☑ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other
- ☐ Unknown

Definitions presented on reverse

Cause of Release *(Check one to indicate primary cause)*
- ☐ Spill
- ☐ Overfill
- ☑ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Install Problem
- ☐ Other
- ☑ Unknown

Definitions presented on reverse

Type of Release *(Check one)*
- ☑ Petroleum
- ☐ Non-Petroleum
- ☐ Both

Location *(Check one)*
- ☐ Facility
- ☑ Residence
- ☐ Other

Product Type Released *(Check one to indicate primary product type released)*
- ☐ Gasoline/ Diesel/ Kerosene
- ☑ Heating Oil
- ☐ Other Petroleum Products
- ☐ Metals
- ☐ Other Inorganics
- ☐ Other Organics
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☐ E10 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ E01 – E09

Ownership
1. Municipal 2. Military 3. Unknown (4. Private) 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. (Residential) 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes 2. No 3. (Unknown)

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: (*Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary*)

1.
2.
3.

UST SYSTEM OWNER

UST Owner/Company

Point of Contact		Address	
City	State	Zip Code	Telephone Number

UST SYSTEM OPERATOR

UST Operator/Company		Address	
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner		Address	
Page B Rentals, LLC c/o George Knight		1249 Kildaire Farm Road	
City	State	Zip Code	Telephone Number
Cary	NC	27511	

Draw Sketch of Area (showing two major road intersections) or Attach Map

See Attached Figure

Person Reporting Incident Jonathan Grubbs	Company TerraQuest Environmental Consultants, P.C.	Telephone Number 919-563-9091
Title Vice President	Address 100 East Ruffin St. Mebane, NC 27302	Date 7/15/15

Definitions of Sources

Tank: means the tank that stores the product and is part of the underground storage tank system

Piping: means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

Submersible Turbine Pump (STP) Area includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill: use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser)

Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)

Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

Other: use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells)

Unknown: use when the cause has not been determined



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

INC#39760 MRP

COPY

NOTICE OF RESIDUAL PETROLEUM

Charles and Frankie Robertson Property, Orange County, North Carolina

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and/or discharged at the Site. **Petroleum constituents remain on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, are strictly complied with.** This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum, and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the Orange Register of Deeds' office Book ____, Page ____.

Source Property

Charles Robertson of Mebane, NC is the owner in fee simple of all or a portion of the Site, which is located in the County of Orange, State of North Carolina, and is known and legally described as:

All that certain lots or parcels of land situated, lying and being on the East side of Hillcrest Street in the Town of Carrboro, N.C. and known and designated as Lots Nos. 43, 44 and 45 in Block A of the subdivision of the W.G. Fields property as surveyed by J. Ralph Weaver, Registered Surveyor on May 23, 1939 and more particularly described as BEGINNING at a stake in the East property line of the said street the northwest corner of Lot No. 42; running thence with the line of the said lot South 58 deg. East 214 feet to a stake in T.C. Lindsey's line; running thence with the said Lindsey's line North 35 deg. 45 min. East 75 feet to a stake, the Southeast corner of Lot No. 46; running thence with the line of the said lot North 58 deg. West 214 feet to a stake in the East property line of the said street; running thence along the East property line of the said street South 40 deg. 20 min. West 75 feet to the BEGINNING and being a part of the same land conveyed to W.B. Glenn by deed of W.G. Fields and wife, dated June 3, 1946 and recorded in the

land conveyed to W.B. Glenn by deed of W.G. Fields and wife, dated June 3, 1946 and recorded in the Office of the Register of Deeds of Orange County in Book 124 at page 84, and also being the same lands conveyed to J. H. Robertson and wife, Kathleen Robertson by W.B. Glenn and wife, Mary S. Glenn by deed recorded in Book 131, Page 307, Orange County Registry.

PERPETUAL LAND USE RESTRICTIONS

Soil: *Soil containing residual petroleum, above applicable regulatory standard(s), remains on the site at/within/etc. In the vicinity of the underground storage tank that is located off the northern side of the main residential structure. No soil shall be excavated or disturbed, within 5 feet of the underground storage tank that is located off the northern side of the main residential structure, except to remediate the soil in accordance with all applicable state and federal statutes, regulations and guidelines.*

Groundwater: *Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.*

ENFORCEMENT

The above land use restriction(s) shall be enforced by any owner, operator, or other party responsible for the Site. The above land use restriction(s) may also be enforced by DENR through any of the remedies provided by law or by means of a civil action, and may also be enforced by any unit of local government having jurisdiction over any part of the Site. Any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF, _____ has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this _____ day of _____, 2015.

By: Charles Glenn Robertson
land owner

Signatory's name typed or printed: Charles Glenn Robertson

NORTH CAROLINA
Alamance COUNTY

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Charles Glenn Robertson

Date: 6/19/2015

(Official Seal)

HOPE WALKER HODGES
NOTARY PUBLIC
ALAMANCE COUNTY, NORTH CAROLINA

Hope Walker Hodges
~~Hope W Hodges~~ pwh
Hope Walker Hodges
Notary Public

My commission expires: July 31, 2016

Revised January 15, 2013

Approved for the purposes of N.C.G.S. 143B-279.11

Mark R Powers

Mark Powers, Regional Supervisor
RALEIGH Regional Office

UST Section
Division of Waste Management
Department of Environment and Natural Resources

NORTH CAROLINA
Wake COUNTY

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Mark Powers *(full printed name of Regional Supervisor)*

Date: 6/22/15

(Official Seal)

MEGAN N. WEBSTER
NOTARY
PUBLIC
ALAMANCE COUNTY, NC

Megan N. Webster
(signature of Notary Public)
Megan N. Webster
(printed or typed name of Notary Public)
Notary Public

My commission expires: June 19, 2016

CLARK,

NRP COPY FOR THE FILE. (REAL ESTATE TRANSFER)

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr., Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wipfield, approve the further excavation of 15 ~~tons~~ ~~cubic yards~~ of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraques +, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL morexcvtn LTR1114.dot

RICHARD BIRCHER
ATTORNEY AT LAW

SUITE D-2 CARR MILL MALL
P. O. DRAWER 338
CARRBORO, NC 27510

TELEPHONES
OFFICE (919) 967-9278
CELL (919) 260-2969
FAX (919) 967-9278
RESIDENCE (919) 929-7363

EMAIL: richbircheratty@bellsouth.net

March 13, 2015

Frankie W. Robertson
C/O Beth Freeman
PO Box 3
Efland, NC 27243

Charles G. Robertson
9419 Morrow Mill Road
Mebane, NC 27302

Re: Peter Gillis; Contract to purchase 124 Estes Drive, Carrboro, NC

Dear Ms. Robertson and Mr. Robertson:

I represent Mr. Gillis in regard to this contract. This is to notify you that my client has elected to terminate the contract as of the above date, which is prior to the due diligence date of March 30, 2015 set out in para 1 (j) on page 2 of the contract. Pursuant to the terms of the contract, Mr. Gillis is entitled to the return of his $2,000.00 earnest money.

The due diligence inspections performed by Mr. Gillis revealed the presence of a large underground oil tank on the property and possible contamination caused by leaking from the tank. The cost of determining the extent of the contamination, if any, and the cost of cleaning it up are unknown and potentially substantial.

Mr. Gillis is still interested in purchasing the property, but would enter into a new contract only on the following conditions: 1. the cost of the testing of the substance contained in the oil tank would have to be paid by you. I have enclosed a copy of the invoice for the test. The results of the test will not be provided to Mr. Gillis until the $500.00 cost is paid. 2. You would have to agree in any such contract to pay the cost of all necessary clean-up and restoration of the property. A new contract would not be possible until more information about those costs is available. Mr. Gillis would be willing to act as on-site coordinator of the project.

Please take the affirmative steps of paying for the testing and contacting me or Mr. Gillis in order to notify him that you are willing to take the necessary steps to sell your property.

Sincerely,

Richard Bircher
cc: Peter Gillis

Sensible Solutions Environmental P.C.

Residential Storage Tank Removal & Cleanup 336-263-0965

RECEIVED
MAY 26 2015
NC DENR Raleigh Regional Office

March 24, 2015

Mr. Peter Gillis
124 Estes Drive Ext.
Carrboro, NC 27510
tenntex919@gmail.com

Reference: **Inspection for Leakage from UST**
124 Estes Drive Ext., Carrboro, NC
Project Number : 15-0324-3

Dear Mr. Gillis,

Per your request, today I inspected the soil in the location of the underground storage tank (UST) on the property referenced above. The UST was located on the left side (as facing) of the house. One end of the tank was located at the south end of the above ground storage tank (AST).

Using a hand auger, a borehole was drilled within inches of the eastern end of the UST. The fill dirt surrounding the tank had a strong odor of fuel oil and was heavily stained. The native, undisturbed soil beneath the UST was lightly stained and emitted a moderate odor of fuel oil. Based on my experience (26 years), the petroleum residual concentration in the soil would easily exceed the State Action Limit of 10 parts per million (ppm). I would estimate the residual concentration in the soil to be in the 1,000s of ppm. Therefore, the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM), UST Section will require the tank/property owner to report the leakage and remove the contaminated soil. **In addition, the property title cannot be conveyed, legally, until the leakage is cleaned up to the satisfaction of the State (issuance of a notice of No Further Action) and/or a Notice of Residual Petroleum (NRP) is recorded with the Orange County Register of Deeds pursuant to NCGS 143B-279.9 and 143B-279.11.**

I have prepared the following description and cost estimate for the scope of work necessary to fulfill the requirements in accordance with NCDENR's *Underground Storage Tank Section Guidelines for Site Checks, Tank Closure. and Initial Response and Abatement for UST Releases* (most recent version, dated March 1, 2007 and including up to Change 5, effective December 1, 2013).

Soil Removal (Trust Fund Non-reimbursable Scope of Work)

The anticipated scope of work involves the following:

1. Underground utilities will be located prior to removing the soil.
2. Sensible Solutions will subcontract a qualified soil remediation contractor to remove the contaminated soil from the property.
3. I am on-site to supervise the removal of the soil and to collect soil samples.
4. The excavation pit will be backfilled the same day.

The estimated subcontracted cost to mobilize the excavation equipment and remove and dispose of the tank an its contents will be **$1,700.00**. Additional expenses for soil cleanup and assessment are provided below. Sensible Solutions and its subcontractors cannot be held liable for any damage to the septic tank, which will have to be traversed in order to get to the tank location.

Soil Cleanup, Assessment, and Trust Fund Rates

Note: the State Trust Fund will not pay for the removal and disposal of the tank and fluid.

For cleanup of the leakage, the State Trust Fund reimburses for my time (project management, site supervision, sampling, and report), soil excavation, disposal, backfill, and sample analyses. This scope of work is billed at the Trust Fund-established rates. Sensible Solutions usually achieves 100% reimbursement. However, the Trust Fund is currently without a source of revenue. **According to a recent Trust Fund financial report, the Fund did receive a 3.5 million dollar stipend last year, used to pay claims processed through October 6, 2014. However, the current fund balance is $204,912 with total obligations of $3,220,754. Therefore, and due to the uncertainty of the Fund's solvency, reimbursement of the eligible costs could take up to a year or longer. plus there is no guarantee that the Fund will remain solvent (SSE cannot guarantee the Fund will be able to reimburse, but SSE can guarantee that 100% of the cleanup and assessment costs will be eligible for reimbursement). *In addition, the State has recently enacted a deductible of $1,000.00 plus 10%, not to exceed $2,000.00.***

The goal of the cleanup is to remove the soil having contaminant concentrations that exceed the applicable cleanup levels. Once that is done, the NCDENR, UST Section will issue a notice of *No Further Action* (NFA) to close out the release incident. Sensible Solutions cannot guarantee that closure of the release incident will be obtained, due to the possibility of gross contamination.

Contingencies

1. If groundwater or bedrock is encountered in the excavation, or if petroleum residuals remain in the unexcavated soil at concentrations exceeding the lowest cleanup level (Soil-to-groundwater Maximum Soil Contaminant Concentrations), a second phase of work, known as the Limited Site Assessment (LSA), will be required. A groundwater monitoring well will have to be installed and sampled. Risk assessment activities and another report will be required. This phase of work will add about $5,000.00 to the project costs, all of which should be eligible for reimbursement. Whether or not this phase will be necessary cannot be known until the tank is removed.
2. Also, there is no guarantee that all of the contaminated soil can be removed. Public notice, well abandonment, and deed recordation of land use restrictions (Notice of Residual Petroleum) may be required, all of which is eligible for reimbursement through the trust fund. The Trust Fund allows $1,600.00 for these tasks.

Payment, and Trust Fund Reimbursement

Due to the questionable solvency status of the State's trust fund for leaking USTs, payment for the tank closure, assessment, and cleanup activities will need to be made from an escrow account. The amount to be initially held in escrow would be **$11,065.00** (this cost is based on 35 tons (two large truckloads, which is about all that could be removed) of soil disposed of; this will cover the tank removal and soil cleanup activities only and not the LSA). A deposit into Sensible Solutions Escrow Account (SunTrust) must be made before the field work is begun.

Payment from the account will be set up such that the payment of the invoice for the non-reimbursable work (**$1,700.00**) will be paid within five days of tank removal. At this time, the weight of the soil excavated and disposed of will be known, so that the total for the reimbursable expenses of the project can be calculated. A statement of payment for the non-reimbursable scope of work will be provided, with the calculated total for the reimbursable expenses and the balance. If more than 35 tons of soil are removed and disposed of, an additional deposit to the escrow account will be required before the tank closure report is finalized and released. If less than 35 tons is disposed of, a refund check will be provided with the report.

Payment of the reimbursement-eligible services (soil excavation, transportation, disposal, soil sample analyses, and consulting services) will be invoiced separately. Payment of the balance due will be made upon completion of the tank closure report (within about 2 weeks of soil removal, the soil analytical results will be available, at which time the tank closure report will be completed). A copy of the report will be submitted to the NCDENR, DWM, UST Section

Raleigh Regional Office. Two copies of the report will be provided to client for client's records and use at closing.

Should additional assessment be required after the soil cleanup (i.e. LSA, well abandonment, public notice, deed recordation), additional deposits to the escrow account will need to be made before such work begins.

Sensible Solutions will prepare and submit the trust fund application and claim paperwork on client's behalf after the closure report has been reviewed by the UST Section.

Summary

Leakage from the former UST was confirmed during my inspection of the soil in the former location of the tank. Based on the strength of the petroleum odor in the soil, the contaminant concentration in the soil easily exceeds the State action limit by a considerable amount, thereby requiring soil cleanup and assessment activities. The estimated cost to complete the initial phase of work (tank removal, soil excavation and disposal, backfilling of the pit, soil sample analyses, and consulting/reporting services) is $11,065.00.

An invoice for the soil inspection is attached. Thank you for the opportunity to be of service. I know that all of this can be complicated and confusing, so if you have any questions, please do not hesitate to call me at 336-376-6103 (office/fax) or 336-263-0965 (cell).

Sincerely,

Mark Hosler



Mark Hosler, North Carolina Licensed Geologist, SSE President
P.O. Box 3074, Chapel Hill, North Carolina 27515-3074
mark@sensible-solutions-environmental.com

RECEIVED
MAY 26 2015
NC DENR Raleigh Regional Office

May 21st 2015

To: Whom It May Concern

From: Peter Gillis

I feel it is my civic responsibility to report the Underground Storage Tank referenced in the enclosed sealed document from a North Carolina Geologist who tested the soil for me.

I had to back out from purchasing the property because the owner refused to accept responsibility. The owner's family built the home in 1942 and the tank has been breached for perhaps decades. It appears soil has been dumped in decades ago in a failed attempt to hide the problem also. That is evident looking at the ground elevation. Not natural soil to the area.

The owners plan to find someone else with cash in hand to unload their problem.

I have read the laws and this is just pointblank the wrong thing for them to do.

Thus the reason to inform people that can stop the public from being a victim to this man. He has cost me a very large sum of money and I hate to see it happen to anyone else.

The home is really not safe to live in. The plumbing and electrical services are both defective. Water leaks into the breaker box and sewage builds up in the crawl space basement area. The sump pump has been broken for months and the landlord refused to repair anything after multiple requests.

Sincerely,
Peter Gillis
133A Allendale Dr.
Pittsboro, NC 27312

MAILED

MAY 28 2015

NCDENR

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

May 26, 2015

Attn: Charles G Robertson &
Frankie W Robertson
705 Ashbury Square
Mebane, NC 27302

Re: Notice of Regulatory Requirements
15A NCAC 2L .0404 and 2L .0405
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Robertson Property UST
124 Estes Drive Ext., Carrboro, NC
Orange County
Incident Number:39750
Risk Classification: Pending
Ranking: Pending

Dear Mr. & Ms. Robertson:

Information received by this office of the UST Section, Division of Waste Management, on May 26, 2015 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner or operator of this UST system. Therefore, as a responsible party, you must comply with the initial response and abatement action requirements of Title 15A NCAC 2L .0404 and, if applicable, the assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rules. (Be aware that if the latter rule is applicable, you must comply with its requirements even if you do not receive formal notification from the UST Section.)

Initial abatement action requirements include the preparation and submittal of an Initial Abatement Action (IAA) Report, in accordance with Title 15A NCAC 2L .0404 and the most recent version of the *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases,* within 90 days of discovery of the release.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the UST Section Trust Fund Branch at (919) 707-8171. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely,

Clark Wipfield, L.G.
Hydrogeologist
Raleigh Regional Office
UST Section, Division of Waste Management, NCDENR

Enclosures: Title 15A NCAC 2L .0404 and 2L .0405
A Brief History of North Carolina Session Laws, Rules, and General Statutes...

cc: Environmental Health Director, Orange County Health Department
Mr. Mark Hosler, Sensible Solutions Environmental, P.C.

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

IAA request NOR1114.dot

STATE OF NORTH CAROLINA
Department of Environment and Natural Resources
Raleigh Regional Office

FILE ACCESS RECORD

SECTION UST DATE/TIME 6/10/15 12:41:00
NAME George Knight REPRESENTING Page Rentals

Guidelines for Access: *The staff of the Raleigh Regional Office is dedicated to making public records in our custody readily available to the public for review and copying. We also have the responsibility to the public to safeguard these records and to carry out our day-to-day program obligations. Please read carefully the following before signing the form.*

---

1. Due to the large public demand for file access, we request that you call at least a day in advance to schedule an appointment for file review so you can be accommodated. Appointments are scheduled between 9:00 a.m. and 3:00 p.m on Tuesday Wednesday and Thursday. Viewing time ends at 4:45 p.m. Anyone arriving without an appointment may view the files to the extent that time and staff supervision are available.
2. You must specify files you want to review by facility name or incident number, as appropriate. The number of files that you may review at one appointment will be limited to five.
3. You may make copies of a file when the copier is not in use by the staff and if time permits. Cost per copy is $0.05 cents for ALL copies, front and back will be $0.10 cents per copy. Payment is to be made by check, money order, or cash in the administrative offices.
4. **FILES MUST BE KEPT IN THE ORDER YOU RECEIVED THEM**. Files may not be taken from the office. No briefcases, large totes, etc. are permitted in the file review area. To remove, alter, deface, mutilate, or destroy material in one of these files is a misdemeanor for which you can be fined up to $500.00.
5. In accordance with General Statute 25-3-512, a $25.00 processing fee will be charged and collected for checks on which payment has been refused.
6. The customer must present a photo ID, sign-in, and receive a visitor sticker prior to reviewing files.

	FACILITY NAME		COUNTY
1.	Robertson Property UST	39750	OR
2.			
3.			
4.			
5.			

R George Knight 6/10/15
Signature and Name of Firm/Business / Date

Time In Time Out

Please attach a business card to this form if available

MAILED
SEP 2 5 2015

NCDENR
North Carolina Department of Environment Quality

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

September 23, 2015

Mr. George Knight
Page B. Rentals, LLC Property
1249 Kildarie Farm Road
Cary, NC 27511

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Robertson Property, UST
124 Estes Drive Ext.
Orange County, Carrboro
Incident Number (if applicable): 39750
Risk Classification: Low
Ranking: L0R

Dear Mr. Roberston:

The Initial Action Abatement Report received by the UST Section, Division of Waste Management, Raleigh Regional Office on September 10, 2015 has been reviewed. The review indicates that after soil excavation, soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Mark R. Powers
Hydrogeologist
Raleigh Regional Office

cc: Environmental Health Director, Orange County Health Department
Mr. Jonathan Grubbs, Terraquest Environmental Consultants, P.C.

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 (919) **791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

1) Per 15A NCAC 2P .0402(b)(9), State Trust Fund preapproval is required for all work for which reimbursement will be requested, with the exception of emergency response actions (applied as per 15A NCAC 2L .0404, Initial Abatement Actions, including mitigation of fire, explosion, and vapor hazards) and assessment activities (applied as per 15A NCAC 2L .0405, Limited Site Assessments).

2) Following the submittal of a Limited Site Assessment Report and associated risk classification (15A NCAC 2L .0406), the Department will use Notice of Regulatory Requirements to direct responsible parties of a release to assess and/or remediate contaminated soil and groundwater according to 15A NCAC 2L .0407 based on the site's risk prioritization classification under N.C.G.S. 143-215.94E(e4).

Per N.C.G.S. 143-215.94E(j) and (k), please note that you have one year from task completion (date of report approval by the Regional Office or expiration of the applicable regulatory deadline) or the date of this eligibility determination, whichever comes later, to submit a reimbursement claim. The claim can include costs beginning one year prior to the eligibility application submittal. If a claim is not submitted by the one year statute of limitations deadline, costs may be denied.

Due to the declining balances of the Commercial and Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, reimbursable costs will only be paid as funds become available. As a result, this may delay your reimbursement. However, please note that this does not relieve you of any regulatory responsibility. Therefore, you must continue with all required assessment and/or corrective action, unless the site has received a Notice of No Further Action.

To obtain the latest information on implementation guidance or updated forms, please visit http://portal.ncdenr.org/web/wm/ust/guidance.

Please be aware that this letter does not constitute a final agency decision. Any additional information or comments to rebut this letter may be submitted to my attention at NCDEQ, Division of Waste Management, UST Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Should you require any further assistance, please do not hesitate to call or fax me at (919) 707-8262 or Christina Schroeter at (919) 707-8260.

Sincerely,

Z. Vance Jackson, Jr., PG, CPM
Trust Fund Branch Head
Division of Waste Management, NCDEQ

CGS:39750_124 Estes Dr
cc: Terraquest Environmental Consultants, P.C., 100 East Ruffin Street, Mebane, North Carolina 27302
Raleigh Regional Office
STF

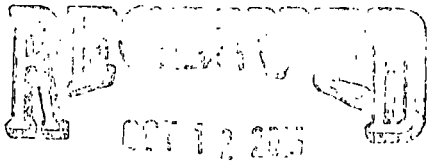
North Carolina Department of Environmental Quality

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

September 28, 2015

Mr. George Knight
Page B Rentals, LLC
1249 Kildaire Farm Road, Suite #159
Cary, North Carolina 27511



NC DENR Raleigh Regional Office

RE: Noncommercial State Trust Fund Eligibility Application
Robertson Property
124 Estes Drive
Carrboro, Orange County, North Carolina
Incident #39750

Dear Mr. Knight:

This letter is to acknowledge receipt of and respond to your request for eligibility determination for access to the North Carolina Leaking Petroleum Underground Storage Tank Cleanup Funds for the above-referenced property. Review of your application by the Underground Storage Tank (UST) Section of the Division of Waste Management is now complete.

Information supplied to the State Trust Fund indicates that one 550-gallon heating oil UST was associated with the above referenced site. A release was detected from the UST on March 24, 2015 during inspection activities. The release was reported to the Raleigh Regional Office on May 26, 2015. No tank operating fees were due, since the UST was nonregulated and noncommercial.

In accordance with North Carolina General Statute (N.C.G.S.) 143-215.94E, the release associated with the UST is conditionally eligible for reimbursement from the Noncommercial Fund for reasonable and necessary costs incurred as a result of any required environmental assessment and cleanup of this site. Per N.C.G.S. 143-215.94D(b1), as revised by Session Law 2013-360, after incurring an initial deductible of $1,000, you will be reimbursed for 90 percent of reasonable and necessary costs between $1,000 and $11,000 (maximum $1,000 co-pay), then you will be reimbursed for 100 percent of approved costs up to $1 million. Please note that Session Law 2013-360 applies to releases discovered or reported on and after August 1, 2013. Releases discovered or reported prior to August 1, 2013 do not have a deductible or co-pay per Session Law 2010-154.

If the site has received a Notice of No Further Action, please note that you do not need to continue with assessment or cleanup activities, and you may disregard the following information in this paragraph. However, if additional activities are required by and in accordance with North Carolina Administrative Code (NCAC) 15A 2L .0106 or 15A NCAC 2L .0115, you must proceed with corrective action in order to remain eligible. Failure to mitigate the spread of contamination may cause you to be determined ineligible to receive reimbursement.

The status of your underground storage tank release assessment or remediation efforts may be affected by the statutory requirements of N.C.G.S. 143-215.94E(e5), as revised by Session Law 2005-365. Subsections (e5)(6) through (e5)(9) of this statute prohibit the Department from pre-approving any work eligible for reimbursement unless the Department determines that sufficient funds will be available to pay the claim within 90 days of final claim approval. To meet the requirements of this law, the Department is requiring the following:

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

July 15, 2015

Mark Powers
NCDWM-UST Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

Re: 20-Day Report Letter
Page B. Rentals, LLC Property
124 Estes Drive Ext.
Carrboro, NC 27510
Terraquest Project Number: 04615
NCDWM-UST Incident No.: 39750

Dear Mr. Powers:

Terraquest Environmental Consultants, P.C. (Terraquest) has completed this 20-Day Report letter summarizing the discovery of a release of heating oil discovered from a 550-gallon heating oil underground storage tank (UST) located at 124 Estes Dr. Ext. in Carrboro, NC. Previously, on June 22, 2015, a Notice of Residual Petroleum (NORP) had been filed with the Orange County Register of Deeds. The NORP was filed under the previous property owner's name (Robertson). The release incident currently has a NCDWM-UST Release Incident Number of 39750. The purpose of this letter is to document the preliminary assessment and remedial activities performed at the residence by Terraquest. The attached Figure 1 depicts the location of the property.

On June 29, 2015, Terraquest personnel determined the location of the UST to be off the northern side of the residence. The UST was buried approximately 16 inches below ground level (BGL). Prior to the UST removal, the UST was gauged for residual liquid. Approximately 3 inches of residual liquid composed of water remained in the UST. Prior to the UST removal, the residual liquid was removed from the UST by Zebra Industrial of High Point, NC and disposed of offsite. After removal of the UST, Terraquest personnel noted the UST had numerous holes throughout the sides, seems, and bottom of the UST. A heating oil odor and grey staining were noted in the soils underlying the UST. Terraquest personnel identified a yellowish-orange/grey sandy lean clay with fine sand from 0.5 feet to 6 feet BGL and a yellowish-orange saprolite with the soil characteristics of a sandy clay/clayey sand from 6 feet to 12.0 feet BGL. Terraquest personnel collected a soil sample (B1) immediately beneath the UST to document the release incident at a depth of 6.0 feet BGL.

Using standard North Carolina Division of Waste Management - UST Section (NCDWM - UST) soil sampling protocol, the B1 soils were placed in laboratory-prepared containers and labeled with the sample identification, sample analytical method, and sample time. The soil sample was placed on ice pending transportation to a North Carolina-certified environmental laboratory within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for the collected

sample. Since the UST was used to store heating oil, the soil sample was analyzed for heating oil petroleum constituents by EPA Method 8015 using extraction method 3550 (heating oil) and sample preparation method 5030 (gasoline). The B1 soil sample analytical results revealed the presence of heating oil contamination at concentrations greater than the NCDWM-UST action limits of 10 milligrams per kilogram (mg/kg). The analytical results are summarized in the attached Table 1.

Terraquest supervised the excavation of contaminated soils beneath the UST. Soil excavation continued until either the odor and/or staining dissipated. After all of the soil contamination was excavated, soil samples were also collected from the base and sidewalls of the limits of the final excavation for analysis by EPA Methods 8260 + MTBE + IPE and 8270 and Massachusetts Department of Environmental Protection VPH/EPH. The soil excavation and limit of excavation soil sampling activities will be summarized in the Initial Abatement Action Report to be submitted to the NCDWM-UST.

Under current NCDWM-UST UST Closure Guidelines (Section 4.2), the suspected release incident from the non-commercial UST was reported to the Raleigh Regional Office of the NCDWM - UST Section on a previous date by telephone. A copy of the 24-Hour Reporting Form is attached. If you have any questions regarding this letter, please call me at (919) 563-9091.

Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jonathan R. Grubbs, P.G.
Vice President

Attachments
Table 1: Summary of Soil Sampling Results
Figure 1: Site Location Map
Figure 2: Site Layout and Closure Soil Sample Location Map
Analytical Results
24-Hour Reporting Form

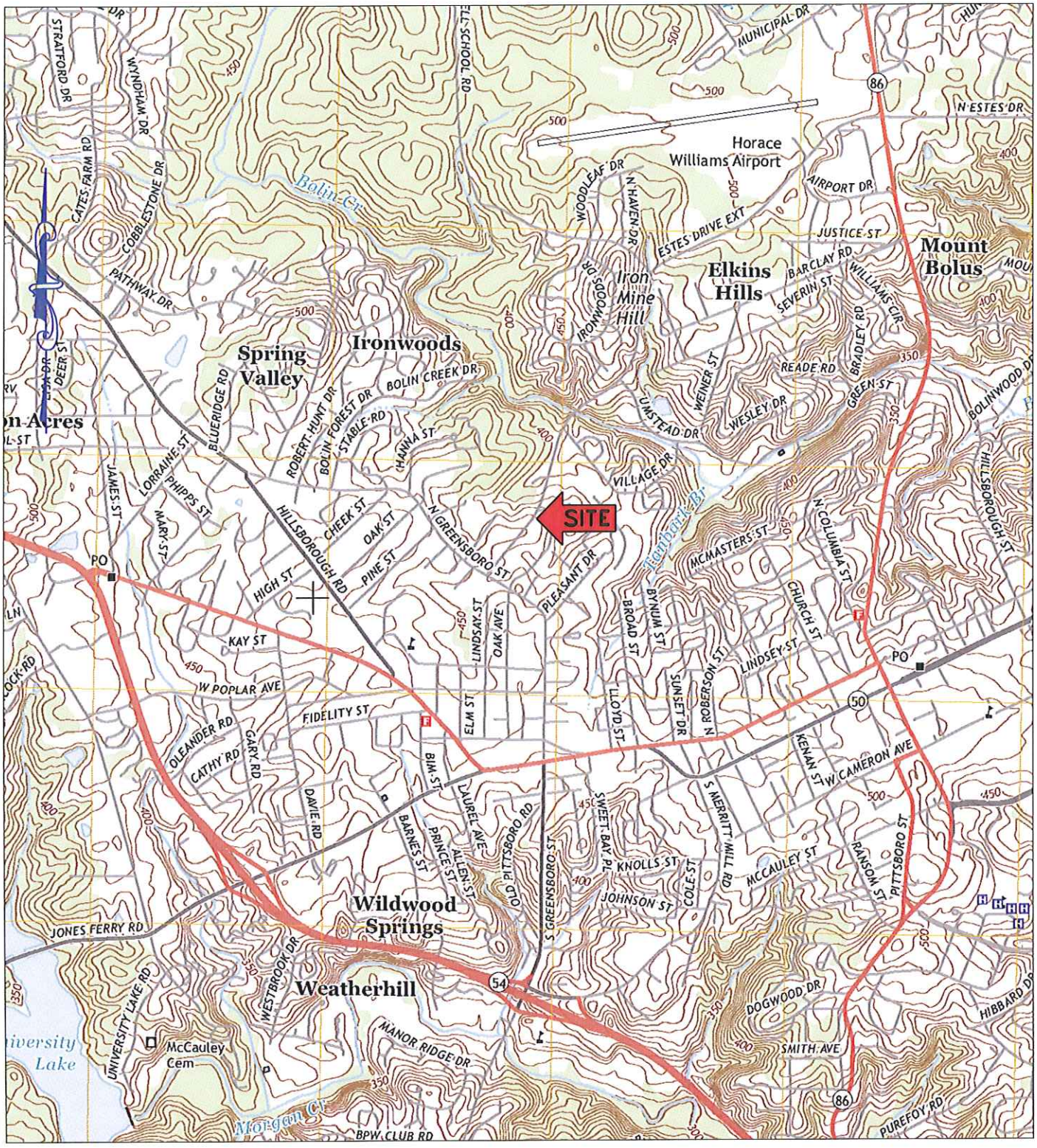
Table 1 SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15 Incident Name: Page B. Rentals, LLC Property - 124 Estes Dr Ext. Incident No.: 39750 Facility ID No.: NA

			Analytical Method	5030/GRO	3550/DRO
			Contaminant of Concern	TPH high fraction	TPH low fraction
Sample ID	Date Collected	Sample Depth			
B1	6/23/15	6.0'		**34**	**924**
			TPH Action Level	10	10

Notes:

1. All results in mg/kg.
2. < - denotes less than sample detection limit.
3. Bold denotes a sample detection. Shading denotes a TPH Action Level violation.
4. "X" = In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

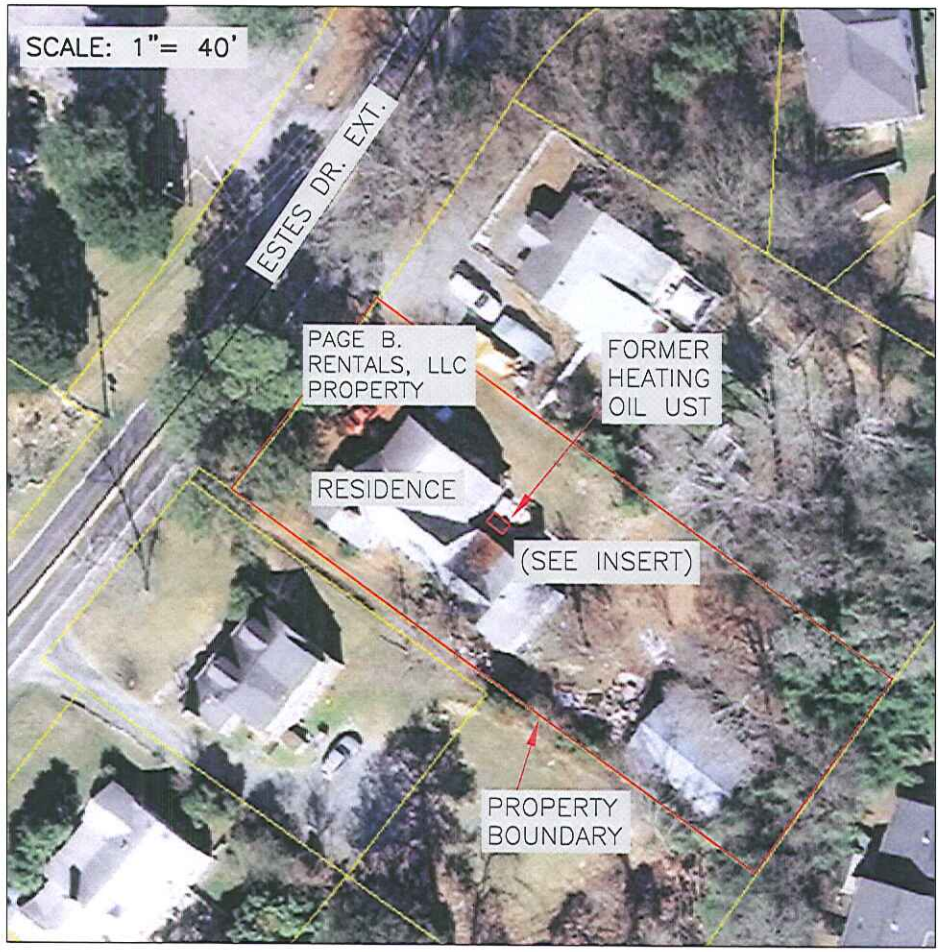
PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

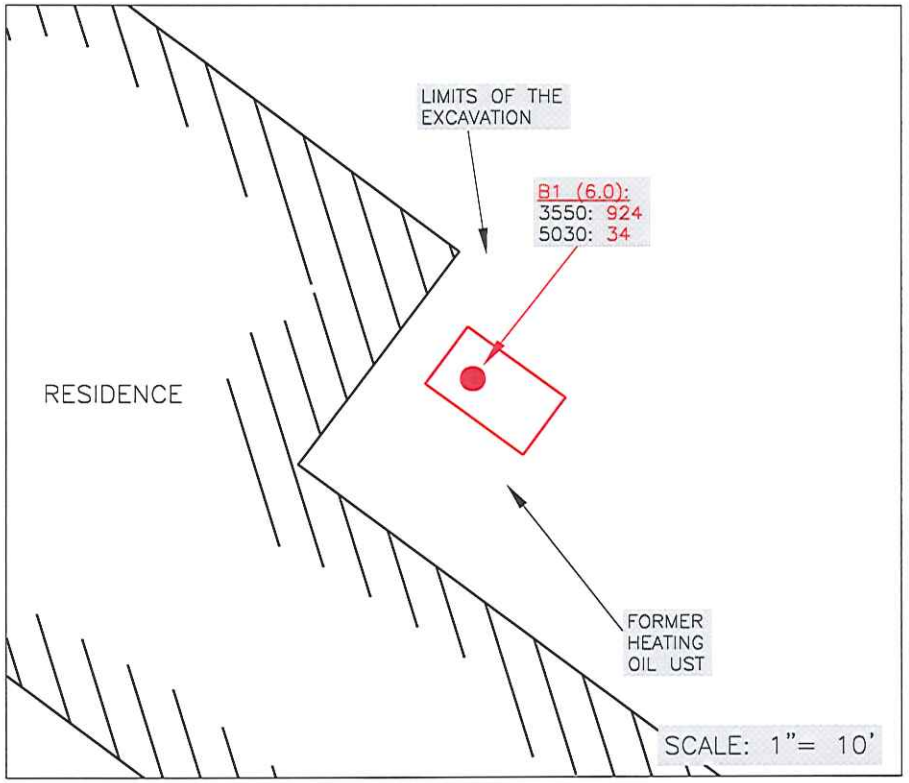
PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

LEGEND

- SOIL SAMPLE LOCATION
- SOIL SAMPLE B1 ANALYZED BY TPH DRO (3550) & TPH GRO (5030)
- RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).





SITE LAYOUT & CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**B1 (6.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-001	Date Collected:	06.29.15 09.45	Sample Depth:	6.0 ft

Analytical Method:	TPH-Diesel Range Organics by SW-846 8015C			Prep Method:	SW3545
Tech:	VBR			% Moisture:	39.54
Analyst:	CLAR	Date Prep:	07.01.15 10.15	Basis:	Dry Weight
Seq Number:	971523				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method:	TPH-Gasoline Range Organics by SW-846 8015C			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	39.54
Analyst:	ZHO	Date Prep:	07.01.15 18.28	Basis:	Dry Weight
Seq Number:	971499				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.4	22.4	mg/kg	07.06.15 22.24	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	50	%	40-140	07.07.15 03.50	
o-Terphenyl	84-15-1	82	%	40-140	07.06.15 22.24	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.06.15 22.24	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.374	0.0661	mg/kg	07.07.15 17.26	U	1
1,2-Dichlorobenzene	95-50-1		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
1,3-Dichlorobenzene	541-73-1		U	0.374	0.0590	mg/kg	07.07.15 17.26	U	1
1,4-Dichlorobenzene	106-46-7		U	0.374	0.0583	mg/kg	07.07.15 17.26	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.374	0.0721	mg/kg	07.07.15 17.26	U	1
2,4-Dichlorophenol	120-83-2		U	0.374	0.0475	mg/kg	07.07.15 17.26	U	1
2,4-Dimethylphenol	105-67-9		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2,4-Dinitrotoluene	121-14-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
2,6-Dinitrotoluene	606-20-2		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
2-Chloronaphthalene	91-58-7		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2-Chlorophenol	95-57-8		U	0.374	0.0669	mg/kg	07.07.15 17.26	U	1
2-Methylnaphthalene	91-57-6		U	0.374	0.0572	mg/kg	07.07.15 17.26	U	1
2-methylphenol	95-48-7		U	0.747	0.0523	mg/kg	07.07.15 17.26	U	1
2-Nitroaniline	88-74-4		U	0.374	0.0501	mg/kg	07.07.15 17.26	U	1
2-Nitrophenol	88-75-5		U	0.747	0.0471	mg/kg	07.07.15 17.26	U	1
3&4-Methylphenol	15831-10-4		U	1.87	0.111	mg/kg	07.07.15 17.26	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.374	0.0546	mg/kg	07.07.15 17.26	U	1
3-Nitroaniline	99-09-2		U	0.374	0.0516	mg/kg	07.07.15 17.26	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.374	0.0650	mg/kg	07.07.15 17.26	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.187	0.0635	mg/kg	07.07.15 17.26	U	1
4-chloro-3-methylphenol	59-50-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
4-Chloroaniline	106-47-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1
4-Nitroaniline	100-01-6		U	0.747	0.0568	mg/kg	07.07.15 17.26	U	1
4-Nitrophenol	100-02-7		U	0.747	0.0460	mg/kg	07.07.15 17.26	U	1
Acenaphthene	83-32-9		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Acenaphthylene	208-96-8		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.374	0.0411	mg/kg	07.07.15 17.26	U	1
Anthracene	120-12-7		U	0.374	0.0553	mg/kg	07.07.15 17.26	U	1
Benzo(a)anthracene	56-55-3		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Benzo(a)pyrene	50-32-8		U	0.374	0.0549	mg/kg	07.07.15 17.26	U	1
Benzo(b)fluoranthene	205-99-2		U	0.374	0.0609	mg/kg	07.07.15 17.26	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.374	0.0617	mg/kg	07.07.15 17.26	U	1
Benzo(k)fluoranthene	207-08-9		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Benzoic Acid	65-85-0		U	0.747	0.0590	mg/kg	07.07.15 17.26	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.374	0.0561	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.374	0.0448	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.187	0.0531	mg/kg	07.07.15 17.26	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.374	0.0505	mg/kg	07.07.15 17.26	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Chrysene	218-01-9		U	0.374	0.0497	mg/kg	07.07.15 17.26	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.374	0.0725	mg/kg	07.07.15 17.26	U	1
Dibenzofuran	132-64-9		U	0.374	0.0478	mg/kg	07.07.15 17.26	U	1
Diethyl Phthalate	84-66-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
Dimethyl Phthalate	131-11-3		U	0.374	0.0564	mg/kg	07.07.15 17.26	U	1
di-n-Butyl Phthalate	84-74-2		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
di-n-Octyl Phthalate	117-84-0		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Fluoranthene	206-44-0		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
Fluorene	86-73-7		U	0.374	0.0456	mg/kg	07.07.15 17.26	U	1
Hexachlorobenzene	118-74-1		U	0.374	0.0624	mg/kg	07.07.15 17.26	U	1
Hexachlorobutadiene	87-68-3		U	0.374	0.0415	mg/kg	07.07.15 17.26	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Hexachloroethane	67-72-1		U	0.374	0.0579	mg/kg	07.07.15 17.26	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
Isophorone	78-59-1		U	0.374	0.0385	mg/kg	07.07.15 17.26	U	1
Naphthalene	91-20-3		U	0.374	0.0598	mg/kg	07.07.15 17.26	U	1
Nitrobenzene	98-95-3		U	0.374	0.0665	mg/kg	07.07.15 17.26	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.374	0.0785	mg/kg	07.07.15 17.26	U	1
Pentachlorophenol	87-86-5		U	0.747	0.0676	mg/kg	07.07.15 17.26	U	1
Phenanthrene	85-01-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Phenol	108-95-2		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Pyrene	129-00-0		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Pyridine	110-86-1		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	71	%	25-121	07.07.15 17.26	
Nitrobenzene-d5	4165-60-0	80	%	23-120	07.07.15 17.26	
2-Fluorobiphenyl	321-60-8	76	%	30-115	07.07.15 17.26	
2,4,6-Tribromophenol	118-79-6	77	%	19-122	07.07.15 17.26	
Terphenyl-D14	1718-51-0	84	%	18-137	07.07.15 17.26	
Phenol-d5	4165-62-2	67	%	15-110	07.07.15 17.26	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	11.07
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00195	0.00195	mg/kg	07.02.15 18.02	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	121	%	70-130	07.02.15 18.02	
2,5-Dibromotoluene (PID)	615-59-8	125	%	70-130	07.02.15 18.02	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00077	0.00058	mg/kg	07.03.15 14.54	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0015	0.00092	mg/kg	07.03.15 14.54	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethane	75-34-3		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethene	75-35-4		U	0.0015	0.00090	mg/kg	07.03.15 14.54	U	1
1,1-Dichloropropene	563-58-6		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0015	0.0013	mg/kg	07.03.15 14.54	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00077	0.00056	mg/kg	07.03.15 14.54	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00077	0.00067	mg/kg	07.03.15 14.54	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0015	0.00100	mg/kg	07.03.15 14.54	U	1
1,2-Dichloroethane	107-06-2		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
1,2-Dichloropropane	78-87-5		U	0.00077	0.00072	mg/kg	07.03.15 14.54	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00077	0.00063	mg/kg	07.03.15 14.54	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
1,3-Dichloropropane	142-28-9		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
2,2-Dichloropropane	594-20-7		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
2-Butanone (MEK)	78-93-3		U	0.0077	0.0018	mg/kg	07.03.15 14.54	U	1
2-Chlorotoluene	95-49-8		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
2-Hexanone	591-78-6		U	0.0077	0.00087	mg/kg	07.03.15 14.54	U	1
4-Chlorotoluene	106-43-4		U	0.00077	0.00043	mg/kg	07.03.15 14.54	U	1
4-Isopropyltoluene	99-87-6		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0077	0.0025	mg/kg	07.03.15 14.54	U	1
Acetone	67-64-1		U	0.0077	0.0053	mg/kg	07.03.15 14.54	U	1
Benzene	71-43-2		U	0.00077	0.00040	mg/kg	07.03.15 14.54	U	1
Bromobenzene	108-86-1		U	0.00077	0.00066	mg/kg	07.03.15 14.54	U	1
Bromochloromethane	74-97-5		U	0.0015	0.00078	mg/kg	07.03.15 14.54	U	1
Bromodichloromethane	75-27-4		U	0.00077	0.00039	mg/kg	07.03.15 14.54	U	1
Bromoform	75-25-2		U	0.00077	0.00074	mg/kg	07.03.15 14.54	U	1
Bromomethane	74-83-9		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Carbon tetrachloride	56-23-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chlorobenzene	108-90-7		U	0.00077	0.00045	mg/kg	07.03.15 14.54	U	1
Chlorodibromomethane	124-48-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
Chloroethane	75-00-3		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Chloroform	67-66-3		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chloromethane	74-87-3		U	0.0039	0.0018	mg/kg	07.03.15 14.54	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
Dichlorodifluoromethane	75-71-8		U	0.0015	0.00091	mg/kg	07.03.15 14.54	U	1
Ethanol	64-17-5		U	0.039	0.022	mg/kg	07.03.15 14.54	U	1
Ethylbenzene	100-41-4		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
Isopropyl Ether	108-20-3		U	0.0015	0.00098	mg/kg	07.03.15 14.54	U	1
Isopropylbenzene	98-82-8		U	0.00077	0.00059	mg/kg	07.03.15 14.54	U	1
m,p-Xylenes	179601-23-1		U	0.00155	0.000936	mg/kg	07.03.15 14.54	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0015	0.00054	mg/kg	07.03.15 14.54	U	1
Methylene chloride	75-09-2		U	0.0039	0.0017	mg/kg	07.03.15 14.54	U	1
Naphthalene	91-20-3		U	0.0015	0.0010	mg/kg	07.03.15 14.54	U	1
n-Butylbenzene	104-51-8		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
n-Propylbenzene	103-65-1		U	0.00077	0.00061	mg/kg	07.03.15 14.54	U	1
o-Xylene	95-47-6		U	0.000774	0.000554	mg/kg	07.03.15 14.54	U	1
sec-Butylbenzene	135-98-8		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1
Styrene	100-42-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
tert-Butylbenzene	98-06-6		U	0.00077	0.00065	mg/kg	07.03.15 14.54	U	1
Tetrachloroethene	127-18-4		U	0.0015	0.00080	mg/kg	07.03.15 14.54	U	1
Toluene	108-88-3		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00077	0.00060	mg/kg	07.03.15 14.54	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
Trichloroethene	79-01-6		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
Trichlorofluoromethane	75-69-4		U	0.0039	0.0027	mg/kg	07.03.15 14.54	U	1
Vinyl acetate	108-05-4		U	0.0039	0.00056	mg/kg	07.03.15 14.54	U	1
Vinyl chloride	75-01-4		U	0.0039	0.0016	mg/kg	07.03.15 14.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	123	%	50-150	07.03.15 14.54	
4-Bromofluorobenzene	460-00-4	100	%	57-158	07.03.15 14.54	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.54	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	25.8	25.8	mg/kg	07.07.15 00.10	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	41	%	40-140	07.07.15 05.25	
o-Terphenyl	84-15-1	73	%	40-140	07.07.15 00.10	
2-Fluorobiphenyl	321-60-8	68	%	40-140	07.07.15 00.10	

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124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.434	0.0769	mg/kg	07.07.15 17.55	U	1
1,2-Dichlorobenzene	95-50-1		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
1,3-Dichlorobenzene	541-73-1		U	0.434	0.0687	mg/kg	07.07.15 17.55	U	1
1,4-Dichlorobenzene	106-46-7		U	0.434	0.0678	mg/kg	07.07.15 17.55	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.434	0.0839	mg/kg	07.07.15 17.55	U	1
2,4-Dichlorophenol	120-83-2		U	0.434	0.0552	mg/kg	07.07.15 17.55	U	1
2,4-Dimethylphenol	105-67-9		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2,4-Dinitrotoluene	121-14-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
2,6-Dinitrotoluene	606-20-2		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
2-Chloronaphthalene	91-58-7		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2-Chlorophenol	95-57-8		U	0.434	0.0778	mg/kg	07.07.15 17.55	U	1
2-Methylnaphthalene	91-57-6		U	0.434	0.0665	mg/kg	07.07.15 17.55	U	1
2-methylphenol	95-48-7		U	0.869	0.0608	mg/kg	07.07.15 17.55	U	1
2-Nitroaniline	88-74-4		U	0.434	0.0582	mg/kg	07.07.15 17.55	U	1
2-Nitrophenol	88-75-5		U	0.869	0.0547	mg/kg	07.07.15 17.55	U	1
3&4-Methylphenol	15831-10-4		U	2.17	0.129	mg/kg	07.07.15 17.55	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.434	0.0634	mg/kg	07.07.15 17.55	U	1
3-Nitroaniline	99-09-2		U	0.434	0.0600	mg/kg	07.07.15 17.55	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.434	0.0756	mg/kg	07.07.15 17.55	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.217	0.0739	mg/kg	07.07.15 17.55	U	1
4-chloro-3-methylphenol	59-50-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
4-Chloroaniline	106-47-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1
4-Nitroaniline	100-01-6		U	0.869	0.0660	mg/kg	07.07.15 17.55	U	1
4-Nitrophenol	100-02-7		U	0.869	0.0534	mg/kg	07.07.15 17.55	U	1
Acenaphthene	83-32-9		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Acenaphthylene	208-96-8		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.434	0.0478	mg/kg	07.07.15 17.55	U	1
Anthracene	120-12-7		U	0.434	0.0643	mg/kg	07.07.15 17.55	U	1
Benzo(a)anthracene	56-55-3		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Benzo(a)pyrene	50-32-8		U	0.434	0.0639	mg/kg	07.07.15 17.55	U	1
Benzo(b)fluoranthene	205-99-2		U	0.434	0.0708	mg/kg	07.07.15 17.55	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.434	0.0717	mg/kg	07.07.15 17.55	U	1
Benzo(k)fluoranthene	207-08-9		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Benzoic Acid	65-85-0		U	0.869	0.0687	mg/kg	07.07.15 17.55	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.434	0.0652	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.434	0.0521	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.217	0.0617	mg/kg	07.07.15 17.55	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.434	0.0587	mg/kg	07.07.15 17.55	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Chrysene	218-01-9		U	0.434	0.0578	mg/kg	07.07.15 17.55	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.434	0.0843	mg/kg	07.07.15 17.55	U	1
Dibenzofuran	132-64-9		U	0.434	0.0556	mg/kg	07.07.15 17.55	U	1
Diethyl Phthalate	84-66-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
Dimethyl Phthalate	131-11-3		U	0.434	0.0656	mg/kg	07.07.15 17.55	U	1
di-n-Butyl Phthalate	84-74-2		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
di-n-Octyl Phthalate	117-84-0		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Fluoranthene	206-44-0		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
Fluorene	86-73-7		U	0.434	0.0530	mg/kg	07.07.15 17.55	U	1
Hexachlorobenzene	118-74-1		U	0.434	0.0726	mg/kg	07.07.15 17.55	U	1
Hexachlorobutadiene	87-68-3		U	0.434	0.0482	mg/kg	07.07.15 17.55	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Hexachloroethane	67-72-1		U	0.434	0.0673	mg/kg	07.07.15 17.55	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
Isophorone	78-59-1		U	0.434	0.0448	mg/kg	07.07.15 17.55	U	1
Naphthalene	91-20-3		U	0.434	0.0695	mg/kg	07.07.15 17.55	U	1
Nitrobenzene	98-95-3		U	0.434	0.0773	mg/kg	07.07.15 17.55	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.434	0.0912	mg/kg	07.07.15 17.55	U	1
Pentachlorophenol	87-86-5		U	0.869	0.0786	mg/kg	07.07.15 17.55	U	1
Phenanthrene	85-01-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Phenol	108-95-2		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Pyrene	129-00-0		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Pyridine	110-86-1		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	49	%	25-121	07.07.15 17.55	
Nitrobenzene-d5	4165-60-0	53	%	23-120	07.07.15 17.55	
2-Fluorobiphenyl	321-60-8	64	%	30-115	07.07.15 17.55	
2,4,6-Tribromophenol	118-79-6	56	%	19-122	07.07.15 17.55	
Terphenyl-D14	1718-51-0	78	%	18-137	07.07.15 17.55	
Phenol-d5	4165-62-2	54	%	15-110	07.07.15 17.55	

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	23.74
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00251	0.00251	mg/kg	07.02.15 18.47	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	106	%	70-130	07.02.15 18.47	
2,5-Dibromotoluene (PID)	615-59-8	115	%	70-130	07.02.15 18.47	

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124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00091	0.00068	mg/kg	07.03.15 14.32	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethane	75-34-3		U	0.00091	0.00073	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethene	75-35-4		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1-Dichloropropene	563-58-6		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0018	0.0015	mg/kg	07.03.15 14.32	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00091	0.00079	mg/kg	07.03.15 14.32	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00091	0.00065	mg/kg	07.03.15 14.32	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00091	0.00078	mg/kg	07.03.15 14.32	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
1,2-Dichloroethane	107-06-2		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
1,2-Dichloropropane	78-87-5		U	0.00091	0.00084	mg/kg	07.03.15 14.32	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00091	0.00074	mg/kg	07.03.15 14.32	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
1,3-Dichloropropane	142-28-9		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
2,2-Dichloropropane	594-20-7		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
2-Butanone (MEK)	78-93-3		U	0.0091	0.0021	mg/kg	07.03.15 14.32	U	1
2-Chlorotoluene	95-49-8		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
2-Hexanone	591-78-6		U	0.0091	0.0010	mg/kg	07.03.15 14.32	U	1
4-Chlorotoluene	106-43-4		U	0.00091	0.00050	mg/kg	07.03.15 14.32	U	1
4-Isopropyltoluene	99-87-6		U	0.00091	0.00072	mg/kg	07.03.15 14.32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0091	0.0029	mg/kg	07.03.15 14.32	U	1
Acetone	67-64-1		U	0.0091	0.0062	mg/kg	07.03.15 14.32	U	1
Benzene	71-43-2		U	0.00091	0.00046	mg/kg	07.03.15 14.32	U	1
Bromobenzene	108-86-1		U	0.00091	0.00077	mg/kg	07.03.15 14.32	U	1
Bromochloromethane	74-97-5		U	0.0018	0.00091	mg/kg	07.03.15 14.32	U	1
Bromodichloromethane	75-27-4		U	0.00091	0.00045	mg/kg	07.03.15 14.32	U	1
Bromoform	75-25-2		U	0.00091	0.00087	mg/kg	07.03.15 14.32	U	1
Bromomethane	74-83-9		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Carbon tetrachloride	56-23-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chlorobenzene	108-90-7		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
Chlorodibromomethane	124-48-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
Chloroethane	75-00-3		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Chloroform	67-66-3		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chloromethane	74-87-3		U	0.0045	0.0021	mg/kg	07.03.15 14.32	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00091	0.00060	mg/kg	07.03.15 14.32	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
Dichlorodifluoromethane	75-71-8		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
Ethanol	64-17-5		U	0.045	0.025	mg/kg	07.03.15 14.32	U	1
Ethylbenzene	100-41-4		U	0.00091	0.00051	mg/kg	07.03.15 14.32	U	1
Isopropyl Ether	108-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
Isopropylbenzene	98-82-8		U	0.00091	0.00069	mg/kg	07.03.15 14.32	U	1
m,p-Xylenes	179601-23-1		U	0.00181	0.00109	mg/kg	07.03.15 14.32	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0018	0.00063	mg/kg	07.03.15 14.32	U	1
Methylene chloride	75-09-2		U	0.0045	0.0020	mg/kg	07.03.15 14.32	U	1
Naphthalene	91-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
n-Butylbenzene	104-51-8		U	0.00091	0.00080	mg/kg	07.03.15 14.32	U	1
n-Propylbenzene	103-65-1		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
o-Xylene	95-47-6		U	0.000906	0.000648	mg/kg	07.03.15 14.32	U	1
sec-Butylbenzene	135-98-8		U	0.00091	0.00059	mg/kg	07.03.15 14.32	U	1
Styrene	100-42-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
tert-Butylbenzene	98-06-6		U	0.00091	0.00076	mg/kg	07.03.15 14.32	U	1
Tetrachloroethene	127-18-4		U	0.0018	0.00094	mg/kg	07.03.15 14.32	U	1
Toluene	108-88-3	**0.00082**		0.00091	0.00053	mg/kg	07.03.15 14.32	J	1
trans-1,2-Dichloroethene	156-60-5		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
Trichloroethene	79-01-6		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
Trichlorofluoromethane	75-69-4		U	0.0045	0.0032	mg/kg	07.03.15 14.32	U	1
Vinyl acetate	108-05-4		U	0.0045	0.00065	mg/kg	07.03.15 14.32	U	1
Vinyl chloride	75-01-4		U	0.0045	0.0018	mg/kg	07.03.15 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	125	%	50-150	07.03.15 14.32	
4-Bromofluorobenzene	460-00-4	104	%	57-158	07.03.15 14.32	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 00.45	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	40	%	40-140	07.07.15 05.56	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 00.45	
2-Fluorobiphenyl	321-60-8	75	%	40-140	07.07.15 00.45	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.370	0.0656	mg/kg	07.07.15 18.24	U	1
1,2-Dichlorobenzene	95-50-1		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
1,3-Dichlorobenzene	541-73-1		U	0.370	0.0585	mg/kg	07.07.15 18.24	U	1
1,4-Dichlorobenzene	106-46-7		U	0.370	0.0578	mg/kg	07.07.15 18.24	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.370	0.0715	mg/kg	07.07.15 18.24	U	1
2,4-Dichlorophenol	120-83-2		U	0.370	0.0471	mg/kg	07.07.15 18.24	U	1
2,4-Dimethylphenol	105-67-9		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2,4-Dinitrotoluene	121-14-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
2,6-Dinitrotoluene	606-20-2		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
2-Chloronaphthalene	91-58-7		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2-Chlorophenol	95-57-8		U	0.370	0.0663	mg/kg	07.07.15 18.24	U	1
2-Methylnaphthalene	91-57-6		U	0.370	0.0567	mg/kg	07.07.15 18.24	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.24	U	1
2-Nitroaniline	88-74-4		U	0.370	0.0496	mg/kg	07.07.15 18.24	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.24	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.24	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.370	0.0541	mg/kg	07.07.15 18.24	U	1
3-Nitroaniline	99-09-2		U	0.370	0.0511	mg/kg	07.07.15 18.24	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.370	0.0645	mg/kg	07.07.15 18.24	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.24	U	1
4-chloro-3-methylphenol	59-50-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
4-Chloroaniline	106-47-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.24	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.24	U	1
Acenaphthene	83-32-9		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Acenaphthylene	208-96-8		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.370	0.0408	mg/kg	07.07.15 18.24	U	1
Anthracene	120-12-7		U	0.370	0.0548	mg/kg	07.07.15 18.24	U	1
Benzo(a)anthracene	56-55-3		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Benzo(a)pyrene	50-32-8		U	0.370	0.0545	mg/kg	07.07.15 18.24	U	1
Benzo(b)fluoranthene	205-99-2		U	0.370	0.0604	mg/kg	07.07.15 18.24	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.370	0.0611	mg/kg	07.07.15 18.24	U	1
Benzo(k)fluoranthene	207-08-9		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Benzoic Acid	65-85-0		U	0.741	0.0585	mg/kg	07.07.15 18.24	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.370	0.0556	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.370	0.0445	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.24	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.370	0.0500	mg/kg	07.07.15 18.24	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Chrysene	218-01-9		U	0.370	0.0493	mg/kg	07.07.15 18.24	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.370	0.0719	mg/kg	07.07.15 18.24	U	1
Dibenzofuran	132-64-9		U	0.370	0.0474	mg/kg	07.07.15 18.24	U	1
Diethyl Phthalate	84-66-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
Dimethyl Phthalate	131-11-3		U	0.370	0.0559	mg/kg	07.07.15 18.24	U	1
di-n-Butyl Phthalate	84-74-2		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
di-n-Octyl Phthalate	117-84-0		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Fluoranthene	206-44-0		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
Fluorene	86-73-7		U	0.370	0.0452	mg/kg	07.07.15 18.24	U	1
Hexachlorobenzene	118-74-1		U	0.370	0.0619	mg/kg	07.07.15 18.24	U	1
Hexachlorobutadiene	87-68-3		U	0.370	0.0411	mg/kg	07.07.15 18.24	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Hexachloroethane	67-72-1		U	0.370	0.0574	mg/kg	07.07.15 18.24	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
Isophorone	78-59-1		U	0.370	0.0382	mg/kg	07.07.15 18.24	U	1
Naphthalene	91-20-3		U	0.370	0.0593	mg/kg	07.07.15 18.24	U	1
Nitrobenzene	98-95-3		U	0.370	0.0659	mg/kg	07.07.15 18.24	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.370	0.0778	mg/kg	07.07.15 18.24	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.24	U	1
Phenanthrene	85-01-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Phenol	108-95-2		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Pyrene	129-00-0		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Pyridine	110-86-1		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	50	%	25-121	07.07.15 18.24	
Nitrobenzene-d5	4165-60-0	66	%	23-120	07.07.15 18.24	
2-Fluorobiphenyl	321-60-8	72	%	30-115	07.07.15 18.24	
2,4,6-Tribromophenol	118-79-6	67	%	19-122	07.07.15 18.24	
Terphenyl-D14	1718-51-0	83	%	18-137	07.07.15 18.24	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 18.24	

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00231	0.00231	mg/kg	07.02.15 19.32	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	113	%	70-130	07.02.15 19.32	
2,5-Dibromotoluene (PID)	615-59-8	122	%	70-130	07.02.15 19.32	

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124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00094	0.00071	mg/kg	07.01.15 22.03	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethane	75-34-3		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethene	75-35-4		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1-Dichloropropene	563-58-6		U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00094	0.00054	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0019	0.0016	mg/kg	07.01.15 22.03	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00094	0.00082	mg/kg	07.01.15 22.03	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00094	0.00068	mg/kg	07.01.15 22.03	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
1,2-Dichloroethane	107-06-2		U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
1,2-Dichloropropane	78-87-5		U	0.00094	0.00088	mg/kg	07.01.15 22.03	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00094	0.00077	mg/kg	07.01.15 22.03	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
1,3-Dichloropropane	142-28-9		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
2,2-Dichloropropane	594-20-7		U	0.00094	0.00057	mg/kg	07.01.15 22.03	U	1
2-Butanone (MEK)	78-93-3		U	0.0094	0.0022	mg/kg	07.01.15 22.03	U	1
2-Chlorotoluene	95-49-8		U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
2-Hexanone	591-78-6		U	0.0094	0.0011	mg/kg	07.01.15 22.03	U	1
4-Chlorotoluene	106-43-4		U	0.00094	0.00052	mg/kg	07.01.15 22.03	U	1
4-Isopropyltoluene	99-87-6		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0094	0.0031	mg/kg	07.01.15 22.03	U	1
Acetone	67-64-1		U	0.0094	0.0065	mg/kg	07.01.15 22.03	U	1
Benzene	71-43-2		U	0.00094	0.00048	mg/kg	07.01.15 22.03	U	1
Bromobenzene	108-86-1		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
Bromochloromethane	74-97-5		U	0.0019	0.00095	mg/kg	07.01.15 22.03	U	1
Bromodichloromethane	75-27-4		U	0.00094	0.00047	mg/kg	07.01.15 22.03	U	1
Bromoform	75-25-2		U	0.00094	0.00091	mg/kg	07.01.15 22.03	U	1
Bromomethane	74-83-9		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Carbon tetrachloride	56-23-5		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chlorobenzene	108-90-7		U	0.00094	0.00055	mg/kg	07.01.15 22.03	U	1
Chlorodibromomethane	124-48-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
Chloroethane	75-00-3		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Chloroform	67-66-3		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chloromethane	74-87-3		U	0.0047	0.0022	mg/kg	07.01.15 22.03	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
Dichlorodifluoromethane	75-71-8	U	0.0019	0.0011	mg/kg	07.01.15 22.03	UH	1
Ethanol	64-17-5	U	0.047	0.026	mg/kg	07.01.15 22.03	U	1
Ethylbenzene	100-41-4	U	0.00094	0.00053	mg/kg	07.01.15 22.03	U	1
Isopropyl Ether	108-20-3	U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
Isopropylbenzene	98-82-8	U	0.00094	0.00072	mg/kg	07.01.15 22.03	U	1
m,p-Xylenes	179601-23-1	U	0.00189	0.00114	mg/kg	07.01.15 22.03	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0019	0.00065	mg/kg	07.01.15 22.03	U	1
Methylene chloride	75-09-2	U	0.0047	0.0020	mg/kg	07.01.15 22.03	U	1
Naphthalene	91-20-3	**0.0021**	0.0019	0.0012	mg/kg	07.01.15 22.03		1
n-Butylbenzene	104-51-8	U	0.00094	0.00083	mg/kg	07.01.15 22.03	U	1
n-Propylbenzene	103-65-1	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
o-Xylene	95-47-6	U	0.000944	0.000676	mg/kg	07.01.15 22.03	U	1
sec-Butylbenzene	135-98-8	U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1
Styrene	100-42-5	U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
tert-Butylbenzene	98-06-6	U	0.00094	0.00079	mg/kg	07.01.15 22.03	U	1
Tetrachloroethene	127-18-4	U	0.0019	0.00098	mg/kg	07.01.15 22.03	U	1
Toluene	108-88-3	U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
Trichloroethene	79-01-6	U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
Trichlorofluoromethane	75-69-4	U	0.0047	0.0033	mg/kg	07.01.15 22.03	U	1
Vinyl acetate	108-05-4	U	0.0047	0.00068	mg/kg	07.01.15 22.03	U	1
Vinyl chloride	75-01-4	U	0.0047	0.0019	mg/kg	07.01.15 22.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	50-150	07.01.15 22.03	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.03	
Toluene-D8	2037-26-5	100	%	50-150	07.01.15 22.03	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 01.20	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	51	%	40-140	07.07.15 06.28	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.20	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.07.15 01.20	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.371	0.0656	mg/kg	07.07.15 18.52	U	1
1,2-Dichlorobenzene	95-50-1		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
1,3-Dichlorobenzene	541-73-1		U	0.371	0.0586	mg/kg	07.07.15 18.52	U	1
1,4-Dichlorobenzene	106-46-7		U	0.371	0.0578	mg/kg	07.07.15 18.52	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.371	0.0715	mg/kg	07.07.15 18.52	U	1
2,4-Dichlorophenol	120-83-2		U	0.371	0.0471	mg/kg	07.07.15 18.52	U	1
2,4-Dimethylphenol	105-67-9		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2,4-Dinitrotoluene	121-14-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
2,6-Dinitrotoluene	606-20-2		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
2-Chloronaphthalene	91-58-7		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2-Chlorophenol	95-57-8		U	0.371	0.0664	mg/kg	07.07.15 18.52	U	1
2-Methylnaphthalene	91-57-6		U	0.371	0.0567	mg/kg	07.07.15 18.52	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.52	U	1
2-Nitroaniline	88-74-4		U	0.371	0.0497	mg/kg	07.07.15 18.52	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.52	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.52	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.371	0.0541	mg/kg	07.07.15 18.52	U	1
3-Nitroaniline	99-09-2		U	0.371	0.0512	mg/kg	07.07.15 18.52	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.371	0.0645	mg/kg	07.07.15 18.52	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.52	U	1
4-chloro-3-methylphenol	59-50-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
4-Chloroaniline	106-47-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.52	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.52	U	1
Acenaphthene	83-32-9		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Acenaphthylene	208-96-8		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.371	0.0408	mg/kg	07.07.15 18.52	U	1
Anthracene	120-12-7		U	0.371	0.0549	mg/kg	07.07.15 18.52	U	1
Benzo(a)anthracene	56-55-3		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Benzo(a)pyrene	50-32-8		U	0.371	0.0545	mg/kg	07.07.15 18.52	U	1
Benzo(b)fluoranthene	205-99-2		U	0.371	0.0604	mg/kg	07.07.15 18.52	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.371	0.0612	mg/kg	07.07.15 18.52	U	1
Benzo(k)fluoranthene	207-08-9		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Benzoic Acid	65-85-0		U	0.741	0.0586	mg/kg	07.07.15 18.52	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.371	0.0556	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.371	0.0445	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.52	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.371	0.0500	mg/kg	07.07.15 18.52	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Chrysene	218-01-9		U	0.371	0.0493	mg/kg	07.07.15 18.52	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.371	0.0719	mg/kg	07.07.15 18.52	U	1
Dibenzofuran	132-64-9		U	0.371	0.0474	mg/kg	07.07.15 18.52	U	1
Diethyl Phthalate	84-66-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
Dimethyl Phthalate	131-11-3		U	0.371	0.0560	mg/kg	07.07.15 18.52	U	1
di-n-Butyl Phthalate	84-74-2		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
di-n-Octyl Phthalate	117-84-0		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Fluoranthene	206-44-0		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
Fluorene	86-73-7		U	0.371	0.0452	mg/kg	07.07.15 18.52	U	1
Hexachlorobenzene	118-74-1		U	0.371	0.0619	mg/kg	07.07.15 18.52	U	1
Hexachlorobutadiene	87-68-3		U	0.371	0.0411	mg/kg	07.07.15 18.52	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Hexachloroethane	67-72-1		U	0.371	0.0575	mg/kg	07.07.15 18.52	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
Isophorone	78-59-1		U	0.371	0.0382	mg/kg	07.07.15 18.52	U	1
Naphthalene	91-20-3		U	0.371	0.0593	mg/kg	07.07.15 18.52	U	1
Nitrobenzene	98-95-3		U	0.371	0.0660	mg/kg	07.07.15 18.52	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.371	0.0778	mg/kg	07.07.15 18.52	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.52	U	1
Phenanthrene	85-01-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Phenol	108-95-2		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Pyrene	129-00-0		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Pyridine	110-86-1		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	66	%	25-121	07.07.15 18.52	
Nitrobenzene-d5	4165-60-0	72	%	23-120	07.07.15 18.52	
2-Fluorobiphenyl	321-60-8	74	%	30-115	07.07.15 18.52	
2,4,6-Tribromophenol	118-79-6	76	%	19-122	07.07.15 18.52	
Terphenyl-D14	1718-51-0	79	%	18-137	07.07.15 18.52	
Phenol-d5	4165-62-2	65	%	15-110	07.07.15 18.52	

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00242	0.00242	mg/kg	07.02.15 20.17	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	109	%	70-130	07.02.15 20.17	
2,5-Dibromotoluene (PID)	615-59-8	119	%	70-130	07.02.15 20.17	

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124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethane	75-34-3		U	0.00098	0.00079	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethene	75-35-4		U	0.0020	0.0011	mg/kg	07.01.15 22.25	U	1
1,1-Dichloropropene	563-58-6		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00098	0.00056	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0020	0.0016	mg/kg	07.01.15 22.25	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00098	0.00071	mg/kg	07.01.15 22.25	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00098	0.00085	mg/kg	07.01.15 22.25	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
1,2-Dichloroethane	107-06-2		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
1,2-Dichloropropane	78-87-5		U	0.00098	0.00091	mg/kg	07.01.15 22.25	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00098	0.00080	mg/kg	07.01.15 22.25	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00098	0.00098	mg/kg	07.01.15 22.25	U	1
1,3-Dichloropropane	142-28-9		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
2,2-Dichloropropane	594-20-7		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
2-Butanone (MEK)	78-93-3		U	0.0098	0.0022	mg/kg	07.01.15 22.25	U	1
2-Chlorotoluene	95-49-8		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
2-Hexanone	591-78-6		U	0.0098	0.0011	mg/kg	07.01.15 22.25	U	1
4-Chlorotoluene	106-43-4		U	0.00098	0.00054	mg/kg	07.01.15 22.25	U	1
4-Isopropyltoluene	99-87-6		U	0.00098	0.00078	mg/kg	07.01.15 22.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0098	0.0032	mg/kg	07.01.15 22.25	U	1
Acetone	67-64-1		U	0.0098	0.0067	mg/kg	07.01.15 22.25	U	1
Benzene	71-43-2		U	0.00098	0.00050	mg/kg	07.01.15 22.25	U	1
Bromobenzene	108-86-1		U	0.00098	0.00084	mg/kg	07.01.15 22.25	U	1
Bromochloromethane	74-97-5		U	0.0020	0.00099	mg/kg	07.01.15 22.25	U	1
Bromodichloromethane	75-27-4		U	0.00098	0.00049	mg/kg	07.01.15 22.25	U	1
Bromoform	75-25-2		U	0.00098	0.00094	mg/kg	07.01.15 22.25	U	1
Bromomethane	74-83-9		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Carbon tetrachloride	56-23-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chlorobenzene	108-90-7		U	0.00098	0.00057	mg/kg	07.01.15 22.25	U	1
Chlorodibromomethane	124-48-1		U	0.00098	0.00097	mg/kg	07.01.15 22.25	U	1
Chloroethane	75-00-3		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Chloroform	67-66-3		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chloromethane	74-87-3		U	0.0049	0.0023	mg/kg	07.01.15 22.25	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00098	0.00065	mg/kg	07.01.15 22.25	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
Dichlorodifluoromethane	75-71-8		U	0.0020	0.0012	mg/kg	07.01.15 22.25	UH	1
Ethanol	64-17-5		U	0.049	0.027	mg/kg	07.01.15 22.25	U	1
Ethylbenzene	100-41-4		U	0.00098	0.00055	mg/kg	07.01.15 22.25	U	1
Isopropyl Ether	108-20-3		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
Isopropylbenzene	98-82-8		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
m,p-Xylenes	179601-23-1		U	0.00196	0.00119	mg/kg	07.01.15 22.25	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0020	0.00068	mg/kg	07.01.15 22.25	U	1
Methylene chloride	75-09-2		U	0.0049	0.0021	mg/kg	07.01.15 22.25	U	1
Naphthalene	91-20-3		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
n-Butylbenzene	104-51-8		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
n-Propylbenzene	103-65-1		U	0.00098	0.00077	mg/kg	07.01.15 22.25	U	1
o-Xylene	95-47-6		U	0.000980	0.000702	mg/kg	07.01.15 22.25	U	1
sec-Butylbenzene	135-98-8		U	0.00098	0.00064	mg/kg	07.01.15 22.25	U	1
Styrene	100-42-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
tert-Butylbenzene	98-06-6		U	0.00098	0.00082	mg/kg	07.01.15 22.25	U	1
Tetrachloroethene	127-18-4		U	0.0020	0.0010	mg/kg	07.01.15 22.25	U	1
Toluene	108-88-3		U	0.00098	0.00058	mg/kg	07.01.15 22.25	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00098	0.00076	mg/kg	07.01.15 22.25	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
Trichloroethene	79-01-6		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
Trichlorofluoromethane	75-69-4		U	0.0049	0.0034	mg/kg	07.01.15 22.25	U	1
Vinyl acetate	108-05-4		U	0.0049	0.00071	mg/kg	07.01.15 22.25	U	1
Vinyl chloride	75-01-4		U	0.0049	0.0020	mg/kg	07.01.15 22.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	112	%	50-150	07.01.15 22.25	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.25	
Toluene-D8	2037-26-5	99	%	50-150	07.01.15 22.25	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	21.8	21.8	mg/kg	07.07.15 01.56	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	49	%	40-140	07.07.15 07.00	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.56	
2-Fluorobiphenyl	321-60-8	71	%	40-140	07.07.15 01.56	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.362	0.0641	mg/kg	07.07.15 19.21	U	1
1,2-Dichlorobenzene	95-50-1		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
1,3-Dichlorobenzene	541-73-1		U	0.362	0.0572	mg/kg	07.07.15 19.21	U	1
1,4-Dichlorobenzene	106-46-7		U	0.362	0.0565	mg/kg	07.07.15 19.21	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.362	0.0698	mg/kg	07.07.15 19.21	U	1
2,4-Dichlorophenol	120-83-2		U	0.362	0.0460	mg/kg	07.07.15 19.21	U	1
2,4-Dimethylphenol	105-67-9		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2,4-Dinitrotoluene	121-14-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
2,6-Dinitrotoluene	606-20-2		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
2-Chloronaphthalene	91-58-7		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2-Chlorophenol	95-57-8		U	0.362	0.0648	mg/kg	07.07.15 19.21	U	1
2-Methylnaphthalene	91-57-6		U	0.362	0.0554	mg/kg	07.07.15 19.21	U	1
2-methylphenol	95-48-7		U	0.724	0.0507	mg/kg	07.07.15 19.21	U	1
2-Nitroaniline	88-74-4		U	0.362	0.0485	mg/kg	07.07.15 19.21	U	1
2-Nitrophenol	88-75-5		U	0.724	0.0456	mg/kg	07.07.15 19.21	U	1
3&4-Methylphenol	15831-10-4		U	1.81	0.107	mg/kg	07.07.15 19.21	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.362	0.0528	mg/kg	07.07.15 19.21	U	1
3-Nitroaniline	99-09-2		U	0.362	0.0499	mg/kg	07.07.15 19.21	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.362	0.0630	mg/kg	07.07.15 19.21	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.181	0.0615	mg/kg	07.07.15 19.21	U	1
4-chloro-3-methylphenol	59-50-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
4-Chloroaniline	106-47-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1
4-Nitroaniline	100-01-6		U	0.724	0.0550	mg/kg	07.07.15 19.21	U	1
4-Nitrophenol	100-02-7		U	0.724	0.0445	mg/kg	07.07.15 19.21	U	1
Acenaphthene	83-32-9		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Acenaphthylene	208-96-8		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.362	0.0398	mg/kg	07.07.15 19.21	U	1
Anthracene	120-12-7		U	0.362	0.0536	mg/kg	07.07.15 19.21	U	1
Benzo(a)anthracene	56-55-3		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Benzo(a)pyrene	50-32-8		U	0.362	0.0532	mg/kg	07.07.15 19.21	U	1
Benzo(b)fluoranthene	205-99-2		U	0.362	0.0590	mg/kg	07.07.15 19.21	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.362	0.0597	mg/kg	07.07.15 19.21	U	1
Benzo(k)fluoranthene	207-08-9		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Benzoic Acid	65-85-0		U	0.724	0.0572	mg/kg	07.07.15 19.21	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.362	0.0543	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.362	0.0434	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.181	0.0514	mg/kg	07.07.15 19.21	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.362	0.0489	mg/kg	07.07.15 19.21	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Chrysene	218-01-9		U	0.362	0.0481	mg/kg	07.07.15 19.21	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.362	0.0702	mg/kg	07.07.15 19.21	U	1
Dibenzofuran	132-64-9		U	0.362	0.0463	mg/kg	07.07.15 19.21	U	1
Diethyl Phthalate	84-66-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
Dimethyl Phthalate	131-11-3		U	0.362	0.0546	mg/kg	07.07.15 19.21	U	1
di-n-Butyl Phthalate	84-74-2		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
di-n-Octyl Phthalate	117-84-0		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Fluoranthene	206-44-0		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
Fluorene	86-73-7		U	0.362	0.0442	mg/kg	07.07.15 19.21	U	1
Hexachlorobenzene	118-74-1		U	0.362	0.0604	mg/kg	07.07.15 19.21	U	1
Hexachlorobutadiene	87-68-3		U	0.362	0.0402	mg/kg	07.07.15 19.21	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Hexachloroethane	67-72-1		U	0.362	0.0561	mg/kg	07.07.15 19.21	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
Isophorone	78-59-1		U	0.362	0.0373	mg/kg	07.07.15 19.21	U	1
Naphthalene	91-20-3		U	0.362	0.0579	mg/kg	07.07.15 19.21	U	1
Nitrobenzene	98-95-3		U	0.362	0.0644	mg/kg	07.07.15 19.21	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.362	0.0760	mg/kg	07.07.15 19.21	U	1
Pentachlorophenol	87-86-5		U	0.724	0.0655	mg/kg	07.07.15 19.21	U	1
Phenanthrene	85-01-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Phenol	108-95-2		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Pyrene	129-00-0		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Pyridine	110-86-1		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	51	%	25-121	07.07.15 19.21	
Nitrobenzene-d5	4165-60-0	48	%	23-120	07.07.15 19.21	
2-Fluorobiphenyl	321-60-8	54	%	30-115	07.07.15 19.21	
2,4,6-Tribromophenol	118-79-6	44	%	19-122	07.07.15 19.21	
Terphenyl-D14	1718-51-0	62	%	18-137	07.07.15 19.21	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 19.21	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00246	0.00246	mg/kg	07.02.15 21.01	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	98	%	70-130	07.02.15 21.01	
2,5-Dibromotoluene (PID)	615-59-8	108	%	70-130	07.02.15 21.01	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00085	0.00064	mg/kg	07.01.15 22.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0017	0.0010	mg/kg	07.01.15 22.47	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethane	75-34-3		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethene	75-35-4		U	0.0017	0.00099	mg/kg	07.01.15 22.47	U	1
1,1-Dichloropropene	563-58-6		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0017	0.0014	mg/kg	07.01.15 22.47	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00085	0.00061	mg/kg	07.01.15 22.47	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
1,2-Dichloroethane	107-06-2		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
1,2-Dichloropropane	78-87-5		U	0.00085	0.00079	mg/kg	07.01.15 22.47	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00085	0.00069	mg/kg	07.01.15 22.47	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
1,3-Dichloropropane	142-28-9		U	0.00085	0.00059	mg/kg	07.01.15 22.47	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00085	0.00058	mg/kg	07.01.15 22.47	U	1
2,2-Dichloropropane	594-20-7		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
2-Butanone (MEK)	78-93-3		U	0.0085	0.0019	mg/kg	07.01.15 22.47	U	1
2-Chlorotoluene	95-49-8		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
2-Hexanone	591-78-6		U	0.0085	0.00096	mg/kg	07.01.15 22.47	U	1
4-Chlorotoluene	106-43-4		U	0.00085	0.00047	mg/kg	07.01.15 22.47	U	1
4-Isopropyltoluene	99-87-6		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0085	0.0028	mg/kg	07.01.15 22.47	U	1
Acetone	67-64-1	**0.029**		0.0085	0.0059	mg/kg	07.01.15 22.47		1
Benzene	71-43-2		U	0.00085	0.00044	mg/kg	07.01.15 22.47	U	1
Bromobenzene	108-86-1		U	0.00085	0.00073	mg/kg	07.01.15 22.47	U	1
Bromochloromethane	74-97-5		U	0.0017	0.00086	mg/kg	07.01.15 22.47	U	1
Bromodichloromethane	75-27-4		U	0.00085	0.00043	mg/kg	07.01.15 22.47	U	1
Bromoform	75-25-2		U	0.00085	0.00082	mg/kg	07.01.15 22.47	U	1
Bromomethane	74-83-9		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Carbon tetrachloride	56-23-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chlorobenzene	108-90-7		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
Chlorodibromomethane	124-48-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
Chloroethane	75-00-3		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Chloroform	67-66-3		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chloromethane	74-87-3		U	0.0043	0.0020	mg/kg	07.01.15 22.47	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
Dichlorodifluoromethane	75-71-8		U	0.0017	0.0010	mg/kg	07.01.15 22.47	UH	1
Ethanol	64-17-5		U	0.043	0.024	mg/kg	07.01.15 22.47	U	1
Ethylbenzene	100-41-4		U	0.00085	0.00048	mg/kg	07.01.15 22.47	U	1
Isopropyl Ether	108-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
Isopropylbenzene	98-82-8		U	0.00085	0.00065	mg/kg	07.01.15 22.47	U	1
m,p-Xylenes	179601-23-1		U	0.00171	0.00103	mg/kg	07.01.15 22.47	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0017	0.00059	mg/kg	07.01.15 22.47	U	1
Methylene chloride	75-09-2		U	0.0043	0.0018	mg/kg	07.01.15 22.47	U	1
Naphthalene	91-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
n-Butylbenzene	104-51-8		U	0.00085	0.00075	mg/kg	07.01.15 22.47	U	1
n-Propylbenzene	103-65-1		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
o-Xylene	95-47-6		U	0.000853	0.000611	mg/kg	07.01.15 22.47	U	1
sec-Butylbenzene	135-98-8		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1
Styrene	100-42-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
tert-Butylbenzene	98-06-6		U	0.00085	0.00071	mg/kg	07.01.15 22.47	U	1
Tetrachloroethene	127-18-4		U	0.0017	0.00088	mg/kg	07.01.15 22.47	U	1
Toluene	108-88-3		U	0.00085	0.00050	mg/kg	07.01.15 22.47	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
Trichloroethene	79-01-6		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
Trichlorofluoromethane	75-69-4		U	0.0043	0.0030	mg/kg	07.01.15 22.47	U	1
Vinyl acetate	108-05-4		U	0.0043	0.00061	mg/kg	07.01.15 22.47	U	1
Vinyl chloride	75-01-4		U	0.0043	0.0017	mg/kg	07.01.15 22.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	114	%	50-150	07.01.15 22.47	
4-Bromofluorobenzene	460-00-4	105	%	57-158	07.01.15 22.47	
Toluene-D8	2037-26-5	98	%	50-150	07.01.15 22.47	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12.29	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12.29	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12.29	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12.29	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12.29	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12.29	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12.29	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12.29	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12.29	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12.29	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12.29	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12.29	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12.29	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12.29	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	07.02.15 12.29	
4-Bromofluorobenzene	460-00-4	112	%	30-186	07.02.15 12.29	
Toluene-D8	2037-26-5	97	%	70-130	07.02.15 12.29	

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510637-001 MD Sample Id: 510637-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	26.6	26.4	1	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510685-006 MD Sample Id: 510685-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	8.96	9.19	3	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510690-004 MD Sample Id: 510690-004 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	22.6	22.3	1	20	%	07.01.15 13:00	

Analytical Method: **MADEP EPH** Prep Method: SW3545
Seq Number: 971710 Matrix: Solid Date Prep: 07.03.15
MB Sample Id: 694710-1-BLK LCS Sample Id: 694710-1-BKS LCSD Sample Id: 694710-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<20.0	170	144	85	147	86	40-140	2	40	mg/kg	07.06.15 18:15	
C9-C18 Aliphatics	<10.0	60.0	39.1	65	29.7	50	40-140	27	40	mg/kg	07.07.15 00:07	
C19-C36 Aliphatics	<10.0	80.0	60.7	76	53.1	66	40-140	13	40	mg/kg	07.07.15 00:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	56		65		49		40-140	%	07.07.15 00:07
o-Terphenyl	96		87		91		40-140	%	07.06.15 18:15
2-Fluorobiphenyl	85		72		89		40-140	%	07.06.15 18:15

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **MADEP EPH** Prep Method: SW3545

Seq Number: 971710 Matrix: Soil Date Prep: 07.03.15

Parent Sample Id: 510685-002 MS Sample Id: 510685-002 S MSD Sample Id: 510685-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<22.3	190	176	93	160	84	40-140	10	40	mg/kg	07.06.15 22:59	
C9-C18 Aliphatics	<11.2	67.0	46.9	70	45.9	68	40-140	2	40	mg/kg	07.07.15 04:21	
C19-C36 Aliphatics	<11.2	89.3	78.6	88	82.1	92	40-140	4	40	mg/kg	07.07.15 04:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	54		57		40-140	%	07.07.15 04:21
o-Terphenyl	87		90		40-140	%	07.06.15 22:59
2-Fluorobiphenyl	82		79		40-140	%	07.06.15 22:59

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D
Prep Method: SW3545
Seq Number: 971822
Matrix: Solid
Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK
LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	1.67	0.823	49	35-129	mg/kg	07.07.15 13:08	
1,2-Dichlorobenzene	<0.0540	1.67	0.720	43	38-122	mg/kg	07.07.15 13:08	
1,3-Dichlorobenzene	<0.0527	1.67	0.665	40	38-120	mg/kg	07.07.15 13:08	
1,4-Dichlorobenzene	<0.0520	1.67	0.707	42	37-121	mg/kg	07.07.15 13:08	
2,4,5-Trichlorophenol	<0.0613	1.67	0.795	48	40-135	mg/kg	07.07.15 13:08	
2,4,6-Trichlorophenol	<0.0643	1.67	0.825	49	39-139	mg/kg	07.07.15 13:08	
2,4-Dichlorophenol	<0.0423	1.67	0.747	45	36-135	mg/kg	07.07.15 13:08	
2,4-Dimethylphenol	<0.0607	1.67	0.711	43	38-133	mg/kg	07.07.15 13:08	
2,4-Dinitrotoluene	<0.0537	1.67	1.42	85	48-131	mg/kg	07.07.15 13:08	
2,6-Dinitrotoluene	<0.0433	1.67	1.14	68	42-136	mg/kg	07.07.15 13:08	
2-Chloronaphthalene	<0.0607	1.67	0.772	46	32-138	mg/kg	07.07.15 13:08	
2-Chlorophenol	<0.0597	1.67	0.670	40	38-125	mg/kg	07.07.15 13:08	
2-Methylnaphthalene	<0.0510	1.67	0.746	45	36-126	mg/kg	07.07.15 13:08	
2-methylphenol	<0.0467	1.67	0.628	38	37-128	mg/kg	07.07.15 13:08	
2-Nitroaniline	<0.0447	1.67	1.14	68	30-133	mg/kg	07.07.15 13:08	
2-Nitrophenol	<0.0420	1.67	0.654	39	33-142	mg/kg	07.07.15 13:08	
3&4-Methylphenol	<0.0987	1.67	0.695	42	38-126	mg/kg	07.07.15 13:08	
3-Nitroaniline	<0.0460	1.67	1.25	75	41-135	mg/kg	07.07.15 13:08	
4,6-dinitro-2-methyl phenol	<0.0580	1.67	1.31	78	30-146	mg/kg	07.07.15 13:08	
4-Bromophenyl-phenylether	<0.0567	1.67	0.980	59	37-140	mg/kg	07.07.15 13:08	
4-chloro-3-methylphenol	<0.0477	1.67	0.804	48	40-134	mg/kg	07.07.15 13:08	
4-Chloroaniline	<0.0553	1.67	0.917	55	34-124	mg/kg	07.07.15 13:08	
4-Chlorophenyl-phenyl ether	<0.0633	1.67	1.00	60	41-131	mg/kg	07.07.15 13:08	
4-Nitroaniline	<0.0507	1.67	1.33	80	46-132	mg/kg	07.07.15 13:08	
4-Nitrophenol	<0.0410	1.67	1.22	73	21-152	mg/kg	07.07.15 13:08	
Acenaphthene	<0.0467	1.67	0.810	49	37-131	mg/kg	07.07.15 13:08	
Acenaphthylene	<0.0567	1.67	0.858	51	39-129	mg/kg	07.07.15 13:08	
Aniline (Phenylamine, Aminobenzene)	<0.0367	1.67	1.11	66	33-117	mg/kg	07.07.15 13:08	
Anthracene	<0.0493	1.67	1.38	83	39-139	mg/kg	07.07.15 13:08	
Benzo(a)anthracene	<0.0540	1.67	1.67	100	44-135	mg/kg	07.07.15 13:08	
Benzo(a)pyrene	<0.0490	1.67	1.81	108	43-153	mg/kg	07.07.15 13:08	
Benzo(b)fluoranthene	<0.0543	1.67	1.67	100	40-153	mg/kg	07.07.15 13:08	
Benzo(g,h,i)perylene	<0.0550	1.67	1.43	86	40-153	mg/kg	07.07.15 13:08	
Benzo(k)fluoranthene	<0.0573	1.67	1.58	95	33-156	mg/kg	07.07.15 13:08	
Benzyl Butyl Phthalate	<0.0500	1.67	1.80	108	43-145	mg/kg	07.07.15 13:08	
bis(2-chloroethoxy) methane	<0.0400	1.67	0.735	44	30-129	mg/kg	07.07.15 13:08	
bis(2-chloroethyl) ether	<0.0473	1.67	0.721	43	33-127	mg/kg	07.07.15 13:08	
bis(2-chloroisopropyl) ether	<0.0450	1.67	0.905	54	25-124	mg/kg	07.07.15 13:08	
bis(2-ethylhexyl) phthalate	<0.0540	1.67	1.81	108	46-145	mg/kg	07.07.15 13:08	
Chrysene	<0.0443	1.67	1.71	102	42-135	mg/kg	07.07.15 13:08	
Dibenz(a,h)Anthracene	<0.0647	1.67	1.47	88	41-155	mg/kg	07.07.15 13:08	
Dibenzofuran	<0.0427	1.67	0.920	55	39-132	mg/kg	07.07.15 13:08	
Diethyl Phthalate	<0.0537	1.67	1.36	81	45-131	mg/kg	07.07.15 13:08	
Dimethyl Phthalate	<0.0503	1.67	1.22	73	43-132	mg/kg	07.07.15 13:08	
di-n-Butyl Phthalate	<0.0613	1.67	1.42	85	43-142	mg/kg	07.07.15 13:08	
di-n-Octyl Phthalate	<0.0553	1.67	1.75	105	34-166	mg/kg	07.07.15 13:08	
Fluoranthene	<0.0433	1.67	1.30	78	41-138	mg/kg	07.07.15 13:08	
Fluorene	<0.0407	1.67	0.976	58	41-131	mg/kg	07.07.15 13:08	
Hexachlorobenzene	<0.0557	1.67	1.11	66	36-142	mg/kg	07.07.15 13:08	
Hexachlorobutadiene	<0.0370	1.67	0.741	44	35-129	mg/kg	07.07.15 13:08	
Hexachlorocyclopentadiene	<0.0573	1.67	0.774	46	16-106	mg/kg	07.07.15 13:08	
Hexachloroethane	<0.0517	1.67	0.787	47	36-121	mg/kg	07.07.15 13:08	

Terraquest Environmental Consultants, P.C.

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Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545
Seq Number: 971822 Matrix: Solid Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0607	1.67	1.52	91	39-154	mg/kg	07.07.15 13:08	
Isophorone	<0.0343	1.67	0.966	58	36-128	mg/kg	07.07.15 13:08	
Naphthalene	<0.0533	1.67	0.680	41	35-128	mg/kg	07.07.15 13:08	
Nitrobenzene	<0.0593	1.67	0.789	47	32-129	mg/kg	07.07.15 13:08	
N-Nitrosodi-n-Propylamine	<0.0477	1.67	0.728	44	34-129	mg/kg	07.07.15 13:08	
N-Nitrosodiphenylamine	<0.0700	1.67	1.55	93	27-155	mg/kg	07.07.15 13:08	
Pentachlorophenol	<0.0603	1.67	0.881	53	14-148	mg/kg	07.07.15 13:08	
Phenanthrene	<0.0553	1.67	1.35	81	37-139	mg/kg	07.07.15 13:08	
Phenol	<0.0467	1.67	0.668	40	34-127	mg/kg	07.07.15 13:08	
Pyrene	<0.0567	1.67	1.56	93	42-138	mg/kg	07.07.15 13:08	
Pyridine	<0.0633	1.67	0.854	51	30-113	mg/kg	07.07.15 13:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorophenol	73		45		25-121	%	07.07.15 13:08
Nitrobenzene-d5	80		48		23-120	%	07.07.15 13:08
2-Fluorobiphenyl	83		47		30-115	%	07.07.15 13:08
2,4,6-Tribromophenol	71		68		19-122	%	07.07.15 13:08
Terphenyl-D14	110		95		18-137	%	07.07.15 13:08
Phenol-d5	66		39		15-110	%	07.07.15 13:08

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Analytical Method: SVOCs by SW-846 8270D | Prep Method: SW3545
Seq Number: 971822 | Matrix: Soil | Date Prep: 07.02.15
Parent Sample Id: 510688-002 | MS Sample Id: 510688-002 S | MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0675	1.91	0.908	48	1.61	85	31-100	56	30	mg/kg	07.07.15 14:06	F
1,2-Dichlorobenzene	<0.0618	1.91	0.854	45	1.25	66	27-97	38	30	mg/kg	07.07.15 14:06	F
1,3-Dichlorobenzene	<0.0603	1.91	0.856	45	1.33	70	25-96	43	30	mg/kg	07.07.15 14:06	F
1,4-Dichlorobenzene	<0.0595	1.91	0.869	45	1.28	67	27-94	38	30	mg/kg	07.07.15 14:06	F
2,4,5-Trichlorophenol	<0.0702	1.91	0.984	52	1.48	78	33-110	40	30	mg/kg	07.07.15 14:06	F
2,4,6-Trichlorophenol	<0.0737	1.91	0.937	49	1.55	82	35-111	49	30	mg/kg	07.07.15 14:06	F
2,4-Dichlorophenol	<0.0485	1.91	0.830	43	1.30	68	33-103	44	30	mg/kg	07.07.15 14:06	F
2,4-Dimethylphenol	<0.0695	1.91	0.802	42	1.30	68	28-109	47	30	mg/kg	07.07.15 14:06	F
2,4-Dinitrotoluene	<0.0614	1.91	1.30	68	1.60	84	35-122	21	30	mg/kg	07.07.15 14:06	
2,6-Dinitrotoluene	<0.0496	1.91	1.06	55	1.54	81	35-119	37	30	mg/kg	07.07.15 14:06	F
2-Chloronaphthalene	<0.0695	1.91	0.876	46	1.52	80	32-108	54	30	mg/kg	07.07.15 14:06	F
2-Chlorophenol	<0.0683	1.91	0.844	44	1.24	65	25-102	38	30	mg/kg	07.07.15 14:06	F
2-Methylnaphthalene	<0.0584	1.91	0.840	44	1.40	74	22-104	50	30	mg/kg	07.07.15 14:06	F
2-methylphenol	<0.0534	1.91	0.732	38	1.23	65	27-104	51	30	mg/kg	07.07.15 14:06	F
2-Nitroaniline	<0.0511	1.91	1.10	58	1.52	80	20-128	32	30	mg/kg	07.07.15 14:06	F
2-Nitrophenol	<0.0481	1.91	0.756	40	1.34	71	30-104	56	30	mg/kg	07.07.15 14:06	F
3&4-Methylphenol	<0.113	1.91	0.792	41	1.24	65	30-111	44	30	mg/kg	07.07.15 14:06	F
3-Nitroaniline	<0.0527	1.91	1.15	60	1.46	77	22-117	24	30	mg/kg	07.07.15 14:06	
4,6-dinitro-2-methyl phenol	<0.0664	1.91	1.37	72	1.64	86	3-130	18	30	mg/kg	07.07.15 14:06	
4-Bromophenyl-phenylether	<0.0649	1.91	0.981	51	1.36	72	38-115	32	30	mg/kg	07.07.15 14:06	F
4-chloro-3-methylphenol	<0.0546	1.91	0.870	46	1.34	71	26-116	43	30	mg/kg	07.07.15 14:06	F
4-Chloroaniline	<0.0634	1.91	1.01	53	1.56	82	4-104	43	30	mg/kg	07.07.15 14:06	F
4-Chlorophenyl-phenyl ether	<0.0725	1.91	1.09	57	1.46	77	34-114	29	30	mg/kg	07.07.15 14:06	
4-Nitroaniline	<0.0580	1.91	1.40	73	1.62	85	28-117	15	30	mg/kg	07.07.15 14:06	
4-Nitrophenol	<0.0469	1.91	1.19	62	1.51	79	12-137	24	30	mg/kg	07.07.15 14:06	
Acenaphthene	<0.0534	1.91	0.909	48	1.40	74	31-111	43	30	mg/kg	07.07.15 14:06	F
Acenaphthylene	<0.0649	1.91	0.895	47	1.49	78	36-122	50	30	mg/kg	07.07.15 14:06	F
Aniline (Phenylamine, Aminobenzene)	<0.0420	1.91	1.18	62	2.11	111	20-120	57	30	mg/kg	07.07.15 14:06	F
Anthracene	<0.0565	1.91	1.44	75	1.79	94	33-118	22	30	mg/kg	07.07.15 14:06	
Benzo(a)anthracene	<0.0618	1.91	1.66	87	1.76	93	31-136	6	30	mg/kg	07.07.15 14:06	
Benzo(a)pyrene	<0.0561	1.91	1.82	95	1.82	96	44-105	0	30	mg/kg	07.07.15 14:06	
Benzo(b)fluoranthene	<0.0622	1.91	1.73	91	1.72	91	29-120	1	30	mg/kg	07.07.15 14:06	
Benzo(g,h,i)perylene	<0.0630	1.91	1.59	83	1.62	85	35-126	2	30	mg/kg	07.07.15 14:06	
Benzo(k)fluoranthene	<0.0656	1.91	1.58	83	1.60	84	37-123	1	30	mg/kg	07.07.15 14:06	
Benzyl Butyl Phthalate	<0.0572	1.91	1.88	98	1.68	88	35-122	11	30	mg/kg	07.07.15 14:06	
bis(2-chloroethoxy) methane	<0.0458	1.91	0.817	43	1.41	74	31-106	53	30	mg/kg	07.07.15 14:06	F
bis(2-chloroethyl) ether	<0.0542	1.91	0.962	50	1.41	74	24-103	38	30	mg/kg	07.07.15 14:06	F
bis(2-chloroisopropyl) ether	<0.0515	1.91	1.03	54	1.69	89	32-103	49	30	mg/kg	07.07.15 14:06	F
bis(2-ethylhexyl) phthalate	<0.0618	1.91	1.82	95	1.82	96	32-129	0	30	mg/kg	07.07.15 14:06	
Chrysene	<0.0508	1.91	1.74	91	1.78	94	34-122	2	30	mg/kg	07.07.15 14:06	
Dibenz(a,h)Anthracene	<0.0740	1.91	1.58	83	1.60	84	36-124	1	30	mg/kg	07.07.15 14:06	
Dibenzofuran	<0.0488	1.91	0.974	51	1.51	79	31-107	43	30	mg/kg	07.07.15 14:06	F
Diethyl Phthalate	<0.0614	1.91	1.33	70	1.53	81	34-118	14	30	mg/kg	07.07.15 14:06	
Dimethyl Phthalate	<0.0576	1.91	1.09	57	1.51	79	36-115	32	30	mg/kg	07.07.15 14:06	F
di-n-Butyl Phthalate	<0.0702	1.91	1.47	77	1.54	81	37-121	5	30	mg/kg	07.07.15 14:06	
di-n-Octyl Phthalate	<0.0634	1.91	1.83	96	1.77	93	35-126	3	30	mg/kg	07.07.15 14:06	
Fluoranthene	<0.0496	1.91	1.60	84	1.75	92	15-135	9	30	mg/kg	07.07.15 14:06	
Fluorene	<0.0466	1.91	1.04	54	1.40	74	31-117	30	30	mg/kg	07.07.15 14:06	
Hexachlorobenzene	<0.0637	1.91	1.14	60	1.49	78	38-116	27	30	mg/kg	07.07.15 14:06	
Hexachlorobutadiene	<0.0424	1.91	0.852	45	1.38	73	30-98	47	30	mg/kg	07.07.15 14:06	F
Hexachlorocyclopentadiene	<0.0656	1.91	0.924	48	1.75	92	12-194	62	30	mg/kg	07.07.15 14:06	F
Hexachloroethane	<0.0592	1.91	0.937	49	1.39	73	27-98	39	30	mg/kg	07.07.15 14:06	F

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Analytical Method: SVOCs by SW-846 8270D — Prep Method: SW3545
Seq Number: 971822 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0695	1.91	1.61	84	1.60	84	30-129	1	30	mg/kg	07.07.15 14:06	
Isophorone	<0.0393	1.91	0.908	48	1.69	89	11-139	60	30	mg/kg	07.07.15 14:06	F
Naphthalene	<0.0611	1.91	0.830	43	1.37	72	31-100	49	30	mg/kg	07.07.15 14:06	F
Nitrobenzene	<0.0679	1.91	0.920	48	1.50	79	27-106	48	30	mg/kg	07.07.15 14:06	F
N-Nitrosodi-n-Propylamine	<0.0546	1.91	0.856	45	1.49	78	26-122	54	30	mg/kg	07.07.15 14:06	F
N-Nitrosodiphenylamine	<0.0801	1.91	1.55	81	2.01	106	38-127	26	30	mg/kg	07.07.15 14:06	
Pentachlorophenol	<0.0691	1.91	1.03	54	1.24	65	14-128	19	30	mg/kg	07.07.15 14:06	
Phenanthrene	<0.0634	1.91	1.40	73	1.79	94	34-115	24	30	mg/kg	07.07.15 14:06	
Phenol	<0.0534	1.91	0.794	42	1.18	62	23-104	39	30	mg/kg	07.07.15 14:06	F
Pyrene	<0.0649	1.91	1.90	99	1.92	101	33-112	1	30	mg/kg	07.07.15 14:06	
Pyridine	<0.0725	1.91	0.432	23	1.37	72	1-106	104	30	mg/kg	07.07.15 14:06	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	42		68		25-121	%	07.07.15 14:06
Nitrobenzene-d5	49		84		23-120	%	07.07.15 14:06
2-Fluorobiphenyl	46		79		30-115	%	07.07.15 14:06
2,4,6-Tribromophenol	61		80		19-122	%	07.07.15 14:06
Terphenyl-D14	90		87		18-137	%	07.07.15 14:06
Phenol-d5	44		65		15-110	%	07.07.15 14:06

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694608-1-BLK — LCS Sample Id: 694608-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<2.56	33.3	25.6	77	49-114	mg/kg	07.02.15 13:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
o-Terphenyl	72		85		32-128	%	07.02.15 13:29

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510460-003 — MS Sample Id: 510460-003 S — MSD Sample Id: 510460-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<5.95	77.4	26.7	34	43.6	56	32-119	48	20	mg/kg	07.02.15 16:22	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	57		74		32-128	%	07.02.15 16:22

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Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Solid — Date Prep: 07.02.15
MB Sample Id: 694721-1-BLK — LCS Sample Id: 694721-1-BKS — LCSD Sample Id: 694721-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.000150	0.150	0.142	95	0.150	100	70-130	5	25	mg/kg	07.02.15 12:51	
C9-C12 Aliphatics	<0.000150	0.150	0.149	99	0.144	96	70-130	3	25	mg/kg	07.02.15 12:51	
C9-C10 Aromatics	<0.0000500	0.0500	0.0501	100	0.0510	102	70-130	2	25	mg/kg	07.02.15 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	113		97		105		70-130	%	07.02.15 12:51
2,5-Dibromotoluene (PID)	116		103		106		70-130	%	07.02.15 12:51

Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.00638	6.38	6.23	98	5.98	94	70-130	4	25	mg/kg	07.03.15 05:13	
C9-C12 Aliphatics	5.99	6.38	8.26	36	8.44	38	70-130	2	25	mg/kg	07.03.15 05:13	X
C9-C10 Aromatics	2.49	2.13	3.42	44	3.36	41	70-130	2	25	mg/kg	07.03.15 05:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	101		100		70-130	%	07.03.15 05:13
2,5-Dibromotoluene (PID)	109		109		70-130	%	07.03.15 05:13

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694652-1-BLK — LCS Sample Id: 694652-1-BKS — LCSD Sample Id: 694652-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.029	1.0	0.90	90	0.91	91	64-114	1	25	mg/kg	07.01.15 19:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	91		103		109		57-131	%	07.01.15 19:00

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510640-001 — MS Sample Id: 510640-001 S — MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	11	70	64	76	56	64	64-114	13	25	mg/kg	07.02.15 00:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	93		77		57-131	%	07.02.15 00:25

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Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971495 | Matrix: Solid | Date Prep: 07.01.15

MB Sample Id: 694659-1-BLK | LCS Sample Id: 694659-1-BKS | LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.053	106	0.051	102	75-145	4	20	mg/kg	07.01.15 16:36	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.042	84	0.043	86	78-120	2	20	mg/kg	07.01.15 16:36	
1,1,2-Trichloroethane	<0.00067	0.050	0.042	84	0.043	86	81-115	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethane	<0.00080	0.050	0.053	106	0.052	104	73-131	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethene	<0.0012	0.050	0.058	116	0.057	114	67-144	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloropropene	<0.00054	0.050	0.052	104	0.050	100	83-141	4	20	mg/kg	07.01.15 16:36	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.048	96	0.047	94	59-168	2	20	mg/kg	07.01.15 16:36	
1,2,3-Trichloropropane	<0.0016	0.050	0.040	80	0.041	82	73-129	2	20	mg/kg	07.01.15 16:36	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.052	104	0.050	100	61-170	4	20	mg/kg	07.01.15 16:36	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.051	102	0.049	98	73-145	4	20	mg/kg	07.01.15 16:36	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.043	86	0.044	88	81-121	2	20	mg/kg	07.01.15 16:36	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloroethane	<0.00060	0.050	0.043	86	0.044	88	63-150	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloropropane	<0.00093	0.050	0.046	92	0.046	92	76-121	0	20	mg/kg	07.01.15 16:36	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.052	104	0.050	100	69-152	4	20	mg/kg	07.01.15 16:36	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.01.15 16:36	
1,3-Dichloropropane	<0.00069	0.050	0.043	86	0.045	90	82-117	5	20	mg/kg	07.01.15 16:36	
1,4-Dichlorobenzene	<0.00068	0.050	0.046	92	0.045	90	74-143	2	20	mg/kg	07.01.15 16:36	
2,2-Dichloropropane	<0.00060	0.050	0.057	114	0.055	110	67-153	4	20	mg/kg	07.01.15 16:36	
2-Butanone (MEK)	<0.0023	0.10	0.069	69	0.077	77	44-158	11	20	mg/kg	07.01.15 16:36	
2-Chlorotoluene	<0.00071	0.050	0.051	102	0.049	98	74-143	4	20	mg/kg	07.01.15 16:36	
2-Hexanone	<0.0011	0.10	0.076	76	0.084	84	59-154	10	20	mg/kg	07.01.15 16:36	
4-Chlorotoluene	<0.00055	0.050	0.051	102	0.049	98	76-140	4	20	mg/kg	07.01.15 16:36	
4-Isopropyltoluene	<0.00080	0.050	0.054	108	0.052	104	50-173	4	20	mg/kg	07.01.15 16:36	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.072	72	0.082	82	65-132	13	20	mg/kg	07.01.15 16:36	
Acetone	<0.0069	0.10	0.066	66	0.074	74	43-163	11	20	mg/kg	07.01.15 16:36	
Benzene	<0.00051	0.050	0.047	94	0.047	94	65-135	0	20	mg/kg	07.01.15 16:36	
Bromobenzene	<0.00085	0.050	0.048	96	0.047	94	83-120	2	20	mg/kg	07.01.15 16:36	
Bromochloromethane	<0.0010	0.050	0.045	90	0.046	92	79-126	2	20	mg/kg	07.01.15 16:36	
Bromodichloromethane	<0.00050	0.050	0.048	96	0.049	98	80-135	2	20	mg/kg	07.01.15 16:36	
Bromoform	<0.00096	0.050	0.043	86	0.043	86	71-135	0	20	mg/kg	07.01.15 16:36	
Bromomethane	<0.0025	0.050	0.065	130	0.064	128	51-149	2	20	mg/kg	07.01.15 16:36	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.051	102	70-156	4	20	mg/kg	07.01.15 16:36	
Chlorobenzene	<0.00058	0.050	0.047	94	0.047	94	76-131	0	20	mg/kg	07.01.15 16:36	
Chlorodibromomethane	<0.00099	0.050	0.042	84	0.044	88	81-136	5	20	mg/kg	07.01.15 16:36	
Chloroethane	<0.0024	0.050	0.065	130	0.064	128	64-131	2	20	mg/kg	07.01.15 16:36	
Chloroform	<0.00074	0.050	0.049	98	0.048	96	78-125	2	20	mg/kg	07.01.15 16:36	
Chloromethane	<0.0023	0.050	0.054	108	0.053	106	59-127	2	20	mg/kg	07.01.15 16:36	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.048	96	80-123	0	20	mg/kg	07.01.15 16:36	
cis-1,3-Dichloropropene	<0.00054	0.050	0.050	100	0.051	102	81-123	2	20	mg/kg	07.01.15 16:36	
Dichlorodifluoromethane	<0.0012	0.050	0.087	174	0.082	164	33-161	6	20	mg/kg	07.01.15 16:36	H
Ethanol	<0.028	2.0	1.3	65	1.4	70	56-147	7	20	mg/kg	07.01.15 16:36	
Ethylbenzene	<0.00057	0.050	0.050	100	0.049	98	65-139	2	20	mg/kg	07.01.15 16:36	
Isopropyl Ether	<0.0013	0.050	0.051	102	0.052	104	74-125	2	20	mg/kg	07.01.15 16:36	
Isopropylbenzene	<0.00076	0.050	0.053	106	0.051	102	65-153	4	20	mg/kg	07.01.15 16:36	
m,p-Xylenes	<0.00121	0.100	0.0994	99	0.0972	97	75-141	2	20	mg/kg	07.01.15 16:36	
Methyl tert-butyl ether	<0.00069	0.10	0.095	95	0.10	100	70-131	5	20	mg/kg	07.01.15 16:36	
Methylene chloride	<0.0022	0.050	0.056	112	0.060	120	65-137	7	20	mg/kg	07.01.15 16:36	
Naphthalene	<0.0013	0.050	0.042	84	0.043	86	68-151	2	20	mg/kg	07.01.15 16:36	
n-Butylbenzene	<0.00088	0.050	0.055	110	0.051	102	43-199	8	20	mg/kg	07.01.15 16:36	
n-Propylbenzene	<0.00078	0.050	0.052	104	0.050	100	60-161	4	20	mg/kg	07.01.15 16:36	
o-Xylene	<0.000716	0.0500	0.0493	99	0.0488	98	73-141	1	20	mg/kg	07.01.15 16:36	

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035
Seq Number: 971495 Matrix: Solid Date Prep: 07.01.15
MB Sample Id: 694659-1-BLK LCS Sample Id: 694659-1-BKS LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.052	104	0.050	100	44-179	4	20	mg/kg	07.01.15 16:36	
Styrene	<0.00074	0.050	0.043	86	0.043	86	82-129	0	20	mg/kg	07.01.15 16:36	
tert-Butylbenzene	<0.00083	0.050	0.053	106	0.050	100	56-163	6	20	mg/kg	07.01.15 16:36	
Tetrachloroethene	<0.0010	0.050	0.048	96	0.047	94	78-144	2	20	mg/kg	07.01.15 16:36	
Toluene	<0.00059	0.050	0.049	98	0.048	96	83-115	2	20	mg/kg	07.01.15 16:36	
trans-1,2-Dichloroethene	<0.00078	0.050	0.057	114	0.056	112	72-132	2	20	mg/kg	07.01.15 16:36	
trans-1,3-Dichloropropene	<0.00067	0.050	0.045	90	0.046	92	82-132	2	20	mg/kg	07.01.15 16:36	
Trichloroethene	<0.00071	0.050	0.048	96	0.046	92	80-126	4	20	mg/kg	07.01.15 16:36	
Trichlorofluoromethane	<0.0035	0.050	0.055	110	0.051	102	55-155	8	20	mg/kg	07.01.15 16:36	
Vinyl acetate	<0.00072	0.050	0.040	80	0.044	88	57-146	10	20	mg/kg	07.01.15 16:36	
Vinyl chloride	<0.0020	0.050	0.064	128	0.061	122	70-130	5	20	mg/kg	07.01.15 16:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		94		94		50-150	%	07.01.15 16:36
4-Bromofluorobenzene	104		102		100		57-158	%	07.01.15 16:36
Toluene-D8	100		100		100		50-150	%	07.01.15 16:36

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971611 | Matrix: Solid | Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK | LCS Sample Id: 694724-1-BKS | LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.051	102	0.048	96	75-145	6	20	mg/kg	07.03.15 12:44	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.049	98	0.051	102	78-120	4	20	mg/kg	07.03.15 12:44	
1,1,2-Trichloroethane	<0.00067	0.050	0.047	94	0.046	92	81-115	2	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethane	<0.00080	0.050	0.049	98	0.049	98	73-131	0	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethene	<0.0012	0.050	0.051	102	0.048	96	67-144	6	20	mg/kg	07.03.15 12:44	
1,1-Dichloropropene	<0.00054	0.050	0.050	100	0.046	92	83-141	8	20	mg/kg	07.03.15 12:44	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.050	100	59-168	0	20	mg/kg	07.03.15 12:44	
1,2,3-Trichloropropane	<0.0016	0.050	0.048	96	0.047	94	73-129	2	20	mg/kg	07.03.15 12:44	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.051	102	61-170	4	20	mg/kg	07.03.15 12:44	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.049	98	0.047	94	81-121	4	20	mg/kg	07.03.15 12:44	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloroethane	<0.00060	0.050	0.048	96	0.047	94	63-150	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloropropane	<0.00093	0.050	0.047	94	0.045	90	76-121	4	20	mg/kg	07.03.15 12:44	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.049	98	0.047	94	69-152	4	20	mg/kg	07.03.15 12:44	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,3-Dichloropropane	<0.00069	0.050	0.047	94	0.046	92	82-117	2	20	mg/kg	07.03.15 12:44	
1,4-Dichlorobenzene	<0.00068	0.050	0.047	94	0.045	90	74-143	4	20	mg/kg	07.03.15 12:44	
2,2-Dichloropropane	<0.00060	0.050	0.054	108	0.050	100	67-153	8	20	mg/kg	07.03.15 12:44	
2-Butanone (MEK)	<0.0023	0.10	0.097	97	0.095	95	44-158	2	20	mg/kg	07.03.15 12:44	
2-Chlorotoluene	<0.00071	0.050	0.049	98	0.047	94	74-143	4	20	mg/kg	07.03.15 12:44	
2-Hexanone	<0.0011	0.10	0.11	110	0.10	100	59-154	10	20	mg/kg	07.03.15 12:44	
4-Chlorotoluene	<0.00055	0.050	0.048	96	0.047	94	76-140	2	20	mg/kg	07.03.15 12:44	
4-Isopropyltoluene	<0.00080	0.050	0.050	100	0.049	98	50-173	2	20	mg/kg	07.03.15 12:44	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.098	98	0.096	96	65-132	2	20	mg/kg	07.03.15 12:44	
Acetone	<0.0069	0.10	0.099	99	0.095	95	43-163	4	20	mg/kg	07.03.15 12:44	
Benzene	<0.00051	0.050	0.048	96	0.045	90	65-135	6	20	mg/kg	07.03.15 12:44	
Bromobenzene	<0.00085	0.050	0.047	94	0.047	94	83-120	0	20	mg/kg	07.03.15 12:44	
Bromochloromethane	<0.0010	0.050	0.048	96	0.047	94	79-126	2	20	mg/kg	07.03.15 12:44	
Bromodichloromethane	<0.00050	0.050	0.046	92	0.045	90	80-135	2	20	mg/kg	07.03.15 12:44	
Bromoform	<0.00096	0.050	0.050	100	0.050	100	71-135	0	20	mg/kg	07.03.15 12:44	
Bromomethane	<0.0025	0.050	0.059	118	0.056	112	51-149	5	20	mg/kg	07.03.15 12:44	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.050	100	70-156	6	20	mg/kg	07.03.15 12:44	
Chlorobenzene	<0.00058	0.050	0.049	98	0.046	92	76-131	6	20	mg/kg	07.03.15 12:44	
Chlorodibromomethane	<0.00099	0.050	0.047	94	0.046	92	81-136	2	20	mg/kg	07.03.15 12:44	
Chloroethane	<0.0024	0.050	0.050	100	0.046	92	64-131	8	20	mg/kg	07.03.15 12:44	
Chloroform	<0.00074	0.050	0.049	98	0.046	92	78-125	6	20	mg/kg	07.03.15 12:44	
Chloromethane	<0.0023	0.050	0.048	96	0.046	92	59-127	4	20	mg/kg	07.03.15 12:44	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.046	92	80-123	4	20	mg/kg	07.03.15 12:44	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.050	100	81-123	2	20	mg/kg	07.03.15 12:44	
Dichlorodifluoromethane	<0.0012	0.050	0.052	104	0.048	96	33-161	8	20	mg/kg	07.03.15 12:44	
Ethanol	<0.028	2.0	1.7	85	1.8	90	56-147	6	20	mg/kg	07.03.15 12:44	
Ethylbenzene	<0.00057	0.050	0.049	98	0.047	94	65-139	4	20	mg/kg	07.03.15 12:44	
Isopropyl Ether	<0.0013	0.050	0.048	96	0.047	94	74-125	2	20	mg/kg	07.03.15 12:44	
Isopropylbenzene	<0.00076	0.050	0.050	100	0.048	96	65-153	4	20	mg/kg	07.03.15 12:44	
m,p-Xylenes	<0.00121	0.100	0.0990	99	0.0943	94	75-141	5	20	mg/kg	07.03.15 12:44	
Methyl tert-butyl ether	<0.00069	0.10	0.097	97	0.096	96	70-131	1	20	mg/kg	07.03.15 12:44	
Methylene chloride	<0.0022	0.050	0.050	100	0.050	100	65-137	0	20	mg/kg	07.03.15 12:44	
Naphthalene	<0.0013	0.050	0.049	98	0.049	98	68-151	0	20	mg/kg	07.03.15 12:44	
n-Butylbenzene	<0.00088	0.050	0.051	102	0.048	96	43-199	6	20	mg/kg	07.03.15 12:44	
n-Propylbenzene	<0.00078	0.050	0.049	98	0.048	96	60-161	2	20	mg/kg	07.03.15 12:44	
o-Xylene	<0.000716	0.0500	0.0492	98	0.0472	94	73-141	4	20	mg/kg	07.03.15 12:44	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971611 Matrix: Solid Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK LCS Sample Id: 694724-1-BKS LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.049	98	0.048	96	44-179	2	20	mg/kg	07.03.15 12:44	
Styrene	<0.00074	0.050	0.049	98	0.048	96	82-129	2	20	mg/kg	07.03.15 12:44	
tert-Butylbenzene	<0.00083	0.050	0.049	98	0.048	96	56-163	2	20	mg/kg	07.03.15 12:44	
Tetrachloroethene	<0.0010	0.050	0.049	98	0.046	92	78-144	6	20	mg/kg	07.03.15 12:44	
Toluene	<0.00059	0.050	0.048	96	0.046	92	83-115	4	20	mg/kg	07.03.15 12:44	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	07.03.15 12:44	
trans-1,3-Dichloropropene	<0.00067	0.050	0.048	96	0.046	92	82-132	4	20	mg/kg	07.03.15 12:44	
Trichloroethene	<0.00071	0.050	0.049	98	0.046	92	80-126	6	20	mg/kg	07.03.15 12:44	
Trichlorofluoromethane	<0.0035	0.050	0.058	116	0.055	110	55-155	5	20	mg/kg	07.03.15 12:44	
Vinyl acetate	<0.00072	0.050	0.051	102	0.050	100	57-146	2	20	mg/kg	07.03.15 12:44	
Vinyl chloride	<0.0020	0.050	0.050	100	0.050	100	70-130	0	20	mg/kg	07.03.15 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	112		102		104		50-150	%	07.03.15 12:44
4-Bromofluorobenzene	105		101		101		57-158	%	07.03.15 12:44
Toluene-D8	98		100		97		50-150	%	07.03.15 12:44

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	50.8	102	65-130	ug/L	07.02.15 10:15	
1,1,2,2-Tetrachloroethane	<0.180	50.0	45.5	91	65-130	ug/L	07.02.15 10:15	
1,1,2-Trichloroethane	<0.250	50.0	47.7	95	75-125	ug/L	07.02.15 10:15	
1,1-Dichloroethane	<0.110	50.0	47.0	94	70-135	ug/L	07.02.15 10:15	
1,1-Dichloroethene	<0.200	50.0	53.1	106	70-130	ug/L	07.02.15 10:15	
1,1-Dichloropropene	<0.100	50.0	49.8	100	75-130	ug/L	07.02.15 10:15	
1,2,3-Trichlorobenzene	<0.250	50.0	62.4	125	55-140	ug/L	07.02.15 10:15	
1,2,3-Trichloropropane	<0.210	50.0	50.1	100	75-125	ug/L	07.02.15 10:15	
1,2,4-Trichlorobenzene	<0.170	50.0	52.0	104	65-135	ug/L	07.02.15 10:15	
1,2,4-Trimethylbenzene	<0.140	50.0	50.9	102	75-130	ug/L	07.02.15 10:15	
1,2-Dibromoethane (EDB)	<0.180	50.0	49.3	99	80-120	ug/L	07.02.15 10:15	
1,2-Dichlorobenzene	<0.140	50.0	48.7	97	70-120	ug/L	07.02.15 10:15	
1,2-Dichloroethane	<0.180	50.0	52.0	104	70-130	ug/L	07.02.15 10:15	
1,2-Dichloropropane	<0.150	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
1,3,5-Trimethylbenzene	<0.170	50.0	50.0	100	75-130	ug/L	07.02.15 10:15	
1,3-Dichlorobenzene	<0.170	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
1,3-Dichloropropane	<0.190	50.0	51.0	102	75-125	ug/L	07.02.15 10:15	
1,4-Dichlorobenzene	<0.170	50.0	49.2	98	75-125	ug/L	07.02.15 10:15	
2,2-Dichloropropane	<0.210	50.0	46.2	92	70-130	ug/L	07.02.15 10:15	
2-Butanone (MEK)	<0.280	100	87.6	88	30-150	ug/L	07.02.15 10:15	
2-Chlorotoluene	<0.190	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
2-Hexanone	<0.320	100	95.4	95	55-130	ug/L	07.02.15 10:15	
4-Chlorotoluene	<0.130	50.0	49.2	98	75-130	ug/L	07.02.15 10:15	
4-Isopropyltoluene	<0.130	50.0	48.4	97	75-130	ug/L	07.02.15 10:15	
4-Methyl-2-pentanone (MIBK)	<0.260	100	92.2	92	60-135	ug/L	07.02.15 10:15	
Acetone	<0.350	100	112	112	40-140	ug/L	07.02.15 10:15	
Benzene	<0.160	50.0	51.2	102	80-120	ug/L	07.02.15 10:15	
Bromobenzene	<0.210	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
Bromochloromethane	<0.200	50.0	55.2	110	65-130	ug/L	07.02.15 10:15	
Bromodichloromethane	<0.250	50.0	48.3	97	75-120	ug/L	07.02.15 10:15	
Bromoform	<0.170	50.0	37.9	76	70-130	ug/L	07.02.15 10:15	
Bromomethane	<0.250	50.0	62.0	124	30-145	ug/L	07.02.15 10:15	
Carbon tetrachloride	<0.330	50.0	51.2	102	65-140	ug/L	07.02.15 10:15	
Chlorobenzene	<0.150	50.0	51.0	102	80-120	ug/L	07.02.15 10:15	
Chlorodibromomethane	<0.150	50.0	44.9	90	60-135	ug/L	07.02.15 10:15	
Chloroethane	<0.260	50.0	56.3	113	60-135	ug/L	07.02.15 10:15	
Chloroform	<0.160	50.0	51.2	102	65-135	ug/L	07.02.15 10:15	
Chloromethane	<0.250	50.0	60.9	122	40-125	ug/L	07.02.15 10:15	
cis-1,2-Dichloroethene	<0.210	50.0	49.8	100	70-125	ug/L	07.02.15 10:15	
cis-1,3-Dichloropropene	<0.100	50.0	49.0	98	70-130	ug/L	07.02.15 10:15	
Dichlorodifluoromethane	<0.220	50.0	49.6	99	30-155	ug/L	07.02.15 10:15	
Ethanol	<8.00	2000	1900	95	65-135	ug/L	07.02.15 10:15	
Ethylbenzene	<0.190	50.0	51.9	104	75-125	ug/L	07.02.15 10:15	
Isopropyl ether	<0.0800	50.0	49.9	100	65-135	ug/L	07.02.15 10:15	
Isopropylbenzene	<0.150	50.0	51.1	102	75-125	ug/L	07.02.15 10:15	
m,p-Xylenes	<0.510	100	102	102	75-130	ug/L	07.02.15 10:15	
Methyl tert-butyl ether	<0.180	100	97.7	98	65-125	ug/L	07.02.15 10:15	
Methylene chloride	<0.420	50.0	54.1	108	55-140	ug/L	07.02.15 10:15	
Naphthalene	<0.220	50.0	52.8	106	55-140	ug/L	07.02.15 10:15	
n-Butylbenzene	<0.170	50.0	50.3	101	70-130	ug/L	07.02.15 10:15	
n-Propylbenzene	<0.180	50.0	50.2	100	70-130	ug/L	07.02.15 10:15	
o-Xylene	<0.200	50.0	53.4	107	80-120	ug/L	07.02.15 10:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	49.2	98	70-125	ug/L	07.02.15 10:15	
Styrene	<0.180	50.0	53.1	106	65-135	ug/L	07.02.15 10:15	
tert-Butylbenzene	<0.180	50.0	50.0	100	70-130	ug/L	07.02.15 10:15	
Tetrachloroethene	<0.160	50.0	53.4	107	45-150	ug/L	07.02.15 10:15	
Toluene	<0.140	50.0	50.9	102	75-120	ug/L	07.02.15 10:15	
trans-1,2-Dichloroethene	<0.210	50.0	58.5	117	60-140	ug/L	07.02.15 10:15	
trans-1,3-Dichloropropene	<0.110	50.0	48.3	97	55-140	ug/L	07.02.15 10:15	
Trichloroethene	<0.190	50.0	51.1	102	70-125	ug/L	07.02.15 10:15	
Trichlorofluoromethane	<0.530	50.0	57.8	116	60-145	ug/L	07.02.15 10:15	
Vinyl acetate	<0.720	50.0	48.0	96	65-135	ug/L	07.02.15 10:15	
Vinyl chloride	<0.190	50.0	56.5	113	50-145	ug/L	07.02.15 10:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	79		99		53-159	%	07.02.15 10:15
4-Bromofluorobenzene	99		101		30-186	%	07.02.15 10:15
Toluene-D8	97		98		70-130	%	07.02.15 10:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00089	0.059	0.042	71	0.041	69	62-137	2	20	mg/kg	07.02.15 00:15	
1,1,2,2-Tetrachloroethane	<0.0014	0.059	0.040	68	0.040	68	64-128	0	20	mg/kg	07.02.15 00:15	
1,1,2-Trichloroethane	<0.00079	0.059	0.042	71	0.041	69	61-130	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethane	<0.00095	0.059	0.046	78	0.045	76	65-136	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethene	<0.0014	0.059	0.048	81	0.047	80	33-158	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloropropene	<0.00064	0.059	0.042	71	0.041	69	42-152	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichlorobenzene	<0.00068	0.059	0.043	73	0.042	71	48-135	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichloropropane	<0.0019	0.059	0.041	69	0.040	68	58-134	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trichlorobenzene	<0.0010	0.059	0.046	78	0.045	76	43-139	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trimethylbenzene	<0.00085	0.059	0.058	98	0.055	93	66-134	5	20	mg/kg	07.02.15 00:15	
1,2-Dibromoethane (EDB)	<0.0010	0.059	0.043	73	0.041	69	69-132	5	20	mg/kg	07.02.15 00:15	
1,2-Dichlorobenzene	<0.0015	0.059	0.041	69	0.041	69	71-120	0	20	mg/kg	07.02.15 00:15	X
1,2-Dichloroethane	<0.00071	0.059	0.037	63	0.037	63	53-140	0	20	mg/kg	07.02.15 00:15	
1,2-Dichloropropane	<0.0011	0.059	0.043	73	0.043	73	68-126	0	20	mg/kg	07.02.15 00:15	
1,3,5-Trimethylbenzene	<0.00096	0.059	0.046	78	0.046	78	67-134	0	20	mg/kg	07.02.15 00:15	
1,3-Dichlorobenzene	<0.0012	0.059	0.040	68	0.040	68	68-127	0	20	mg/kg	07.02.15 00:15	
1,3-Dichloropropane	<0.00081	0.059	0.043	73	0.043	73	70-129	0	20	mg/kg	07.02.15 00:15	
1,4-Dichlorobenzene	<0.00081	0.059	0.039	66	0.039	66	72-118	0	20	mg/kg	07.02.15 00:15	X
2,2-Dichloropropane	<0.00071	0.059	0.045	76	0.043	73	68-151	5	20	mg/kg	07.02.15 00:15	
2-Butanone (MEK)	<0.0027	0.12	0.072	60	0.071	59	42-147	1	20	mg/kg	07.02.15 00:15	
2-Chlorotoluene	<0.00084	0.059	0.044	75	0.043	73	68-127	2	20	mg/kg	07.02.15 00:15	
2-Hexanone	<0.0013	0.12	0.079	66	0.080	67	32-142	1	20	mg/kg	07.02.15 00:15	
4-Chlorotoluene	<0.00065	0.059	0.041	69	0.041	69	68-127	0	20	mg/kg	07.02.15 00:15	
4-Isopropyltoluene	<0.00095	0.059	0.047	80	0.047	80	64-135	0	20	mg/kg	07.02.15 00:15	
4-Methyl-2-pentanone (MIBK)	<0.0038	0.12	0.077	64	0.074	62	34-149	4	20	mg/kg	07.02.15 00:15	
Acetone	<0.0081	0.12	0.063	53	0.059	49	43-163	7	20	mg/kg	07.02.15 00:15	
Benzene	<0.00061	0.059	0.042	71	0.041	69	65-135	2	20	mg/kg	07.02.15 00:15	
Bromobenzene	<0.0010	0.059	0.040	68	0.040	68	67-121	0	20	mg/kg	07.02.15 00:15	
Bromochloromethane	<0.0012	0.059	0.043	73	0.041	69	66-137	5	20	mg/kg	07.02.15 00:15	
Bromodichloromethane	<0.00059	0.059	0.041	69	0.038	64	60-129	8	20	mg/kg	07.02.15 00:15	
Bromoform	<0.0011	0.059	0.037	63	0.035	59	48-147	6	20	mg/kg	07.02.15 00:15	
Bromomethane	<0.0029	0.059	0.027	46	0.029	49	42-170	7	20	mg/kg	07.02.15 00:15	
Carbon tetrachloride	<0.00088	0.059	0.037	63	0.036	61	71-117	3	20	mg/kg	07.02.15 00:15	X
Chlorobenzene	<0.00068	0.059	0.042	71	0.041	69	71-117	2	20	mg/kg	07.02.15 00:15	X
Chlorodibromomethane	<0.0012	0.059	0.039	66	0.036	61	59-135	8	20	mg/kg	07.02.15 00:15	
Chloroethane	<0.0029	0.059	0.048	81	0.056	95	44-166	15	20	mg/kg	07.02.15 00:15	
Chloroform	<0.00088	0.059	0.040	68	0.040	68	62-127	0	20	mg/kg	07.02.15 00:15	
Chloromethane	<0.0027	0.059	0.040	68	0.038	64	34-157	5	20	mg/kg	07.02.15 00:15	
cis-1,2-Dichloroethene	<0.00078	0.059	0.044	75	0.043	73	41-155	2	20	mg/kg	07.02.15 00:15	
cis-1,3-Dichloropropene	<0.00064	0.059	0.048	81	0.046	78	63-128	4	20	mg/kg	07.02.15 00:15	
Dichlorodifluoromethane	<0.0014	0.059	0.072	122	0.069	117	16-171	4	20	mg/kg	07.02.15 00:15	
Ethanol	<0.033	2.4	1.5	63	1.4	58	23-148	7	20	mg/kg	07.02.15 00:15	
Ethylbenzene	<0.00067	0.059	0.045	76	0.044	75	65-139	2	20	mg/kg	07.02.15 00:15	
Isopropyl Ether	<0.0015	0.059	0.045	76	0.044	75	57-138	2	20	mg/kg	07.02.15 00:15	
Isopropylbenzene	<0.00090	0.059	0.044	75	0.044	75	62-133	0	20	mg/kg	07.02.15 00:15	
m,p-Xylenes	<0.00143	0.118	0.0960	81	0.0915	78	69-130	5	20	mg/kg	07.02.15 00:15	
Methyl tert-butyl ether	<0.00082	0.12	0.10	83	0.099	83	48-169	1	20	mg/kg	07.02.15 00:15	
Methylene chloride	<0.0026	0.059	0.058	98	0.059	100	17-184	2	20	mg/kg	07.02.15 00:15	
Naphthalene	0.0015	0.059	0.058	96	0.055	91	27-157	5	20	mg/kg	07.02.15 00:15	
n-Butylbenzene	<0.0010	0.059	0.048	81	0.048	81	59-136	0	20	mg/kg	07.02.15 00:15	
n-Propylbenzene	<0.00092	0.059	0.045	76	0.044	75	67-134	2	20	mg/kg	07.02.15 00:15	
o-Xylene	<0.000846	0.0591	0.0500	85	0.0475	81	71-124	5	20	mg/kg	07.02.15 00:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00078	0.059	0.043	73	0.044	75	65-131	2	20	mg/kg	07.02.15 00:15	
Styrene	<0.00088	0.059	0.040	68	0.038	64	50-143	5	20	mg/kg	07.02.15 00:15	
tert-Butylbenzene	<0.00099	0.059	0.042	71	0.044	75	67-131	5	20	mg/kg	07.02.15 00:15	
Tetrachloroethene	<0.0012	0.059	0.041	69	0.040	68	42-156	2	20	mg/kg	07.02.15 00:15	
Toluene	<0.00070	0.059	0.046	78	0.043	73	13-188	7	20	mg/kg	07.02.15 00:15	
trans-1,2-Dichloroethene	<0.00092	0.059	0.048	81	0.047	80	57-143	2	20	mg/kg	07.02.15 00:15	
trans-1,3-Dichloropropene	<0.00079	0.059	0.045	76	0.043	73	55-141	5	20	mg/kg	07.02.15 00:15	
Trichloroethene	<0.00084	0.059	0.040	68	0.041	69	39-150	2	20	mg/kg	07.02.15 00:15	
Trichlorofluoromethane	<0.0042	0.059	0.039	66	0.038	64	34-179	3	20	mg/kg	07.02.15 00:15	
Vinyl acetate	<0.00085	0.059	0.026	44	0.026	44	13-188	0	20	mg/kg	07.02.15 00:15	
Vinyl chloride	<0.0024	0.059	0.052	88	0.049	83	40-161	6	20	mg/kg	07.02.15 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	95		93		50-150	%	07.02.15 00:15
4-Bromofluorobenzene	98		103		57-158	%	07.02.15 00:15
Toluene-D8	100		101		50-150	%	07.02.15 00:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	36.6	73	36.8	74	59-138	1	20	ug/L	07.02.15 20:07	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.4	103	51.4	103	63-126	0	20	ug/L	07.02.15 20:07	
1,1,2-Trichloroethane	<0.250	50.0	49.6	99	48.8	98	72-115	2	20	ug/L	07.02.15 20:07	
1,1-Dichloroethane	<0.110	50.0	37.0	74	35.8	72	69-132	3	20	ug/L	07.02.15 20:07	
1,1-Dichloroethene	<0.200	50.0	22.2	44	24.3	49	62-131	9	20	ug/L	07.02.15 20:07	X
1,1-Dichloropropene	<0.100	50.0	44.4	89	43.9	88	74-123	1	20	ug/L	07.02.15 20:07	
1,2,3-Trichlorobenzene	<0.250	50.0	39.5	79	39.5	79	48-122	0	20	ug/L	07.02.15 20:07	
1,2,3-Trichloropropane	<0.210	50.0	49.3	99	51.3	103	59-119	4	20	ug/L	07.02.15 20:07	
1,2,4-Trichlorobenzene	<0.170	50.0	40.2	80	40.6	81	34-131	1	20	ug/L	07.02.15 20:07	
1,2,4-Trimethylbenzene	2.85	50.0	44.2	83	43.9	82	47-139	1	20	ug/L	07.02.15 20:07	
1,2-Dibromoethane (EDB)	<0.180	50.0	45.2	90	44.8	90	66-125	1	20	ug/L	07.02.15 20:07	
1,2-Dichlorobenzene	<0.140	50.0	43.3	87	43.0	86	58-124	1	20	ug/L	07.02.15 20:07	
1,2-Dichloroethane	<0.180	50.0	36.7	73	37.0	74	55-141	1	20	ug/L	07.02.15 20:07	
1,2-Dichloropropane	<0.150	50.0	53.5	107	53.3	107	78-121	0	20	ug/L	07.02.15 20:07	
1,3,5-Trimethylbenzene	2.71	50.0	43.7	82	43.2	81	53-129	1	20	ug/L	07.02.15 20:07	
1,3-Dichlorobenzene	<0.170	50.0	44.5	89	43.2	86	62-120	3	20	ug/L	07.02.15 20:07	
1,3-Dichloropropane	<0.190	50.0	48.2	96	47.1	94	66-123	2	20	ug/L	07.02.15 20:07	
1,4-Dichlorobenzene	<0.170	50.0	43.8	88	42.7	85	64-114	3	20	ug/L	07.02.15 20:07	
2,2-Dichloropropane	<0.210	50.0	35.7	71	34.4	69	40-159	4	20	ug/L	07.02.15 20:07	
2-Butanone (MEK)	<0.280	100	102	102	98.1	98	50-152	4	20	ug/L	07.02.15 20:07	
2-Chlorotoluene	<0.190	50.0	45.2	90	43.5	87	60-129	4	20	ug/L	07.02.15 20:07	
2-Hexanone	<0.320	100	106	106	108	108	55-136	2	20	ug/L	07.02.15 20:07	
4-Chlorotoluene	<0.130	50.0	38.1	76	41.8	84	64-124	9	20	ug/L	07.02.15 20:07	
4-Isopropyltoluene	<0.130	50.0	39.4	79	38.4	77	62-121	3	20	ug/L	07.02.15 20:07	
4-Methyl-2-pentanone (MIBK)	<0.260	100	107	107	110	110	65-132	3	20	ug/L	07.02.15 20:07	
Acetone	<0.350	100	47.6	48	41.6	42	40-140	13	20	ug/L	07.02.15 20:07	
Benzene	2.77	50.0	56.0	106	56.4	107	77-118	1	20	ug/L	07.02.15 20:07	
Bromobenzene	<0.210	50.0	46.8	94	44.8	90	66-121	4	20	ug/L	07.02.15 20:07	
Bromochloromethane	<0.200	50.0	51.2	102	49.4	99	64-130	4	20	ug/L	07.02.15 20:07	
Bromodichloromethane	<0.250	50.0	39.8	80	39.2	78	68-125	2	20	ug/L	07.02.15 20:07	
Bromoform	<0.170	50.0	33.4	67	33.4	67	53-112	0	20	ug/L	07.02.15 20:07	
Bromomethane	<0.250	50.0	22.1	44	22.7	45	63-137	3	20	ug/L	07.02.15 20:07	X
Carbon tetrachloride	<0.330	50.0	34.6	69	35.2	70	56-138	2	20	ug/L	07.02.15 20:07	
Chlorobenzene	<0.150	50.0	47.6	95	47.4	95	71-114	0	20	ug/L	07.02.15 20:07	
Chlorodibromomethane	<0.150	50.0	36.1	72	36.8	74	53-125	2	20	ug/L	07.02.15 20:07	
Chloroethane	<0.260	50.0	21.7	43	22.1	44	60-137	2	20	ug/L	07.02.15 20:07	X
Chloroform	<0.160	50.0	41.4	83	41.7	83	65-131	1	20	ug/L	07.02.15 20:07	
Chloromethane	<0.250	50.0	20.7	41	22.1	44	48-151	7	20	ug/L	07.02.15 20:07	X
cis-1,2-Dichloroethene	<0.210	50.0	50.3	101	49.9	100	22-185	1	20	ug/L	07.02.15 20:07	
cis-1,3-Dichloropropene	<0.100	50.0	46.1	92	46.0	92	67-113	0	20	ug/L	07.02.15 20:07	
Dichlorodifluoromethane	<0.220	50.0	15.4	31	15.3	31	38-145	1	20	ug/L	07.02.15 20:07	X
Ethanol	<8.00	2000	918	46	941	47	38-162	2	20	ug/L	07.02.15 20:07	
Ethylbenzene	1.26	50.0	48.3	94	47.6	93	66-127	1	20	ug/L	07.02.15 20:07	
Isopropyl ether	<0.0800	50.0	43.6	87	43.7	87	59-148	0	20	ug/L	07.02.15 20:07	
Isopropylbenzene	<0.150	50.0	45.9	92	44.7	89	58-127	3	20	ug/L	07.02.15 20:07	
m,p-Xylenes	12.2	100	110	98	109	97	65-126	1	20	ug/L	07.02.15 20:07	
Methyl tert-butyl ether	<0.180	100	52.0	52	67.2	67	58-141	26	20	ug/L	07.02.15 20:07	XF
Methylene chloride	<0.420	50.0	23.5	47	34.2	68	63-150	37	20	ug/L	07.02.15 20:07	XF
Naphthalene	<0.220	50.0	48.4	97	48.9	98	30-148	1	20	ug/L	07.02.15 20:07	
n-Butylbenzene	<0.170	50.0	41.6	83	41.0	82	63-122	1	20	ug/L	07.02.15 20:07	
n-Propylbenzene	<0.180	50.0	46.4	93	45.2	90	64-127	3	20	ug/L	07.02.15 20:07	
o-Xylene	12.0	50.0	63.5	103	63.2	102	64-123	0	20	ug/L	07.02.15 20:07	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	42.6	85	41.2	82	59-124	3	20	ug/L	07.02.15 20:07	
Styrene	<0.180	50.0	45.4	91	46.5	93	50-133	2	20	ug/L	07.02.15 20:07	
tert-Butylbenzene	<0.180	50.0	40.9	82	40.0	80	58-125	2	20	ug/L	07.02.15 20:07	
Tetrachloroethene	<0.160	50.0	45.5	91	43.0	86	52-125	6	20	ug/L	07.02.15 20:07	
Toluene	15.2	50.0	65.7	101	65.3	100	65-123	1	20	ug/L	07.02.15 20:07	
trans-1,2-Dichloroethene	<0.210	50.0	25.9	52	37.1	74	65-135	36	20	ug/L	07.02.15 20:07	XF
trans-1,3-Dichloropropene	<0.110	50.0	40.7	81	43.1	86	50-125	6	20	ug/L	07.02.15 20:07	
Trichloroethene	<0.190	50.0	46.3	93	47.3	95	65-125	2	20	ug/L	07.02.15 20:07	
Trichlorofluoromethane	<0.530	50.0	24.7	49	23.7	47	51-145	4	20	ug/L	07.02.15 20:07	X
Vinyl acetate	<0.720	50.0	36.1	72	35.8	72	49-135	1	20	ug/L	07.02.15 20:07	
Vinyl chloride	<0.190	50.0	20.2	40	18.9	38	52-140	7	20	ug/L	07.02.15 20:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	72		72		53-159	%	07.02.15 20:07
4-Bromofluorobenzene	102		100		30-186	%	07.02.15 20:07
Toluene-D8	96		99		70-130	%	07.02.15 20:07

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694608-1-BLK** Matrix: SOLID

Lab Sample Id: **694608-1-BLK**

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015C** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.01.15 10:15

Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	U	8.33	2.56	mg/kg	07.02.15 12:54	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694652-1-BLK** Matrix: SOLID

Lab Sample Id: **694652-1-BLK**

Analytical Method: **TPH-Gasoline Range Organics by SW-846 8015C** Prep Method: SW5030B

Tech: ZHO

Analyst: ZHO Date Prep: 07.01.15 18:28

Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	U	0.050	0.029	mg/kg	07.01.15 20:07	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.01.15 17:40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.01.15 17:40	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.01.15 17:40	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.01.15 17:40	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.01.15 17:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.01.15 17:40	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.01.15 17:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.01.15 17:40	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.01.15 17:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.01.15 17:40	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.01.15 17:40	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.01.15 17:40	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.01.15 17:40	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.01.15 17:40	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.01.15 17:40	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.01.15 17:40	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.01.15 17:40	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.01.15 17:40	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.01.15 17:40	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.01.15 17:40	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.01.15 17:40	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.01.15 17:40	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.01.15 17:40	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.01.15 17:40	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.01.15 17:40	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.01.15 17:40	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.01.15 17:40	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.01.15 17:40	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.01.15 17:40	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.01.15 17:40	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.01.15 17:40	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.01.15 17:40	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.01.15 17:40	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.01.15 17:40	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.01.15 17:40	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694710-1-BLK** Matrix: SOLID

Lab Sample Id: **694710-1-BLK**

Analytical Method: **MADEP EPH** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.03.15 07:30

Seq Number: 971710

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	U	20.0	20.0	mg/kg	07.06.15 17:41	U	1
C9-C18 Aliphatics	ALHYDRC9C1	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1
C19-C36 Aliphatics	ALHYDRC19C	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694721-1-BLK** Matrix: SOLID

Lab Sample Id: **694721-1-BLK**

Analytical Method: **MADEP VPH**

Tech: ZHO

Analyst: ZHO

Seq Number: 971609

Prep Method: SW5030B

Date Prep: 07.02.15 12:07

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C12 Aliphatics	ALHYDRC9C1	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C10 Aromatics	HYDC9C10	U	0.0000500	0.0000500	mg/kg	07.02.15 14:20	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.03.15 14:11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.03.15 14:11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.03.15 14:11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.03.15 14:11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.03.15 14:11	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.03.15 14:11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.03.15 14:11	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.03.15 14:11	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.03.15 14:11	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.03.15 14:11	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.03.15 14:11	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.03.15 14:11	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.03.15 14:11	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.03.15 14:11	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.03.15 14:11	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.03.15 14:11	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.03.15 14:11	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.03.15 14:11	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.03.15 14:11	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.03.15 14:11	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.03.15 14:11	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.03.15 14:11	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.03.15 14:11	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.03.15 14:11	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.03.15 14:11	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.03.15 14:11	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.03.15 14:11	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.03.15 14:11	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.03.15 14:11	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.03.15 14:11	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.03.15 14:11	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.03.15 14:11	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.03.15 14:11	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.03.15 14:11	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.03.15 14:11	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12:03	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12:03	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12:03	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12:03	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12:03	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12:03	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12:03	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12:03	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12:03	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12:03	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12:03	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12:03	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12:03	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12:03	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	07.07.15 12:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	07.07.15 12:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	07.07.15 12:40	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	07.07.15 12:40	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	07.07.15 12:40	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	07.07.15 12:40	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	07.07.15 12:40	U	1
2-methylphenol	95-48-7	U	0.667	0.0467	mg/kg	07.07.15 12:40	U	1
2-Nitroaniline	88-74-4	U	0.333	0.0447	mg/kg	07.07.15 12:40	U	1
2-Nitrophenol	88-75-5	U	0.667	0.0420	mg/kg	07.07.15 12:40	U	1
3&4-Methylphenol	15831-10-4	U	1.67	0.0987	mg/kg	07.07.15 12:40	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	07.07.15 12:40	U	1
3-Nitroaniline	99-09-2	U	0.333	0.0460	mg/kg	07.07.15 12:40	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	07.07.15 12:40	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.167	0.0567	mg/kg	07.07.15 12:40	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
4-Chlorophenyl-phenyl ether	7005-72-3	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1
4-Nitroaniline	100-01-6	U	0.667	0.0507	mg/kg	07.07.15 12:40	U	1
4-Nitrophenol	100-02-7	U	0.667	0.0410	mg/kg	07.07.15 12:40	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3	U	0.333	0.0367	mg/kg	07.07.15 12:40	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	07.07.15 12:40	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	07.07.15 12:40	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	07.07.15 12:40	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	07.07.15 12:40	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Benzoic Acid	65-85-0	U	0.667	0.0527	mg/kg	07.07.15 12:40	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.333	0.0500	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.167	0.0473	mg/kg	07.07.15 12:40	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	07.07.15 12:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	07.07.15 12:40	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	07.07.15 12:40	U	1
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	07.07.15 12:40	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	07.07.15 12:40	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	07.07.15 12:40	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	07.07.15 12:40	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	07.07.15 12:40	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	07.07.15 12:40	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	07.07.15 12:40	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	07.07.15 12:40	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	07.07.15 12:40	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	07.07.15 12:40	U	1
Pentachlorophenol	87-86-5	U	0.667	0.0603	mg/kg	07.07.15 12:40	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Pyridine	110-86-1	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: **Terraquest Environmental Consultants, P.C.**	Receiver's Initials/Temp: JC / 1.4°C 510685
Address: **100 E. Ruffin Street, Mebane, NC 27302**	Custody Seal(s): ___ Y N Lab Work Order #
Results Sent to: Jonathan R. Grubbs	P.O.# (if required): 04615
Email address: jrgrubbs@terraquestpc.com	Field Comments / Lab Precautions:
Contact Phone #: 919-563-9091 Cell#: 919-906-0707	
Project Name (Site): 124 Estes Dr. Carrboro NC	**Analysis Requested**
Project Number (ID): 04615	Container Type: VC GA VC GA VC GA
Regulatory Program: NCDWM-UST	Chemical Preservation Code: 7 3 7 3 7
Sampler(s): (signature) Jonathan R Grubbs	Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	TPH 8015	TPH 3550	8260	8270 BNA	VPH	EPH
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3	X	X				
2	SW1 (6-7)	6-7	6/29/15 1107	S		X	6			X	X	X	X
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6			X	X	X	X
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6			X	X	X	X
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6			X	X	X	X
6	B2 B1 (12.0)	12.0	6/29/15 1500	S		X	6			X	X	X	X
7	Trip Blank	—		GW			1						
8													
9													
10													

1) Relinquished By: Jonathan R. Grubbs	Date / Time 6/30/15 1310	2) Received By:	Date / Time 07/01/15 10:01
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

INITIAL ABATEMENT ACTION REPORT
Including
Post Excavation Report

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NORTH CAROLINA

Latitude: 35.919460 N Longitude: -79.072649 W

Release Information

Date Discovered: July 8, 2015 (Lab Confirmation)
Estimated Release Quantity: Unknown
Release Cause/Source: Non-Commercial Heating Oil Underground Storage Tank
UST Capacity: 550-gallon Steel Heating Oil UST
NCDWM-UST Facility ID: Not Applicable
NCDWM-UST Incident No.: 39750

Responsible Party/Property Owner:
Page B. Rentals, LLC
George Knight
1249 Kildaire Farm Road
Cary, NC 27511

Terraquest Project No. 04615

August 11, 2015

100 E. Ruffin Street • Mebane, North Carolina 27302
Telephone (919) 563-9091 • Facsimile (919) 563-9095
www.terraquestpc.com

CERTIFICATION FOR THE SUBMITTAL
OF AN ENVIRONMENTAL / GEOLOGICAL ASSESSMENT

Attached is the Initial Abatement Action Report for:

Release Property:	Page B. Rentals, LLC Property c/o George Knight		
Address:	124 Estes Drive Extension		
City:	Carrboro	State: NC	Zip Code: 27105
Responsible Party:	Page B. Rentals, LLC c/o George Knight		
Address:	1249 Kildaire Farm Road		
City:	Cary	State: NC	Zip Code: 27511

I, Jonathan R. Grubbs, a Licensed Geologist in the State of North Carolina for TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C. do hereby certify that I am familiar with and have reviewed all material including figures within this report and that to the best of my knowledge the data, site assessments, figures, and other associated materials are correct and accurate. All work was performed under my direct supervision. My seal and signature are affixed below. Additional seals and/or signatures are also affixed below.

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jordan T. Lerew
Environmental Technician

Jonathan R. Grubbs, P.G.
Vice President

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1: Site Location Map

2: Site Layout and Closure Soil Sample Location Map

APPENDICES

A: UST Disposal Manifest, Approval for Further Over-Excavation letter, Weight Tickets, and Soil Disposal Waste Manifests

B: Photographs

C: Technical Methods and Standard Procedures

D: Analytical Report

1.0 INTRODUCTION

In June 2015, George Knight of Page B. Rentals, LLC contracted Terraquest Environmental Consultants, P.C. (Terraquest) to perform closure activities associated with a 550-gallon steel heating oil underground storage tank (UST) at the property located at 124 Estes Drive Extension, Carrboro, Orange County, NC. The scope of this report documents the UST removal and subsequent soil excavation activities completed at the subject property. The site location is shown in Figure 1. A site layout map is included in Figure 2.

2.0 SITE HISTORY

According to the Orange County Tax Records, the residential structure for which the heating oil UST supplied on the subject property was built in 1942. Orange County property title records indicate Charles and Frank Robertson have owned the property from March 2014 until they sold it to Page B Rental, LLC in June 2015. A Notice of Residual Petroleum was filed for the property with the Orange County Register of Deeds on June 22, 2015, prior to the property's sale. The residence currently uses natural gas as the fuel source for the heating unit. The product type, capacity, date installed, date closed, and release detection information for the UST is listed in Table 1.

3.0 INITIAL ABATEMENT ACTIVITIES

UST Closure

On June 29, 2015, approximately 25 gallons of residual liquid was removed from the UST and placed in a 55-gallon drum awaiting offsite disposal. A liquid disposal manifest was not available prior to the completion of this report.

On June 29, 2015, Terraquest supervised the removal of the steel UST using a track excavator. The UST was located off the northern side of the residence and was buried approximately 16 inches below ground level (BGL). Once the UST was removed, Terraquest personnel noted the UST had

pitting and numerous holes along the sides, bottom, and seems of the UST. The dimensions of the UST were approximately 45 inches by 76 inches. The product lines coming out from beneath the foundation were removed up to the edge of the final excavation. A copy of the UST disposal manifest is included in Appendix A.

Stained soils with a heating oil odor were noted beneath the UST indicating that a release of heating oil had occurred from the UST. In order to document the release incident, Terraquest personnel collected soil sample B1 immediately beneath the UST at a depth of 6.0 feet BGL.

Excavation of Contaminated Soil

On June 29, 2015, Terraquest supervised the excavation of impacted soils beneath and surrounding the UST. Soils beneath the initial base and sidewalls of the excavation were stained and had a strong heating oil odor. The soil excavation continued until either the odor and/or staining dissipated or the residence foundation was encountered along sidewall SW1. Soils in the sidewalls and base of the excavation were screened with a Photoionization Detector (PID). Terraquest identified a medium stiff yellowish-orange sandy clay from 0.5 to 6.0 feet BGL and a saprolitic yellowish-orange clayey sand from 6.0 to 12.0 feet BGL.

63.54 tons of contaminated soil were excavated from beneath the UST and hauled offsite for disposal at the Earthtec of NC, Inc. disposal facility in Sanford, NC. Additional tonnage, above the limit of 56.2 tons, was approved by the NCDWM-UST Section's Raleigh Regional Office (NCDWM-RRO). A copy of the Approval for Further Over-Excavation letter is contained in Appendix A. The final dimensions of the excavation were approximately 10.5 feet wide by 14 feet long by 12 feet deep. A copy of the soil disposal waste manifests are included in Appendix A.

Confirmation soil samples were collected at the final limits of the soil excavation to determine in-situ soil quality along the sidewalls (SW1, SW2, SW3, and SW4) and the base of the excavation (BE1). The sidewall soil sample depths were collected approximately three-quarters down the

sidewalls or where petroleum contamination was noted to document soil quality. The excavation was backfilled with Chapel Hill Gravel from Merritts Gravel Pit in Chapel Hill, NC. Table 2 lists the sample depths and analytical results of the limit of excavation soil samples. The locations of the limit of excavation soil samples are depicted in Figure 2. The methods and standard procedures followed during the soil sampling are detailed in Section 4.0.

With the discovery of the release confirmed by the soil sample analytical results, Terraquest reported the release to the NCDWM-RRO in the 20-Day Report, submitted July 15, 2015.

Pictures of the UST removal and subsequent soil excavation are included in Appendix B.

4.0 FIELD AND LABORATORY ANALYSES

4.1 Soil Sampling Methodology and Results – Soil Excavation

As previously mentioned, soil sample B1 (6.0) was collected from beneath the UST to document soil quality on June 23, 2015. After the soil excavation, soil samples were collected at the limits of the initial excavation {SW1(6-7), SW2(6-7), SW3(6-7), SW4(6-7), and BE1(12)}.

The initial B1 (6.0) and final confirmation soil samples were collected following the proper soil sampling protocol in accordance with the NCDWM - UST guidelines. A grab sample from each sample location was collected, placed in the appropriate laboratory-prepared containers, and labeled with the sample identification, sample analytical method, and sample time. Soil sample B1 was collected at a depth of 6.0 feet BGL with a properly decontaminated hand auger. Sidewall soil samples SW1, SW2, SW3, and SW4 were collected at depths between 6.0 and 7.0 feet BGL. The base of the excavation soil sample BE1 was collected at a depth of 12.0 feet BGL. The limits of the soil excavation soil samples were collected from the track excavator bucket. Each of the confirmation soil samples were placed on ice pending transportation to a North Carolina-certified

environmental laboratory. All of the soil samples were analyzed within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for each collected sample.

The B1 soil sample was analyzed for total petroleum hydrocarbons constituents by EPA Method 8015 using the sample extraction method TPH 3550 (heating oil) and sample preparation method 5030 (gasoline). The final sidewall and base of the excavation samples were analyzed by the Risk-Based Corrective Action (RBCA) methods EPA 8270 Base Neutrals and Acid Extractables (BNA) and Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons (EPH) targeting semi-volatile organics and EPA 8260 + methy tert-butyl ether (MTBE) + di-isopropyl ether (IPE) and MADEP Volatile Petroleum Hydrocarbons (VPH) targeting volatile organics. The SD1 soil sample was analyzed by TPH 3550 and 5030. The soil sampling protocol is detailed in the Technical Methods/Standard Procedures included in Appendix C.

The analytical results from the initial closure sample B1 revealed a petroleum contaminant concentration of 924 mg/kg per method TPH 3550 (heating oil) and 34 mg/kg per method 5030 (gasoline). These concentrations exceed the NCDWM-UST Action Limits of 10 mg/kg for both analyses. The analytical results of soil samples collected at the limits of the excavation revealed no detected concentrations exceeding the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (S-t-G MSCCs) in any of the sidewall or base of excavation soil samples. The analytical results of the confirmation soil samples are detailed in Table 2. Figure 2 depicts the locations of the B1 and SW and BE closure soil samples. The analytical report for the B1 and limit of excavation closure samples is contained in Appendix D.

A pre-prepared, sealed trip blank sample accompanied the soil sampled in transit to Xenco Laboratories of Norcross, GA. The trip blank accompanied the filled containers to the laboratory. The trip blank from the June 29, 2015 closure activities was analyzed by EPA Method 8260. Analysis of the trip blank sample revealed no contaminant concentrations above the laboratory's

sample method detection limits. The analytical results for the trip blank sample are included in Appendix D.

4.2 Groundwater Sampling Methodology and Results – Soil Excavation

Groundwater was not encountered during the UST closure and subsequent soil excavation.

5.0 FREE PRODUCT CHECK

No free product in the form of heating oil was observed in the bottom of the initial or final excavations.

6.0 POTENTIAL SOURCES OF PETROLEUM HYDROCARBONS

The primary source of petroleum hydrocarbons in the site vicinity is the former onsite heating oil UST. No additional USTs were noted in the immediate vicinity of the release area.

7.0 NATURE AND ESTIMATED QUANTITY OF RELEASE

The nature of the release is heating oil from the former 550-gallon heating oil UST. The amount of the release is currently unknown.

8.0 SITE AND VICINITY DESCRIPTION

The release incident is associated with the former 550-gallon UST installed on the subject property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. The site is located in a residential neighborhood and surrounding properties are residential. The site and the surrounding properties are believed to derive their drinking water from Orange Water and Sewer Authority

(OWASA) municipal sources. No buried utilities were uncovered within the limits of the UST excavation.

According to the Geologic Map of North Carolina (Brown et al, 1985), the site is located in the Carolina Slate Belt of the Piedmont Physiographic Region of North Carolina and is underlain by grandiorite consisting of levcoractic to mesocratic, fine to medium grained, equigranular to porphyritic grandiorite. Bedrock was not encountered during the soil excavation. Bolin Creek is located approximately 1,730 feet northeast of the UST basin.

9.0 CONCLUSIONS/RECOMMENDATIONS

The primary source of contamination at the site is believed to have originated from the 550-gallon heating oil UST formerly located at the residence. Terraquest has assembled data regarding the site vicinity and nature of the release in order to comply with Title 15A NCAC 2L .0115 and NCAC 2N .0700 regulations. Based upon the data gathered from this limited investigation, the following conclusions can be made:

- Analytical results of the B1 soil sample collected immediately beneath the UST confirm that a release from the UST system had occurred.
- Holes were noted along the bottom and seams of the UST.
- 63.54 tons of contaminated soil were excavated and hauled offsite for proper disposal at the Earthtec of NC, Inc. soil disposal facility in Sanford, NC.
- Analytical results of the soil samples collected from the sidewalls and base of the soil excavation reveal no petroleum contaminant concentrations that exceed the S-t-G MSCCs remain in-situ.
- Groundwater was not encountered during the soil excavation.
- With no in-situ soil contaminant concentrations above the S-t-G MSCCs, further assessment is not necessary. The release incident can be closed out and a Notice of No Further Action Letter completed.

10.0 LIMITATIONS

This report is limited to the investigation of petroleum hydrocarbons in the vicinity of the 550-gallon heating oil UST formerly located on the Providence Property Management property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. No representations are made concerning any other impacts to the environment except those described in this report. The opinions and conclusions arrived at in this report are in accordance with North Carolina Division of Waste Management regulations and guidelines and industry-accepted geologic and hydrogeologic practices at this time and location. No warranty is implied or intended.

REFERENCES

Brown, et al., 1985, Geologic Map of North Carolina, North Carolina Department of Natural Resources and Community Development, 1:500,000 scale.

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2N, Section .0700, January 1, 1991, "Criteria and Standards Applicable to Underground Storage Tanks".

North Carolina Department of Environment and Natural Resources, Division of Waste Management UST Section, UST Section *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, Effective August 1, 2012.

USGS 7.5-Minute Quadrangle Topographic Maps, Chapel Hill, North Carolina.

TABLES

Table 1 SITE HISTORY (UST SYSTEM INFORMATION)

8/11/2015 Incident Name: Page B. Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750 Facility ID No.: NA

UST	Product	Capacity (gallons)	Date Installed	Date Closed	Release Discovered?
T1	Heating Oil	550	1942	6/29/2015	Yes

Notes:

1. T1 was of steel construction.

Table 2

SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15

Incident Name: Page B Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750

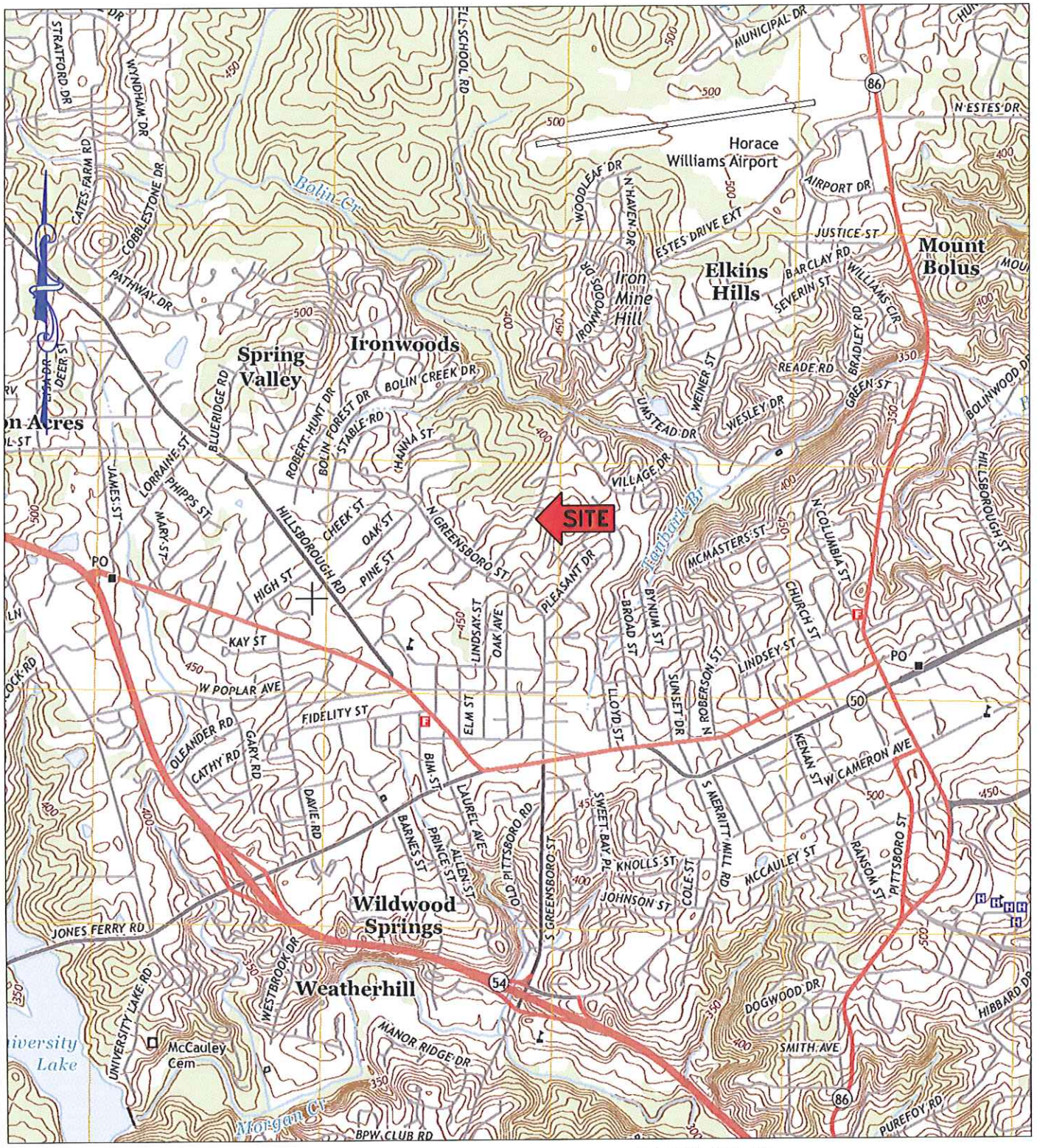
Facility ID No.: NA

		Analytical Method	5030/GRO	3550/DRO	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	MADEP VPH	MADEP EPH/VPH	MADEP EPH	MADEP EPH/VPH
	Contaminant of Concern		TPH Low Fraction	TPH High Fraction	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
Sample ID	Date Collected	Sample Depth																
B1	6/29/15	6'	34	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW1	6/29/15	6' - 7'	-	-	<0.00040	<0.00046	<0.00044	<0.00149	<0.00054	<0.00098	<0.0053	<0.0010	<0.00056	<0.00063	<0.00584	<11.206	<11.2	<22.402
SW2	6/29/15	6' - 7'	-	-	<0.00046	**0.00082 J**	<0.00051	<0.00174	<0.00063	<0.0012	<0.0062	<0.0012	<0.00065	<0.00074	<0.00752	<12.907	<12.9	<25.802
SW3	6/29/15	6' - 7'	-	-	<0.00048	<0.00056	<0.00053	<0.00182	<0.00065	<0.0012	<0.0065	**0.0021**	<0.00068	<0.00077	<0.00692	<11.007	<11	<22.102
SW4	6/29/15	6' - 7'	-	-	<0.00050	<0.00058	<0.00055	<0.0019	<0.00068	<0.0012	<0.0067	<0.0013	<0.00071	<0.00080	<0.00726	<11.107	<11.1	<22.102
BE1	6/29/15	12'	-	-	<0.00044	<0.00050	<0.00048	<0.00164	<0.00059	<0.0011	**0.029**	<0.0011	<0.00061	<0.00069	<0.00738	<10.907	<10.9	<21.802
Soil to groundwater MSCC			-	-	0.0056	4.3	4.9	4.6	0.091	0.37	24	0.16	8.5	8.3	68	540	#	31
Residential MSCC			-	-	18	1,200	1,560	3,129	350	156	14,000	313	782	782	939	1,500	31,000	469
TPH Action Limit			10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. All results in mg/kg = parts per million
2. Bold denotes a compound detection. Shading denotes a Soil-to-Groundwater MSCC violation.
3. < - denotes less than sample detection limit.
4. Sample depths are in feet below ground level.
5. MSCC = Maximum Soil Contaminant Concentration.
6. "J" - The target analyte was positively identified below the quantitation limit and above the detection limit.

FIGURES



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

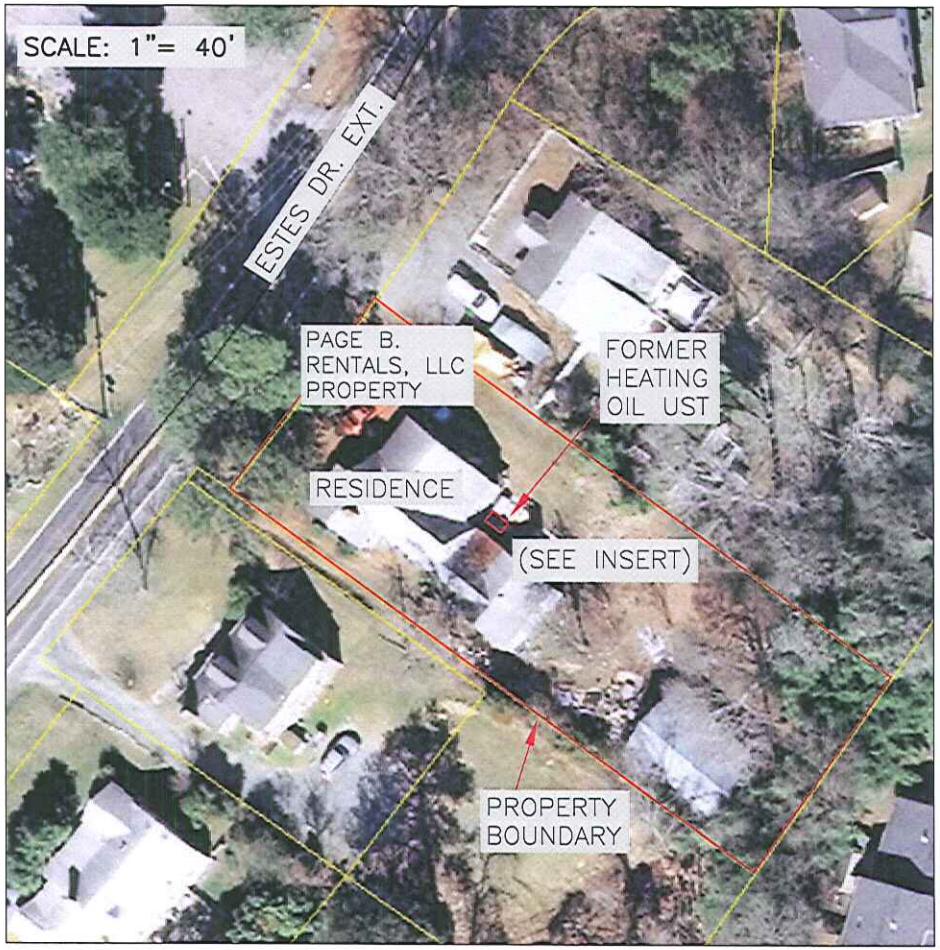
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1



LEGEND

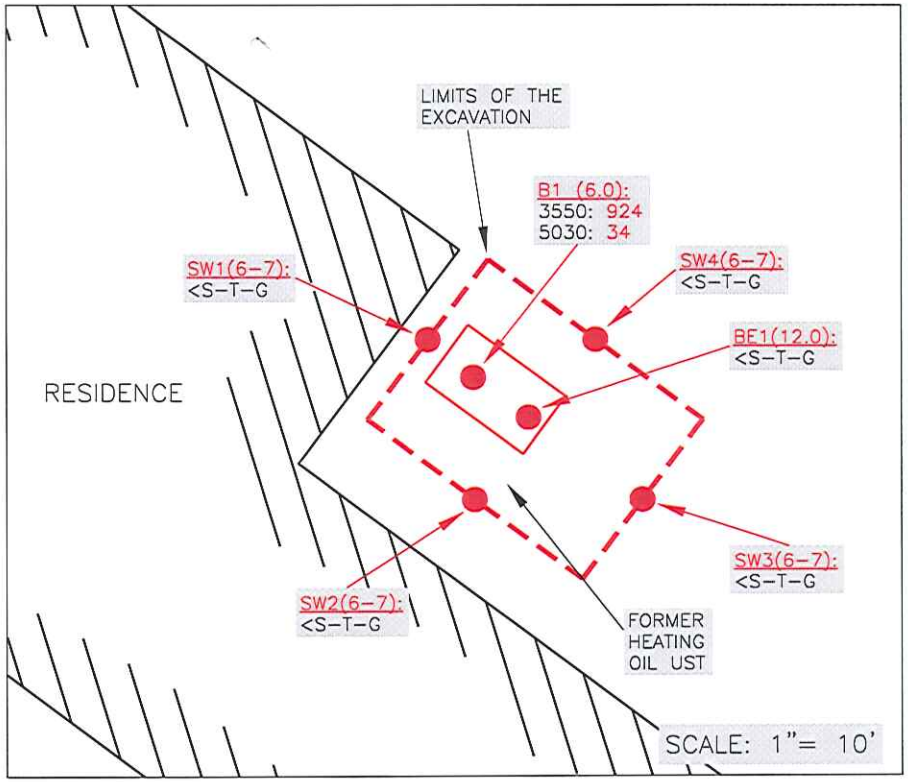
- SOIL SAMPLE LOCATION (SAMPLE DEPTH IN FEET BELOW GROUND LEVEL)

SW AND BE SOIL SAMPLES ANALYZED BY EPA 8260, 8270 BNA, & MADEP VPH/EPH.
B1 SOIL SAMPLE ANALYZED BY TPH 3550 (DRO) & TPH 5030 (GRO).

<S-T-G – NO DETECTIONS ABOVE S-T-G MSCCS
ALL RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

ONLY COMPOUNDS DETECTED AT CONCENTRATIONS GREATER THAN THE S-T-G MSCCS LISTED.
RED UNDERLINED CONCENTRATIONS ARE GREATER THAN RESIDENTIAL MSCCs.

SEE TABLE 2 FOR A COMPLETE LISTING OF DETECTED COMPOUNDS.



SITE LAYOUT & CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

APPENDIX A

Ferguson's Backhoe, Hauling, & Miscellaneous Welding
1119 Hatch Rd
Chapel Hill, NC

Ferguson's Backhoe, Hauling, & Miscellaneous Welding degassed, cut opened and cleaned out one 550-gallon heating oil UST removed at the Page B. Rentals, LLC property located at 124 Estes Drive Extension in Carrboro, Orange County, NC in accordance with all North Carolina and Federal Regulations. The UST was then cut up and the scrape iron was sent to Orange County Landfill in Chapel Hill, NC. No residual liquid was observed in the UST during closure activities.

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr., Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wipfield, approve the further excavation of 15 tons ~~cubic yards~~ of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraques +, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL morexcvtn LTR1114.dot

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Earthtec of NC, Inc.
PO Box 130
Sanford, NC 27331-0130
Phone: 919.774.4517
Fax: 919.776.6415

CERTIFICATE OF ACCEPTANCE AND DISPOSAL

ISSUED TO: TerraQuest Environmental Consultants, P.C.

ADDRESS: 100 E. Ruffin Street

ADDRESS: Mebane, NC 27302

DATE: July 12, 2015

Earthtec of NC, Inc. hereby accepts full responsibility and liability for 63.54 tons of contaminated soil from:

Page B Rentals

Earthtec of NC, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environmental and Natural Resources for clean soil.

Earthtec of NC, Inc.

By:_____M. Scott Keller_____
M. Scott Keller, President

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31788
INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 1
Consultant: Teraquest	Contact: Jonathan Grubbs
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6547
Transporter: Ferguson	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight:
	Tare Weight:
	Net Weight:
	13.94 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Grubbs of Teraquest J. Pres 6/29/15
Generator / Agent Signature Par Page Rentals Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
NONE EXPIRES JUNE 30, 2015
GOODYEAR
WHEELS UNLESS SHOWN

32 10- 30-
54380 lb GR
22360 lb TR RECALLED
31320 lb NT
06/29/15 15:18

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 2
Consultant: Terraquest	Contact: Jonathan Cubbs 919 929 563-909
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973 - 953 - 6547
Transporter: Fergusons	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro, NC
Truck #: F-4	Gross Weight: 54380
	Tare Weight: 22560
	Net Weight: 31820
	TON 15.91

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Cubbs of Terraquest for Page B Rentals 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: _____ Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

Joe F Holder

32 ID. NO.

54520 lb GR
22960 lb TR RECALLED
31960 lb NT

06/30/15 09:10

NON-HAZARDOUS WASTE MANIFEST

Project Number: 0H615	Load Number: 3
Consultant: Teraquest	Contact: Jonathon Gubbs 919 563-9091
Generator: Page B Rentals	Contact: George Knight Phone: 973 953-6547
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr Carrboro NC
Truck #: F-4	Gross Weight: 54520
	Tare Weight: 22560
	Net Weight: 31960
	15.98

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathon R. Gubbs of Teraquest for Page B. Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-30-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31798
VALID UNLESS SIGNED

32 ID. NO.

57980 lb GR
22560 lb TR RECALLED
35420 lb NT

06/30/15 10:32

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 4
Consultant: Terraquest	Contact: Jonathan Gibbs 919 563-9091
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6549
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Healy 0:1	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight: 57980
	Tare Weight: 22560
	Net Weight: 35420
	17.71 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gibbs of Terraquest for Page B Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/2015
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Franklin Holder Date: 6-30-15

APPENDIX B



Picture 1: The UST at 124 Estes Drive Ext. contained numerous holes along the bottom, sides, and seams.



Picture 2: Soils beneath the UST were stained and exhibited a petroleum odor.



Picture 3: Limits of the excavation looking northwest.



Picture 4: Limits of the excavation looking west.

APPENDIX C

TECHNICAL METHODS/STANDARD PROCEDURES

Equipment Decontamination

All soil sampling equipment utilized during site assessment activities is decontaminated according to standard and accepted protocol. Cleaning solutions range from clean potable water to acidic solutions or organic solvents depending on the contaminants present at the site. Equipment utilized at sites, such as hand augers, contaminated with petroleum hydrocarbons, is generally decontaminated with a low-sudsing detergent such as Luiquinox® and triple rinsed with distilled water. Larger equipment, such as drill rigs and associated tools, is steam cleaned. All decontamination procedures are completed within an established decontamination area which is located away from the active study area. Frequency of equipment decontamination depends on the nature of work being performed, but in no case is decontamination performed less frequently than once per test (i.e., soil boring, well installation, sample collection, etc.). Equipment blanks are collected as a quality control measure when required by job specifications.

Soil Boring Installation

Soil borings are completed using hand-operated sampling tools, truck-mounted drills, or Geoprobe® drilling rigs depending on the depth of sample collection and other site-specific conditions. Hand operated stainless-steel bucket augers are utilized to collect soil samples at regular intervals to determine site stratigraphy and to test for the presence of volatile organic compounds. Samples retrieved from the hand auger are necessarily disturbed during the augering process, but can provide accurate information on soil type and contaminant concentrations when properly interpreted. Soil samples from hand augered borings are generally retrieved at one to two foot intervals.

Truck-mounted or Geoprobe® drilling equipment is often utilized when sample retrieval depths exceed twenty feet or subsurface conditions prevent utilization of hand augers (i.e., buried rocks, wood, bricks or other materials occur in the subsurface). Truck-mounted drilling rigs usually retrieve soil via a hollow-stem auger/split spoon collection method. Geoprobe® rigs usually employ a Macro-Core® tube retrieval system.

Hollow stem augers provide relatively undisturbed 2-foot cores of soil samples. Soil samples are generally collected at five foot intervals utilizing standard penetration test procedures as defined by the American Society for Testing and Materials (ASTM) or are pushed to the desired depth using the head of the drill rig. The standard penetration test involves driving a 2" outside diameter by 1-3/8" inside diameter split-spoon sampler a minimum distance of one foot with a 340-lb. slide hammer falling a distance of 30 inches.

A Geoprobe® rig is a hydraulically-powered soil probing machine. The probe utilizes static force and percussion to advance a small diameter sampling device into the subsurface. The sampling apparatus provides relatively undisturbed 5-foot cores of soil samples. Soil samples are collected

continuously. The Macro-Core® tube contains an inserted poly-vinyl chloride (PVC) liner which retains the soil sample as the tube is driven into the ground. The Macro-Core® tube is decontaminated between each 5-foot sample interval in a soil boring using a Liquinox and tap-water mixture. A new PVC liner is used to collect soil from each sample interval in a soil boring.

Soil samples retrieved from the hollow-stem augers or Geoprobe are then carefully described according to the Unified Soil Classification System. Soil descriptions are recorded on a soil boring log.

Soil Sampling

Soils to be analyzed by a North Carolina-certified laboratory are prepared according to the specified analytical method. Initially, soil samples are removed from the ground using either a hand auger, backhoe bucket, spilt spoon auger, or a Macro-Core® sampling tube. During the removal, care is taken to keep the disturbance of the soil structure to a minimum to reduce the loss of contaminants. Once removed, the samples are placed in the proper sample container for the specified analytical method. For samples collected for the MADEP VPH and 8260 method, a TerraCore® sampler is used to collect three 5-gram allotments of soil. All three allotments are placed in methanol-preserved 40 mL vials. Also, two 5-gram allotments of soil are placed into sodium bisulfate-preserved 40 mL vials (5-gram each vial) for the 8260 low concentration method. A 250-mL glass jar of the sampled soil is also collected to provide moisture content information. Soils sampled for MADEP EPH, EPA Methods 8270 and TPH 5030 and 3550 are placed in a 250-mL glass jar. TPH 5030 samples are preserved in methanol similar to the 8260 analysis. Field personnel wear new, disposable latex gloves during the collection of each sample.

The soil samples are labeled with the sample location, sample identification, date and time of collection, and the analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

If the soil is being sampled for volatile or semi-volatile compounds, a portion of the collected soil is placed in a sealable bag and screened for volatile organic vapors. Head screening procedures are described in the following paragraph.

Headspace Screening

Collected soil samples are routinely tested for the presence of volatile organic compounds (VOCs). After retrieval from the ground, a portion of a soil sample is placed in a sealable plastic bag. The soil samples are then set aside for approximately five minutes so that volatile constituents present in the sample can reach equilibrium concentrations with headspace gases in the bag. Once a suitable time period has passed, the probe of the sampling instrument, typically an Organic Vapor Monitor (OVM) or a Photo Ionization Meter (PID), is inserted into the bag and the relative concentration of total VOCs is measured and permanently recorded in a field note book. VOC concentrations are measured using either a Thermo Electron Corp. Innova Series catalytic OVM or

an Ion Science PhoCheck PID. Both the OVM and PID instrumentation are periodically calibrated according to the manufacturer's recommended procedures.

The OVM and PID are qualitative tools employed to detect and estimate the concentration of organic or hydrocarbon vapors. A thin probe is inserted through a small break in the seal of a bagged soil sample. For the OVM, an air sample from the headspace of the bag is drawn through the probe into an internal chamber where the vapors are catalyzed. The concentration of the VOCs is registered on a digital scale in parts per million (ppm). For the PID, an air sample from the headspace of the bag is drawn across the face of a lamp causing the sample to emit photons, the presence of which are converted into a VOC ppm reading that is displayed. Oxygen levels are field calibrated prior to each use. VOC calibration occurs periodically depending upon use by using a span gas of known concentration in a process recommended by the manufacturer.

Well Installation/Construction

Monitoring wells are installed using hand-operated sampling tools, a truck-mounted drill rig, or a Geoprobe drilling rig depending on the depth of well and other site-specific conditions. All monitoring wells are installed according to the requirements of 15A NCAC 2C-Well Construction Standards. Specifically, individual monitoring wells are constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad is installed for each well.

Type II Monitoring Well Construction

Single-cased monitoring wells are generally used in delineation of groundwater quality within the surficial aquifer. The wells are constructed of 2-inch diameter, schedule 40 PVC casing and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Type III Monitoring Well Construction

Double-cased monitoring wells are used in the delineation of groundwater quality within a deeper portion of the surficial aquifer or an additional aquifer (e.g. aquitard, bedrock). A four to six-inch outer casing is installed through the surficial aquifer until a sufficient depth or until the deeper aquifer is encountered. The casing is secured with a Portland-grout collar that is tremmied into

the annular spaced from the bottom of the bore hole to the surface. Once the grout has sufficiently cured, the bore hole is continued through the bottom of the outer casing to a depth approximately 15 - 20 feet beneath the outer casing. The inner casing is constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 5 to 10 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with the same Portland grout mixture used in the outer casing. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Well Development

Following installation of each well, surging and pumping or bailing techniques will be used to remove fines from the screened interval. Groundwater is removed from each well until clear water is retrieved or a noticeable reduction in the amount of silt is achieved. Purged groundwater is disposed of in an environmentally safe manner.

Groundwater Sampling

Petroleum Sites

Groundwater samples are collected from temporary or permanent monitoring wells according to established sampling protocol. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known. When permanent monitoring wells for petroleum sites are sampled, the well is purged of a minimum of three well-bore volumes prior to sample collection in order to assure that sampled water is representative of aquifer conditions. In temporary wells, the first water which migrates into the open borehole is sampled. Samples from both temporary and permanent monitoring wells are collected using individually wrapped disposable polyethylene bailers by field personnel wearing disposable latex gloves. Only one well is sampled with a given bailer in order to prevent sample cross-contamination. During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different samples to reduce the chance of cross-contamination. Water samples are transferred from the bailer to laboratory-prepared sampling containers using slow emptying devices to reduce the chance of contamination loss through volatilization. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Other Groundwater Sampling Protocols

When required by state or federal regulations, low-flow groundwater sampling procedures are instituted. Groundwater samples collected in low-flow situations are collected using a peristaltic pump. A peristaltic pump is a type of positive displacement pump. The fluid is contained within a flexible tube fitted inside a circular pump casing. A rotor with a number of rollers attached to the external circumference compresses the flexible tube. As the rotor turns, the part of tube under compression closes thus forcing the fluid to be pumped to move through the tube. Groundwater parameters such as water level drawdown, pH, conductivity, dissolved oxygen (DO) and turbidity. Pumping rate, drawdown, and the time or volume required to obtain stabilization of parameter readings can be used as a future guide to purge the well. Measurements are collected at a pre-pumping established interval (typically five to ten minutes). Once all or a majority of the parameters have stabilized for three successive readings, stabilization has been achieved. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity, and turbidity or DO. Three successive readings should be within ± 0.1 for pH, ± 3% for conductivity, and ± 10% for turbidity and DO.

Upon parameter stabilization, sampling is initiated. Sampling flow rate is maintained at the established purge rate or is adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. The same device used for purging is used to collect the groundwater sample. Generally, volatile parameters are sampled first. The sequence in which samples for inorganic parameters are collected is not determined unless filtered (dissolved) samples are collected. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different monitoring wells or sampling points to reduce the chance of cross-contamination. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known.

Stockpile Sampling

The number of composite samples collected from a stockpile or a total quantity of excavated soil is based upon the cubic yardage. One composite sample is collected for every 100 cubic yards of contaminated soil excavated. The volume of a stockpile or total quantity of excavated soil is calculated by approximating the general geometry of a stockpile or estimating the capacity of the dump trucks used for hauling. If a stockpile is sampled, a grid pattern is laid out on the stockpile, dividing the stockpile into segments of approximately 200 cubic yards. Two soil borings are

advanced within a grid and three soil samples are collected from each soil boring at various depths. The six soil samples are mixed into a composite sample by a trained TerraQuest technician. If truck loads are sampled, an aliquot sample is collected from the hauling trucks at a frequency based upon the capacity of the hauling trucks.

Aliquots are gently mixed into a composite sample by a trained TerraQuest technician. Every effort is made to minimize the loss of contaminants through volatilization. The composited soil samples are jarred in the appropriate laboratory-prepared containers, labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, and the preservative. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Surface Water Sampling

Surface water samples, specifically samples from creeks or streams, are collected from a moving/flowing portion of the creek or stream to ensure that stagnant water is not collected. Field personnel are careful to collect samples from flowing areas that are not so turbulent as to cause a loss of volatile contaminants which might have been contained in the creek's/stream's water. Samples are collected by field personnel wearing disposable latex gloves. Field personnel change gloves between different locations to reduce the chance of cross-contamination. Samples are collected directly from the appropriate creek or stream location and placed into the appropriate laboratory-prepared containers. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are cooled on ice to approximately four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Potable Well Sampling

Groundwater samples from potable wells are collected from sampling points, typically spigots, located in the closest proximity to the potable well pump house as possible. Prior to sample collection, the water is run for a sufficient amount of time to purge the bladder tank and assure that sampled water is representative of aquifer conditions. Once purged, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers and the appropriate acid preservatives are added if preservation of the sample is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Public Water Supply Line Sampling

Groundwater samples from public water supply lines are collected from sampling points, typically spigots. To sample the spigot, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers. The samples are labeled with the sample location, sample identification, date of collection, time of collection, and required analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Air Sampling

Air samples are collected with the aide of a manually operated MityVac® pump manufactured by Pristech, Inc. The air sampling process begins by connecting a length of rubber hose from the MityVac® pump to the port to be sampled, or by hanging the hose inside of an emissions stack in such a manner as to ensure no outside air causes dilution. Another length of hose is fixed to the outlet port of the pump and is connected to a new Tedlar bag. Once the pump is hooked up, a valve on the Tedlar collection bag is opened and air is manually forced into the bag by the pumping action of sampling personnel.

Field Measurements

Field measurements taken to determine the pH, conductivity, temperature, and dissolved oxygen concentration of a particular groundwater sample are taken directly after a particular monitoring well has been adequately purged. This ensures that the groundwater parameter data collected is representative of the aquifer conditions at a given location. Once purging of the monitoring well is complete, the decontaminated probe head and cord of the appropriate unit is lowered into the required monitoring well. If the depth to water in a specific monitoring well is greater than the length of cord for a particular unit, a new, disposable bailer is slowly lowered into the appropriate monitoring well and a representative groundwater sample is retrieved. A slow pouring device is fitted onto the end of the disposable bailer and the sample is slowly poured into a new, disposable plastic cup. Groundwater parameter data are then collected from the groundwater in the cup using the required unit.

For pH, conductivity, and temperature, a Hanna Instruments Model 991300 portable meter is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves lowering the meter's probe into the new, disposable cup containing the groundwater sample to be measured and slowly stirring the probe to force groundwater across the probe's membrane. The measurements displayed by the meter are then recorded.

For dissolved oxygen concentration measurements, a YSI® Model 55 Handheld Dissolved Oxygen System is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves adjusting the unit for the correct altitude where the sampling will take place and adjusting the reported units desired. Once this is done, the unit's probe is inserted into the groundwater sample to be measured and the probe is slowly stirred to force the groundwater across the probe's membrane. The measurements displayed by the unit are then recorded.

For turbidity measurements, a Hach 2100P Portable Turbidity meter or equal equivalent is utilized. The unit is calibrated prior to use in accordance with the unit's operations manual by field personnel. Groundwater samples are collected in glass containers for measurement by the instrument. The glass containers are washed with bottled-water between each measurement collection. Once the sample is collected and inserted into the instrument, the measurements displayed by the instrument are then recorded.

APPENDIX D

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**B1 (6.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-001	Date Collected:	06.29.15 09.45	Sample Depth:	6.0 ft

Analytical Method:	TPH-Diesel Range Organics by SW-846 8015C			Prep Method:	SW3545
Tech:	VBR			% Moisture:	39.54
Analyst:	CLAR	Date Prep:	07.01.15 10.15	Basis:	Dry Weight
Seq Number:	971523				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method:	TPH-Gasoline Range Organics by SW-846 8015C			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	39.54
Analyst:	ZHO	Date Prep:	07.01.15 18.28	Basis:	Dry Weight
Seq Number:	971499				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.4	22.4	mg/kg	07.06.15 22.24	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	50	%	40-140	07.07.15 03.50	
o-Terphenyl	84-15-1	82	%	40-140	07.06.15 22.24	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.06.15 22.24	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.374	0.0661	mg/kg	07.07.15 17.26	U	1
1,2-Dichlorobenzene	95-50-1		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
1,3-Dichlorobenzene	541-73-1		U	0.374	0.0590	mg/kg	07.07.15 17.26	U	1
1,4-Dichlorobenzene	106-46-7		U	0.374	0.0583	mg/kg	07.07.15 17.26	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.374	0.0721	mg/kg	07.07.15 17.26	U	1
2,4-Dichlorophenol	120-83-2		U	0.374	0.0475	mg/kg	07.07.15 17.26	U	1
2,4-Dimethylphenol	105-67-9		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2,4-Dinitrotoluene	121-14-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
2,6-Dinitrotoluene	606-20-2		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
2-Chloronaphthalene	91-58-7		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2-Chlorophenol	95-57-8		U	0.374	0.0669	mg/kg	07.07.15 17.26	U	1
2-Methylnaphthalene	91-57-6		U	0.374	0.0572	mg/kg	07.07.15 17.26	U	1
2-methylphenol	95-48-7		U	0.747	0.0523	mg/kg	07.07.15 17.26	U	1
2-Nitroaniline	88-74-4		U	0.374	0.0501	mg/kg	07.07.15 17.26	U	1
2-Nitrophenol	88-75-5		U	0.747	0.0471	mg/kg	07.07.15 17.26	U	1
3&4-Methylphenol	15831-10-4		U	1.87	0.111	mg/kg	07.07.15 17.26	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.374	0.0546	mg/kg	07.07.15 17.26	U	1
3-Nitroaniline	99-09-2		U	0.374	0.0516	mg/kg	07.07.15 17.26	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.374	0.0650	mg/kg	07.07.15 17.26	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.187	0.0635	mg/kg	07.07.15 17.26	U	1
4-chloro-3-methylphenol	59-50-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
4-Chloroaniline	106-47-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1
4-Nitroaniline	100-01-6		U	0.747	0.0568	mg/kg	07.07.15 17.26	U	1
4-Nitrophenol	100-02-7		U	0.747	0.0460	mg/kg	07.07.15 17.26	U	1
Acenaphthene	83-32-9		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Acenaphthylene	208-96-8		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.374	0.0411	mg/kg	07.07.15 17.26	U	1
Anthracene	120-12-7		U	0.374	0.0553	mg/kg	07.07.15 17.26	U	1
Benzo(a)anthracene	56-55-3		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Benzo(a)pyrene	50-32-8		U	0.374	0.0549	mg/kg	07.07.15 17.26	U	1
Benzo(b)fluoranthene	205-99-2		U	0.374	0.0609	mg/kg	07.07.15 17.26	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.374	0.0617	mg/kg	07.07.15 17.26	U	1
Benzo(k)fluoranthene	207-08-9		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Benzoic Acid	65-85-0		U	0.747	0.0590	mg/kg	07.07.15 17.26	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.374	0.0561	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.374	0.0448	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.187	0.0531	mg/kg	07.07.15 17.26	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.374	0.0505	mg/kg	07.07.15 17.26	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Chrysene	218-01-9		U	0.374	0.0497	mg/kg	07.07.15 17.26	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.374	0.0725	mg/kg	07.07.15 17.26	U	1
Dibenzofuran	132-64-9		U	0.374	0.0478	mg/kg	07.07.15 17.26	U	1
Diethyl Phthalate	84-66-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
Dimethyl Phthalate	131-11-3		U	0.374	0.0564	mg/kg	07.07.15 17.26	U	1
di-n-Butyl Phthalate	84-74-2		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
di-n-Octyl Phthalate	117-84-0		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Fluoranthene	206-44-0		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
Fluorene	86-73-7		U	0.374	0.0456	mg/kg	07.07.15 17.26	U	1
Hexachlorobenzene	118-74-1		U	0.374	0.0624	mg/kg	07.07.15 17.26	U	1
Hexachlorobutadiene	87-68-3		U	0.374	0.0415	mg/kg	07.07.15 17.26	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Hexachloroethane	67-72-1		U	0.374	0.0579	mg/kg	07.07.15 17.26	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
Isophorone	78-59-1		U	0.374	0.0385	mg/kg	07.07.15 17.26	U	1
Naphthalene	91-20-3		U	0.374	0.0598	mg/kg	07.07.15 17.26	U	1
Nitrobenzene	98-95-3		U	0.374	0.0665	mg/kg	07.07.15 17.26	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.374	0.0785	mg/kg	07.07.15 17.26	U	1
Pentachlorophenol	87-86-5		U	0.747	0.0676	mg/kg	07.07.15 17.26	U	1
Phenanthrene	85-01-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Phenol	108-95-2		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Pyrene	129-00-0		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Pyridine	110-86-1		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	71	%	25-121	07.07.15 17.26	
Nitrobenzene-d5	4165-60-0	80	%	23-120	07.07.15 17.26	
2-Fluorobiphenyl	321-60-8	76	%	30-115	07.07.15 17.26	
2,4,6-Tribromophenol	118-79-6	77	%	19-122	07.07.15 17.26	
Terphenyl-D14	1718-51-0	84	%	18-137	07.07.15 17.26	
Phenol-d5	4165-62-2	67	%	15-110	07.07.15 17.26	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	11.07
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00195	0.00195	mg/kg	07.02.15 18.02	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	121	%	70-130	07.02.15 18.02	
2,5-Dibromotoluene (PID)	615-59-8	125	%	70-130	07.02.15 18.02	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00077	0.00058	mg/kg	07.03.15 14.54	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0015	0.00092	mg/kg	07.03.15 14.54	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethane	75-34-3		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethene	75-35-4		U	0.0015	0.00090	mg/kg	07.03.15 14.54	U	1
1,1-Dichloropropene	563-58-6		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0015	0.0013	mg/kg	07.03.15 14.54	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00077	0.00056	mg/kg	07.03.15 14.54	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00077	0.00067	mg/kg	07.03.15 14.54	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0015	0.00100	mg/kg	07.03.15 14.54	U	1
1,2-Dichloroethane	107-06-2		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
1,2-Dichloropropane	78-87-5		U	0.00077	0.00072	mg/kg	07.03.15 14.54	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00077	0.00063	mg/kg	07.03.15 14.54	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
1,3-Dichloropropane	142-28-9		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
2,2-Dichloropropane	594-20-7		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
2-Butanone (MEK)	78-93-3		U	0.0077	0.0018	mg/kg	07.03.15 14.54	U	1
2-Chlorotoluene	95-49-8		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
2-Hexanone	591-78-6		U	0.0077	0.00087	mg/kg	07.03.15 14.54	U	1
4-Chlorotoluene	106-43-4		U	0.00077	0.00043	mg/kg	07.03.15 14.54	U	1
4-Isopropyltoluene	99-87-6		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0077	0.0025	mg/kg	07.03.15 14.54	U	1
Acetone	67-64-1		U	0.0077	0.0053	mg/kg	07.03.15 14.54	U	1
Benzene	71-43-2		U	0.00077	0.00040	mg/kg	07.03.15 14.54	U	1
Bromobenzene	108-86-1		U	0.00077	0.00066	mg/kg	07.03.15 14.54	U	1
Bromochloromethane	74-97-5		U	0.0015	0.00078	mg/kg	07.03.15 14.54	U	1
Bromodichloromethane	75-27-4		U	0.00077	0.00039	mg/kg	07.03.15 14.54	U	1
Bromoform	75-25-2		U	0.00077	0.00074	mg/kg	07.03.15 14.54	U	1
Bromomethane	74-83-9		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Carbon tetrachloride	56-23-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chlorobenzene	108-90-7		U	0.00077	0.00045	mg/kg	07.03.15 14.54	U	1
Chlorodibromomethane	124-48-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
Chloroethane	75-00-3		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Chloroform	67-66-3		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chloromethane	74-87-3		U	0.0039	0.0018	mg/kg	07.03.15 14.54	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
Dichlorodifluoromethane	75-71-8		U	0.0015	0.00091	mg/kg	07.03.15 14.54	U	1
Ethanol	64-17-5		U	0.039	0.022	mg/kg	07.03.15 14.54	U	1
Ethylbenzene	100-41-4		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
Isopropyl Ether	108-20-3		U	0.0015	0.00098	mg/kg	07.03.15 14.54	U	1
Isopropylbenzene	98-82-8		U	0.00077	0.00059	mg/kg	07.03.15 14.54	U	1
m,p-Xylenes	179601-23-1		U	0.00155	0.000936	mg/kg	07.03.15 14.54	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0015	0.00054	mg/kg	07.03.15 14.54	U	1
Methylene chloride	75-09-2		U	0.0039	0.0017	mg/kg	07.03.15 14.54	U	1
Naphthalene	91-20-3		U	0.0015	0.0010	mg/kg	07.03.15 14.54	U	1
n-Butylbenzene	104-51-8		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
n-Propylbenzene	103-65-1		U	0.00077	0.00061	mg/kg	07.03.15 14.54	U	1
o-Xylene	95-47-6		U	0.000774	0.000554	mg/kg	07.03.15 14.54	U	1
sec-Butylbenzene	135-98-8		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1
Styrene	100-42-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
tert-Butylbenzene	98-06-6		U	0.00077	0.00065	mg/kg	07.03.15 14.54	U	1
Tetrachloroethene	127-18-4		U	0.0015	0.00080	mg/kg	07.03.15 14.54	U	1
Toluene	108-88-3		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00077	0.00060	mg/kg	07.03.15 14.54	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
Trichloroethene	79-01-6		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
Trichlorofluoromethane	75-69-4		U	0.0039	0.0027	mg/kg	07.03.15 14.54	U	1
Vinyl acetate	108-05-4		U	0.0039	0.00056	mg/kg	07.03.15 14.54	U	1
Vinyl chloride	75-01-4		U	0.0039	0.0016	mg/kg	07.03.15 14.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	123	%	50-150	07.03.15 14.54	
4-Bromofluorobenzene	460-00-4	100	%	57-158	07.03.15 14.54	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.54	

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	25.8	25.8	mg/kg	07.07.15 00.10	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	41	%	40-140	07.07.15 05.25	
o-Terphenyl	84-15-1	73	%	40-140	07.07.15 00.10	
2-Fluorobiphenyl	321-60-8	68	%	40-140	07.07.15 00.10	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.434	0.0769	mg/kg	07.07.15 17.55	U	1
1,2-Dichlorobenzene	95-50-1		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
1,3-Dichlorobenzene	541-73-1		U	0.434	0.0687	mg/kg	07.07.15 17.55	U	1
1,4-Dichlorobenzene	106-46-7		U	0.434	0.0678	mg/kg	07.07.15 17.55	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.434	0.0839	mg/kg	07.07.15 17.55	U	1
2,4-Dichlorophenol	120-83-2		U	0.434	0.0552	mg/kg	07.07.15 17.55	U	1
2,4-Dimethylphenol	105-67-9		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2,4-Dinitrotoluene	121-14-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
2,6-Dinitrotoluene	606-20-2		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
2-Chloronaphthalene	91-58-7		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2-Chlorophenol	95-57-8		U	0.434	0.0778	mg/kg	07.07.15 17.55	U	1
2-Methylnaphthalene	91-57-6		U	0.434	0.0665	mg/kg	07.07.15 17.55	U	1
2-methylphenol	95-48-7		U	0.869	0.0608	mg/kg	07.07.15 17.55	U	1
2-Nitroaniline	88-74-4		U	0.434	0.0582	mg/kg	07.07.15 17.55	U	1
2-Nitrophenol	88-75-5		U	0.869	0.0547	mg/kg	07.07.15 17.55	U	1
3&4-Methylphenol	15831-10-4		U	2.17	0.129	mg/kg	07.07.15 17.55	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.434	0.0634	mg/kg	07.07.15 17.55	U	1
3-Nitroaniline	99-09-2		U	0.434	0.0600	mg/kg	07.07.15 17.55	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.434	0.0756	mg/kg	07.07.15 17.55	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.217	0.0739	mg/kg	07.07.15 17.55	U	1
4-chloro-3-methylphenol	59-50-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
4-Chloroaniline	106-47-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1
4-Nitroaniline	100-01-6		U	0.869	0.0660	mg/kg	07.07.15 17.55	U	1
4-Nitrophenol	100-02-7		U	0.869	0.0534	mg/kg	07.07.15 17.55	U	1
Acenaphthene	83-32-9		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Acenaphthylene	208-96-8		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.434	0.0478	mg/kg	07.07.15 17.55	U	1
Anthracene	120-12-7		U	0.434	0.0643	mg/kg	07.07.15 17.55	U	1
Benzo(a)anthracene	56-55-3		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Benzo(a)pyrene	50-32-8		U	0.434	0.0639	mg/kg	07.07.15 17.55	U	1
Benzo(b)fluoranthene	205-99-2		U	0.434	0.0708	mg/kg	07.07.15 17.55	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.434	0.0717	mg/kg	07.07.15 17.55	U	1
Benzo(k)fluoranthene	207-08-9		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Benzoic Acid	65-85-0		U	0.869	0.0687	mg/kg	07.07.15 17.55	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.434	0.0652	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.434	0.0521	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.217	0.0617	mg/kg	07.07.15 17.55	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.434	0.0587	mg/kg	07.07.15 17.55	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Chrysene	218-01-9		U	0.434	0.0578	mg/kg	07.07.15 17.55	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.434	0.0843	mg/kg	07.07.15 17.55	U	1
Dibenzofuran	132-64-9		U	0.434	0.0556	mg/kg	07.07.15 17.55	U	1
Diethyl Phthalate	84-66-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
Dimethyl Phthalate	131-11-3		U	0.434	0.0656	mg/kg	07.07.15 17.55	U	1
di-n-Butyl Phthalate	84-74-2		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
di-n-Octyl Phthalate	117-84-0		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Fluoranthene	206-44-0		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
Fluorene	86-73-7		U	0.434	0.0530	mg/kg	07.07.15 17.55	U	1
Hexachlorobenzene	118-74-1		U	0.434	0.0726	mg/kg	07.07.15 17.55	U	1
Hexachlorobutadiene	87-68-3		U	0.434	0.0482	mg/kg	07.07.15 17.55	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Hexachloroethane	67-72-1		U	0.434	0.0673	mg/kg	07.07.15 17.55	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
Isophorone	78-59-1		U	0.434	0.0448	mg/kg	07.07.15 17.55	U	1
Naphthalene	91-20-3		U	0.434	0.0695	mg/kg	07.07.15 17.55	U	1
Nitrobenzene	98-95-3		U	0.434	0.0773	mg/kg	07.07.15 17.55	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.434	0.0912	mg/kg	07.07.15 17.55	U	1
Pentachlorophenol	87-86-5		U	0.869	0.0786	mg/kg	07.07.15 17.55	U	1
Phenanthrene	85-01-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Phenol	108-95-2		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Pyrene	129-00-0		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Pyridine	110-86-1		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	49	%	25-121	07.07.15 17.55	
Nitrobenzene-d5	4165-60-0	53	%	23-120	07.07.15 17.55	
2-Fluorobiphenyl	321-60-8	64	%	30-115	07.07.15 17.55	
2,4,6-Tribromophenol	118-79-6	56	%	19-122	07.07.15 17.55	
Terphenyl-D14	1718-51-0	78	%	18-137	07.07.15 17.55	
Phenol-d5	4165-62-2	54	%	15-110	07.07.15 17.55	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	23.74
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00251	0.00251	mg/kg	07.02.15 18.47	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	106	%	70-130	07.02.15 18.47	
2,5-Dibromotoluene (PID)	615-59-8	115	%	70-130	07.02.15 18.47	

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124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00091	0.00068	mg/kg	07.03.15 14.32	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethane	75-34-3		U	0.00091	0.00073	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethene	75-35-4		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1-Dichloropropene	563-58-6		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0018	0.0015	mg/kg	07.03.15 14.32	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00091	0.00079	mg/kg	07.03.15 14.32	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00091	0.00065	mg/kg	07.03.15 14.32	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00091	0.00078	mg/kg	07.03.15 14.32	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
1,2-Dichloroethane	107-06-2		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
1,2-Dichloropropane	78-87-5		U	0.00091	0.00084	mg/kg	07.03.15 14.32	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00091	0.00074	mg/kg	07.03.15 14.32	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
1,3-Dichloropropane	142-28-9		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
2,2-Dichloropropane	594-20-7		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
2-Butanone (MEK)	78-93-3		U	0.0091	0.0021	mg/kg	07.03.15 14.32	U	1
2-Chlorotoluene	95-49-8		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
2-Hexanone	591-78-6		U	0.0091	0.0010	mg/kg	07.03.15 14.32	U	1
4-Chlorotoluene	106-43-4		U	0.00091	0.00050	mg/kg	07.03.15 14.32	U	1
4-Isopropyltoluene	99-87-6		U	0.00091	0.00072	mg/kg	07.03.15 14.32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0091	0.0029	mg/kg	07.03.15 14.32	U	1
Acetone	67-64-1		U	0.0091	0.0062	mg/kg	07.03.15 14.32	U	1
Benzene	71-43-2		U	0.00091	0.00046	mg/kg	07.03.15 14.32	U	1
Bromobenzene	108-86-1		U	0.00091	0.00077	mg/kg	07.03.15 14.32	U	1
Bromochloromethane	74-97-5		U	0.0018	0.00091	mg/kg	07.03.15 14.32	U	1
Bromodichloromethane	75-27-4		U	0.00091	0.00045	mg/kg	07.03.15 14.32	U	1
Bromoform	75-25-2		U	0.00091	0.00087	mg/kg	07.03.15 14.32	U	1
Bromomethane	74-83-9		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Carbon tetrachloride	56-23-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chlorobenzene	108-90-7		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
Chlorodibromomethane	124-48-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
Chloroethane	75-00-3		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Chloroform	67-66-3		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chloromethane	74-87-3		U	0.0045	0.0021	mg/kg	07.03.15 14.32	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00091	0.00060	mg/kg	07.03.15 14.32	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
Dichlorodifluoromethane	75-71-8		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
Ethanol	64-17-5		U	0.045	0.025	mg/kg	07.03.15 14.32	U	1
Ethylbenzene	100-41-4		U	0.00091	0.00051	mg/kg	07.03.15 14.32	U	1
Isopropyl Ether	108-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
Isopropylbenzene	98-82-8		U	0.00091	0.00069	mg/kg	07.03.15 14.32	U	1
m,p-Xylenes	179601-23-1		U	0.00181	0.00109	mg/kg	07.03.15 14.32	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0018	0.00063	mg/kg	07.03.15 14.32	U	1
Methylene chloride	75-09-2		U	0.0045	0.0020	mg/kg	07.03.15 14.32	U	1
Naphthalene	91-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
n-Butylbenzene	104-51-8		U	0.00091	0.00080	mg/kg	07.03.15 14.32	U	1
n-Propylbenzene	103-65-1		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
o-Xylene	95-47-6		U	0.000906	0.000648	mg/kg	07.03.15 14.32	U	1
sec-Butylbenzene	135-98-8		U	0.00091	0.00059	mg/kg	07.03.15 14.32	U	1
Styrene	100-42-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
tert-Butylbenzene	98-06-6		U	0.00091	0.00076	mg/kg	07.03.15 14.32	U	1
Tetrachloroethene	127-18-4		U	0.0018	0.00094	mg/kg	07.03.15 14.32	U	1
Toluene	108-88-3	**0.00082**		0.00091	0.00053	mg/kg	07.03.15 14.32	J	1
trans-1,2-Dichloroethene	156-60-5		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
Trichloroethene	79-01-6		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
Trichlorofluoromethane	75-69-4		U	0.0045	0.0032	mg/kg	07.03.15 14.32	U	1
Vinyl acetate	108-05-4		U	0.0045	0.00065	mg/kg	07.03.15 14.32	U	1
Vinyl chloride	75-01-4		U	0.0045	0.0018	mg/kg	07.03.15 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	125	%	50-150	07.03.15 14.32	
4-Bromofluorobenzene	460-00-4	104	%	57-158	07.03.15 14.32	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.32	

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 00.45	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	40	%	40-140	07.07.15 05.56	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 00.45	
2-Fluorobiphenyl	321-60-8	75	%	40-140	07.07.15 00.45	

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.370	0.0656	mg/kg	07.07.15 18.24	U	1
1,2-Dichlorobenzene	95-50-1		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
1,3-Dichlorobenzene	541-73-1		U	0.370	0.0585	mg/kg	07.07.15 18.24	U	1
1,4-Dichlorobenzene	106-46-7		U	0.370	0.0578	mg/kg	07.07.15 18.24	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.370	0.0715	mg/kg	07.07.15 18.24	U	1
2,4-Dichlorophenol	120-83-2		U	0.370	0.0471	mg/kg	07.07.15 18.24	U	1
2,4-Dimethylphenol	105-67-9		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2,4-Dinitrotoluene	121-14-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
2,6-Dinitrotoluene	606-20-2		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
2-Chloronaphthalene	91-58-7		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2-Chlorophenol	95-57-8		U	0.370	0.0663	mg/kg	07.07.15 18.24	U	1
2-Methylnaphthalene	91-57-6		U	0.370	0.0567	mg/kg	07.07.15 18.24	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.24	U	1
2-Nitroaniline	88-74-4		U	0.370	0.0496	mg/kg	07.07.15 18.24	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.24	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.24	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.370	0.0541	mg/kg	07.07.15 18.24	U	1
3-Nitroaniline	99-09-2		U	0.370	0.0511	mg/kg	07.07.15 18.24	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.370	0.0645	mg/kg	07.07.15 18.24	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.24	U	1
4-chloro-3-methylphenol	59-50-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
4-Chloroaniline	106-47-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.24	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.24	U	1
Acenaphthene	83-32-9		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Acenaphthylene	208-96-8		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.370	0.0408	mg/kg	07.07.15 18.24	U	1
Anthracene	120-12-7		U	0.370	0.0548	mg/kg	07.07.15 18.24	U	1
Benzo(a)anthracene	56-55-3		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Benzo(a)pyrene	50-32-8		U	0.370	0.0545	mg/kg	07.07.15 18.24	U	1
Benzo(b)fluoranthene	205-99-2		U	0.370	0.0604	mg/kg	07.07.15 18.24	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.370	0.0611	mg/kg	07.07.15 18.24	U	1
Benzo(k)fluoranthene	207-08-9		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Benzoic Acid	65-85-0		U	0.741	0.0585	mg/kg	07.07.15 18.24	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.370	0.0556	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.370	0.0445	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.24	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.370	0.0500	mg/kg	07.07.15 18.24	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Chrysene	218-01-9		U	0.370	0.0493	mg/kg	07.07.15 18.24	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.370	0.0719	mg/kg	07.07.15 18.24	U	1
Dibenzofuran	132-64-9		U	0.370	0.0474	mg/kg	07.07.15 18.24	U	1
Diethyl Phthalate	84-66-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
Dimethyl Phthalate	131-11-3		U	0.370	0.0559	mg/kg	07.07.15 18.24	U	1
di-n-Butyl Phthalate	84-74-2		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
di-n-Octyl Phthalate	117-84-0		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Fluoranthene	206-44-0		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
Fluorene	86-73-7		U	0.370	0.0452	mg/kg	07.07.15 18.24	U	1
Hexachlorobenzene	118-74-1		U	0.370	0.0619	mg/kg	07.07.15 18.24	U	1
Hexachlorobutadiene	87-68-3		U	0.370	0.0411	mg/kg	07.07.15 18.24	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Hexachloroethane	67-72-1		U	0.370	0.0574	mg/kg	07.07.15 18.24	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
Isophorone	78-59-1		U	0.370	0.0382	mg/kg	07.07.15 18.24	U	1
Naphthalene	91-20-3		U	0.370	0.0593	mg/kg	07.07.15 18.24	U	1
Nitrobenzene	98-95-3		U	0.370	0.0659	mg/kg	07.07.15 18.24	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.370	0.0778	mg/kg	07.07.15 18.24	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.24	U	1
Phenanthrene	85-01-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Phenol	108-95-2		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Pyrene	129-00-0		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Pyridine	110-86-1		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	50	%	25-121	07.07.15 18.24	
Nitrobenzene-d5	4165-60-0	66	%	23-120	07.07.15 18.24	
2-Fluorobiphenyl	321-60-8	72	%	30-115	07.07.15 18.24	
2,4,6-Tribromophenol	118-79-6	67	%	19-122	07.07.15 18.24	
Terphenyl-D14	1718-51-0	83	%	18-137	07.07.15 18.24	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 18.24	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00231	0.00231	mg/kg	07.02.15 19.32	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	113	%	70-130	07.02.15 19.32	
2,5-Dibromotoluene (PID)	615-59-8	122	%	70-130	07.02.15 19.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00094	0.00071	mg/kg	07.01.15 22.03	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethane	75-34-3		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethene	75-35-4		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1-Dichloropropene	563-58-6		U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00094	0.00054	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0019	0.0016	mg/kg	07.01.15 22.03	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00094	0.00082	mg/kg	07.01.15 22.03	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00094	0.00068	mg/kg	07.01.15 22.03	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
1,2-Dichloroethane	107-06-2		U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
1,2-Dichloropropane	78-87-5		U	0.00094	0.00088	mg/kg	07.01.15 22.03	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00094	0.00077	mg/kg	07.01.15 22.03	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
1,3-Dichloropropane	142-28-9		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
2,2-Dichloropropane	594-20-7		U	0.00094	0.00057	mg/kg	07.01.15 22.03	U	1
2-Butanone (MEK)	78-93-3		U	0.0094	0.0022	mg/kg	07.01.15 22.03	U	1
2-Chlorotoluene	95-49-8		U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
2-Hexanone	591-78-6		U	0.0094	0.0011	mg/kg	07.01.15 22.03	U	1
4-Chlorotoluene	106-43-4		U	0.00094	0.00052	mg/kg	07.01.15 22.03	U	1
4-Isopropyltoluene	99-87-6		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0094	0.0031	mg/kg	07.01.15 22.03	U	1
Acetone	67-64-1		U	0.0094	0.0065	mg/kg	07.01.15 22.03	U	1
Benzene	71-43-2		U	0.00094	0.00048	mg/kg	07.01.15 22.03	U	1
Bromobenzene	108-86-1		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
Bromochloromethane	74-97-5		U	0.0019	0.00095	mg/kg	07.01.15 22.03	U	1
Bromodichloromethane	75-27-4		U	0.00094	0.00047	mg/kg	07.01.15 22.03	U	1
Bromoform	75-25-2		U	0.00094	0.00091	mg/kg	07.01.15 22.03	U	1
Bromomethane	74-83-9		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Carbon tetrachloride	56-23-5		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chlorobenzene	108-90-7		U	0.00094	0.00055	mg/kg	07.01.15 22.03	U	1
Chlorodibromomethane	124-48-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
Chloroethane	75-00-3		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Chloroform	67-66-3		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chloromethane	74-87-3		U	0.0047	0.0022	mg/kg	07.01.15 22.03	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
Dichlorodifluoromethane	75-71-8	U	0.0019	0.0011	mg/kg	07.01.15 22.03	UH	1
Ethanol	64-17-5	U	0.047	0.026	mg/kg	07.01.15 22.03	U	1
Ethylbenzene	100-41-4	U	0.00094	0.00053	mg/kg	07.01.15 22.03	U	1
Isopropyl Ether	108-20-3	U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
Isopropylbenzene	98-82-8	U	0.00094	0.00072	mg/kg	07.01.15 22.03	U	1
m,p-Xylenes	179601-23-1	U	0.00189	0.00114	mg/kg	07.01.15 22.03	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0019	0.00065	mg/kg	07.01.15 22.03	U	1
Methylene chloride	75-09-2	U	0.0047	0.0020	mg/kg	07.01.15 22.03	U	1
Naphthalene	91-20-3	**0.0021**	0.0019	0.0012	mg/kg	07.01.15 22.03		1
n-Butylbenzene	104-51-8	U	0.00094	0.00083	mg/kg	07.01.15 22.03	U	1
n-Propylbenzene	103-65-1	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
o-Xylene	95-47-6	U	0.000944	0.000676	mg/kg	07.01.15 22.03	U	1
sec-Butylbenzene	135-98-8	U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1
Styrene	100-42-5	U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
tert-Butylbenzene	98-06-6	U	0.00094	0.00079	mg/kg	07.01.15 22.03	U	1
Tetrachloroethene	127-18-4	U	0.0019	0.00098	mg/kg	07.01.15 22.03	U	1
Toluene	108-88-3	U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
Trichloroethene	79-01-6	U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
Trichlorofluoromethane	75-69-4	U	0.0047	0.0033	mg/kg	07.01.15 22.03	U	1
Vinyl acetate	108-05-4	U	0.0047	0.00068	mg/kg	07.01.15 22.03	U	1
Vinyl chloride	75-01-4	U	0.0047	0.0019	mg/kg	07.01.15 22.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	50-150	07.01.15 22.03	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.03	
Toluene-D8	2037-26-5	100	%	50-150	07.01.15 22.03	

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 01.20	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	51	%	40-140	07.07.15 06.28	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.20	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.07.15 01.20	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.371	0.0656	mg/kg	07.07.15 18.52	U	1
1,2-Dichlorobenzene	95-50-1		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
1,3-Dichlorobenzene	541-73-1		U	0.371	0.0586	mg/kg	07.07.15 18.52	U	1
1,4-Dichlorobenzene	106-46-7		U	0.371	0.0578	mg/kg	07.07.15 18.52	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.371	0.0715	mg/kg	07.07.15 18.52	U	1
2,4-Dichlorophenol	120-83-2		U	0.371	0.0471	mg/kg	07.07.15 18.52	U	1
2,4-Dimethylphenol	105-67-9		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2,4-Dinitrotoluene	121-14-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
2,6-Dinitrotoluene	606-20-2		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
2-Chloronaphthalene	91-58-7		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2-Chlorophenol	95-57-8		U	0.371	0.0664	mg/kg	07.07.15 18.52	U	1
2-Methylnaphthalene	91-57-6		U	0.371	0.0567	mg/kg	07.07.15 18.52	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.52	U	1
2-Nitroaniline	88-74-4		U	0.371	0.0497	mg/kg	07.07.15 18.52	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.52	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.52	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.371	0.0541	mg/kg	07.07.15 18.52	U	1
3-Nitroaniline	99-09-2		U	0.371	0.0512	mg/kg	07.07.15 18.52	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.371	0.0645	mg/kg	07.07.15 18.52	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.52	U	1
4-chloro-3-methylphenol	59-50-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
4-Chloroaniline	106-47-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.52	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.52	U	1
Acenaphthene	83-32-9		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Acenaphthylene	208-96-8		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.371	0.0408	mg/kg	07.07.15 18.52	U	1
Anthracene	120-12-7		U	0.371	0.0549	mg/kg	07.07.15 18.52	U	1
Benzo(a)anthracene	56-55-3		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Benzo(a)pyrene	50-32-8		U	0.371	0.0545	mg/kg	07.07.15 18.52	U	1
Benzo(b)fluoranthene	205-99-2		U	0.371	0.0604	mg/kg	07.07.15 18.52	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.371	0.0612	mg/kg	07.07.15 18.52	U	1
Benzo(k)fluoranthene	207-08-9		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Benzoic Acid	65-85-0		U	0.741	0.0586	mg/kg	07.07.15 18.52	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.371	0.0556	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.371	0.0445	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.52	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.371	0.0500	mg/kg	07.07.15 18.52	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Chrysene	218-01-9		U	0.371	0.0493	mg/kg	07.07.15 18.52	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.371	0.0719	mg/kg	07.07.15 18.52	U	1
Dibenzofuran	132-64-9		U	0.371	0.0474	mg/kg	07.07.15 18.52	U	1
Diethyl Phthalate	84-66-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
Dimethyl Phthalate	131-11-3		U	0.371	0.0560	mg/kg	07.07.15 18.52	U	1
di-n-Butyl Phthalate	84-74-2		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
di-n-Octyl Phthalate	117-84-0		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Fluoranthene	206-44-0		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
Fluorene	86-73-7		U	0.371	0.0452	mg/kg	07.07.15 18.52	U	1
Hexachlorobenzene	118-74-1		U	0.371	0.0619	mg/kg	07.07.15 18.52	U	1
Hexachlorobutadiene	87-68-3		U	0.371	0.0411	mg/kg	07.07.15 18.52	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Hexachloroethane	67-72-1		U	0.371	0.0575	mg/kg	07.07.15 18.52	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
Isophorone	78-59-1		U	0.371	0.0382	mg/kg	07.07.15 18.52	U	1
Naphthalene	91-20-3		U	0.371	0.0593	mg/kg	07.07.15 18.52	U	1
Nitrobenzene	98-95-3		U	0.371	0.0660	mg/kg	07.07.15 18.52	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.371	0.0778	mg/kg	07.07.15 18.52	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.52	U	1
Phenanthrene	85-01-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Phenol	108-95-2		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Pyrene	129-00-0		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Pyridine	110-86-1		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	66	%	25-121	07.07.15 18.52	
Nitrobenzene-d5	4165-60-0	72	%	23-120	07.07.15 18.52	
2-Fluorobiphenyl	321-60-8	74	%	30-115	07.07.15 18.52	
2,4,6-Tribromophenol	118-79-6	76	%	19-122	07.07.15 18.52	
Terphenyl-D14	1718-51-0	79	%	18-137	07.07.15 18.52	
Phenol-d5	4165-62-2	65	%	15-110	07.07.15 18.52	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00242	0.00242	mg/kg	07.02.15 20.17	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	109	%	70-130	07.02.15 20.17	
2,5-Dibromotoluene (PID)	615-59-8	119	%	70-130	07.02.15 20.17	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethane	75-34-3		U	0.00098	0.00079	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethene	75-35-4		U	0.0020	0.0011	mg/kg	07.01.15 22.25	U	1
1,1-Dichloropropene	563-58-6		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00098	0.00056	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0020	0.0016	mg/kg	07.01.15 22.25	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00098	0.00071	mg/kg	07.01.15 22.25	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00098	0.00085	mg/kg	07.01.15 22.25	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
1,2-Dichloroethane	107-06-2		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
1,2-Dichloropropane	78-87-5		U	0.00098	0.00091	mg/kg	07.01.15 22.25	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00098	0.00080	mg/kg	07.01.15 22.25	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00098	0.00098	mg/kg	07.01.15 22.25	U	1
1,3-Dichloropropane	142-28-9		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
2,2-Dichloropropane	594-20-7		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
2-Butanone (MEK)	78-93-3		U	0.0098	0.0022	mg/kg	07.01.15 22.25	U	1
2-Chlorotoluene	95-49-8		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
2-Hexanone	591-78-6		U	0.0098	0.0011	mg/kg	07.01.15 22.25	U	1
4-Chlorotoluene	106-43-4		U	0.00098	0.00054	mg/kg	07.01.15 22.25	U	1
4-Isopropyltoluene	99-87-6		U	0.00098	0.00078	mg/kg	07.01.15 22.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0098	0.0032	mg/kg	07.01.15 22.25	U	1
Acetone	67-64-1		U	0.0098	0.0067	mg/kg	07.01.15 22.25	U	1
Benzene	71-43-2		U	0.00098	0.00050	mg/kg	07.01.15 22.25	U	1
Bromobenzene	108-86-1		U	0.00098	0.00084	mg/kg	07.01.15 22.25	U	1
Bromochloromethane	74-97-5		U	0.0020	0.00099	mg/kg	07.01.15 22.25	U	1
Bromodichloromethane	75-27-4		U	0.00098	0.00049	mg/kg	07.01.15 22.25	U	1
Bromoform	75-25-2		U	0.00098	0.00094	mg/kg	07.01.15 22.25	U	1
Bromomethane	74-83-9		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Carbon tetrachloride	56-23-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chlorobenzene	108-90-7		U	0.00098	0.00057	mg/kg	07.01.15 22.25	U	1
Chlorodibromomethane	124-48-1		U	0.00098	0.00097	mg/kg	07.01.15 22.25	U	1
Chloroethane	75-00-3		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Chloroform	67-66-3		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chloromethane	74-87-3		U	0.0049	0.0023	mg/kg	07.01.15 22.25	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00098	0.00065	mg/kg	07.01.15 22.25	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
Dichlorodifluoromethane	75-71-8		U	0.0020	0.0012	mg/kg	07.01.15 22.25	UH	1
Ethanol	64-17-5		U	0.049	0.027	mg/kg	07.01.15 22.25	U	1
Ethylbenzene	100-41-4		U	0.00098	0.00055	mg/kg	07.01.15 22.25	U	1
Isopropyl Ether	108-20-3		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
Isopropylbenzene	98-82-8		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
m,p-Xylenes	179601-23-1		U	0.00196	0.00119	mg/kg	07.01.15 22.25	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0020	0.00068	mg/kg	07.01.15 22.25	U	1
Methylene chloride	75-09-2		U	0.0049	0.0021	mg/kg	07.01.15 22.25	U	1
Naphthalene	91-20-3		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
n-Butylbenzene	104-51-8		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
n-Propylbenzene	103-65-1		U	0.00098	0.00077	mg/kg	07.01.15 22.25	U	1
o-Xylene	95-47-6		U	0.000980	0.000702	mg/kg	07.01.15 22.25	U	1
sec-Butylbenzene	135-98-8		U	0.00098	0.00064	mg/kg	07.01.15 22.25	U	1
Styrene	100-42-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
tert-Butylbenzene	98-06-6		U	0.00098	0.00082	mg/kg	07.01.15 22.25	U	1
Tetrachloroethene	127-18-4		U	0.0020	0.0010	mg/kg	07.01.15 22.25	U	1
Toluene	108-88-3		U	0.00098	0.00058	mg/kg	07.01.15 22.25	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00098	0.00076	mg/kg	07.01.15 22.25	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
Trichloroethene	79-01-6		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
Trichlorofluoromethane	75-69-4		U	0.0049	0.0034	mg/kg	07.01.15 22.25	U	1
Vinyl acetate	108-05-4		U	0.0049	0.00071	mg/kg	07.01.15 22.25	U	1
Vinyl chloride	75-01-4		U	0.0049	0.0020	mg/kg	07.01.15 22.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	112	%	50-150	07.01.15 22.25	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.25	
Toluene-D8	2037-26-5	99	%	50-150	07.01.15 22.25	

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Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	21.8	21.8	mg/kg	07.07.15 01.56	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	49	%	40-140	07.07.15 07.00	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.56	
2-Fluorobiphenyl	321-60-8	71	%	40-140	07.07.15 01.56	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.362	0.0641	mg/kg	07.07.15 19.21	U	1
1,2-Dichlorobenzene	95-50-1		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
1,3-Dichlorobenzene	541-73-1		U	0.362	0.0572	mg/kg	07.07.15 19.21	U	1
1,4-Dichlorobenzene	106-46-7		U	0.362	0.0565	mg/kg	07.07.15 19.21	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.362	0.0698	mg/kg	07.07.15 19.21	U	1
2,4-Dichlorophenol	120-83-2		U	0.362	0.0460	mg/kg	07.07.15 19.21	U	1
2,4-Dimethylphenol	105-67-9		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2,4-Dinitrotoluene	121-14-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
2,6-Dinitrotoluene	606-20-2		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
2-Chloronaphthalene	91-58-7		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2-Chlorophenol	95-57-8		U	0.362	0.0648	mg/kg	07.07.15 19.21	U	1
2-Methylnaphthalene	91-57-6		U	0.362	0.0554	mg/kg	07.07.15 19.21	U	1
2-methylphenol	95-48-7		U	0.724	0.0507	mg/kg	07.07.15 19.21	U	1
2-Nitroaniline	88-74-4		U	0.362	0.0485	mg/kg	07.07.15 19.21	U	1
2-Nitrophenol	88-75-5		U	0.724	0.0456	mg/kg	07.07.15 19.21	U	1
3&4-Methylphenol	15831-10-4		U	1.81	0.107	mg/kg	07.07.15 19.21	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.362	0.0528	mg/kg	07.07.15 19.21	U	1
3-Nitroaniline	99-09-2		U	0.362	0.0499	mg/kg	07.07.15 19.21	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.362	0.0630	mg/kg	07.07.15 19.21	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.181	0.0615	mg/kg	07.07.15 19.21	U	1
4-chloro-3-methylphenol	59-50-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
4-Chloroaniline	106-47-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1
4-Nitroaniline	100-01-6		U	0.724	0.0550	mg/kg	07.07.15 19.21	U	1
4-Nitrophenol	100-02-7		U	0.724	0.0445	mg/kg	07.07.15 19.21	U	1
Acenaphthene	83-32-9		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Acenaphthylene	208-96-8		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.362	0.0398	mg/kg	07.07.15 19.21	U	1
Anthracene	120-12-7		U	0.362	0.0536	mg/kg	07.07.15 19.21	U	1
Benzo(a)anthracene	56-55-3		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Benzo(a)pyrene	50-32-8		U	0.362	0.0532	mg/kg	07.07.15 19.21	U	1
Benzo(b)fluoranthene	205-99-2		U	0.362	0.0590	mg/kg	07.07.15 19.21	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.362	0.0597	mg/kg	07.07.15 19.21	U	1
Benzo(k)fluoranthene	207-08-9		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Benzoic Acid	65-85-0		U	0.724	0.0572	mg/kg	07.07.15 19.21	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.362	0.0543	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.362	0.0434	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.181	0.0514	mg/kg	07.07.15 19.21	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.362	0.0489	mg/kg	07.07.15 19.21	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Chrysene	218-01-9		U	0.362	0.0481	mg/kg	07.07.15 19.21	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.362	0.0702	mg/kg	07.07.15 19.21	U	1
Dibenzofuran	132-64-9		U	0.362	0.0463	mg/kg	07.07.15 19.21	U	1
Diethyl Phthalate	84-66-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
Dimethyl Phthalate	131-11-3		U	0.362	0.0546	mg/kg	07.07.15 19.21	U	1
di-n-Butyl Phthalate	84-74-2		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
di-n-Octyl Phthalate	117-84-0		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Fluoranthene	206-44-0		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
Fluorene	86-73-7		U	0.362	0.0442	mg/kg	07.07.15 19.21	U	1
Hexachlorobenzene	118-74-1		U	0.362	0.0604	mg/kg	07.07.15 19.21	U	1
Hexachlorobutadiene	87-68-3		U	0.362	0.0402	mg/kg	07.07.15 19.21	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Hexachloroethane	67-72-1		U	0.362	0.0561	mg/kg	07.07.15 19.21	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
Isophorone	78-59-1		U	0.362	0.0373	mg/kg	07.07.15 19.21	U	1
Naphthalene	91-20-3		U	0.362	0.0579	mg/kg	07.07.15 19.21	U	1
Nitrobenzene	98-95-3		U	0.362	0.0644	mg/kg	07.07.15 19.21	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.362	0.0760	mg/kg	07.07.15 19.21	U	1
Pentachlorophenol	87-86-5		U	0.724	0.0655	mg/kg	07.07.15 19.21	U	1
Phenanthrene	85-01-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Phenol	108-95-2		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Pyrene	129-00-0		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Pyridine	110-86-1		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	51	%	25-121	07.07.15 19.21	
Nitrobenzene-d5	4165-60-0	48	%	23-120	07.07.15 19.21	
2-Fluorobiphenyl	321-60-8	54	%	30-115	07.07.15 19.21	
2,4,6-Tribromophenol	118-79-6	44	%	19-122	07.07.15 19.21	
Terphenyl-D14	1718-51-0	62	%	18-137	07.07.15 19.21	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 19.21	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00246	0.00246	mg/kg	07.02.15 21.01	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	98	%	70-130	07.02.15 21.01	
2,5-Dibromotoluene (PID)	615-59-8	108	%	70-130	07.02.15 21.01	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00085	0.00064	mg/kg	07.01.15 22.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0017	0.0010	mg/kg	07.01.15 22.47	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethane	75-34-3		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethene	75-35-4		U	0.0017	0.00099	mg/kg	07.01.15 22.47	U	1
1,1-Dichloropropene	563-58-6		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0017	0.0014	mg/kg	07.01.15 22.47	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00085	0.00061	mg/kg	07.01.15 22.47	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
1,2-Dichloroethane	107-06-2		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
1,2-Dichloropropane	78-87-5		U	0.00085	0.00079	mg/kg	07.01.15 22.47	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00085	0.00069	mg/kg	07.01.15 22.47	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
1,3-Dichloropropane	142-28-9		U	0.00085	0.00059	mg/kg	07.01.15 22.47	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00085	0.00058	mg/kg	07.01.15 22.47	U	1
2,2-Dichloropropane	594-20-7		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
2-Butanone (MEK)	78-93-3		U	0.0085	0.0019	mg/kg	07.01.15 22.47	U	1
2-Chlorotoluene	95-49-8		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
2-Hexanone	591-78-6		U	0.0085	0.00096	mg/kg	07.01.15 22.47	U	1
4-Chlorotoluene	106-43-4		U	0.00085	0.00047	mg/kg	07.01.15 22.47	U	1
4-Isopropyltoluene	99-87-6		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0085	0.0028	mg/kg	07.01.15 22.47	U	1
Acetone	67-64-1	**0.029**		0.0085	0.0059	mg/kg	07.01.15 22.47		1
Benzene	71-43-2		U	0.00085	0.00044	mg/kg	07.01.15 22.47	U	1
Bromobenzene	108-86-1		U	0.00085	0.00073	mg/kg	07.01.15 22.47	U	1
Bromochloromethane	74-97-5		U	0.0017	0.00086	mg/kg	07.01.15 22.47	U	1
Bromodichloromethane	75-27-4		U	0.00085	0.00043	mg/kg	07.01.15 22.47	U	1
Bromoform	75-25-2		U	0.00085	0.00082	mg/kg	07.01.15 22.47	U	1
Bromomethane	74-83-9		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Carbon tetrachloride	56-23-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chlorobenzene	108-90-7		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
Chlorodibromomethane	124-48-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
Chloroethane	75-00-3		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Chloroform	67-66-3		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chloromethane	74-87-3		U	0.0043	0.0020	mg/kg	07.01.15 22.47	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
Dichlorodifluoromethane	75-71-8		U	0.0017	0.0010	mg/kg	07.01.15 22.47	UH	1
Ethanol	64-17-5		U	0.043	0.024	mg/kg	07.01.15 22.47	U	1
Ethylbenzene	100-41-4		U	0.00085	0.00048	mg/kg	07.01.15 22.47	U	1
Isopropyl Ether	108-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
Isopropylbenzene	98-82-8		U	0.00085	0.00065	mg/kg	07.01.15 22.47	U	1
m,p-Xylenes	179601-23-1		U	0.00171	0.00103	mg/kg	07.01.15 22.47	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0017	0.00059	mg/kg	07.01.15 22.47	U	1
Methylene chloride	75-09-2		U	0.0043	0.0018	mg/kg	07.01.15 22.47	U	1
Naphthalene	91-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
n-Butylbenzene	104-51-8		U	0.00085	0.00075	mg/kg	07.01.15 22.47	U	1
n-Propylbenzene	103-65-1		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
o-Xylene	95-47-6		U	0.000853	0.000611	mg/kg	07.01.15 22.47	U	1
sec-Butylbenzene	135-98-8		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1
Styrene	100-42-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
tert-Butylbenzene	98-06-6		U	0.00085	0.00071	mg/kg	07.01.15 22.47	U	1
Tetrachloroethene	127-18-4		U	0.0017	0.00088	mg/kg	07.01.15 22.47	U	1
Toluene	108-88-3		U	0.00085	0.00050	mg/kg	07.01.15 22.47	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
Trichloroethene	79-01-6		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
Trichlorofluoromethane	75-69-4		U	0.0043	0.0030	mg/kg	07.01.15 22.47	U	1
Vinyl acetate	108-05-4		U	0.0043	0.00061	mg/kg	07.01.15 22.47	U	1
Vinyl chloride	75-01-4		U	0.0043	0.0017	mg/kg	07.01.15 22.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	114	%	50-150	07.01.15 22.47	
4-Bromofluorobenzene	460-00-4	105	%	57-158	07.01.15 22.47	
Toluene-D8	2037-26-5	98	%	50-150	07.01.15 22.47	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12.29	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12.29	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12.29	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12.29	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12.29	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12.29	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12.29	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12.29	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12.29	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12.29	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12.29	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12.29	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12.29	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12.29	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	07.02.15 12.29	
4-Bromofluorobenzene	460-00-4	112	%	30-186	07.02.15 12.29	
Toluene-D8	2037-26-5	97	%	70-130	07.02.15 12.29	

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Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510637-001 MD Sample Id: 510637-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	26.6	26.4	1	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510685-006 MD Sample Id: 510685-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	8.96	9.19	3	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510690-004 MD Sample Id: 510690-004 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	22.6	22.3	1	20	%	07.01.15 13:00	

Analytical Method: **MADEP EPH** Prep Method: SW3545
Seq Number: 971710 Matrix: Solid Date Prep: 07.03.15
MB Sample Id: 694710-1-BLK LCS Sample Id: 694710-1-BKS LCSD Sample Id: 694710-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<20.0	170	144	85	147	86	40-140	2	40	mg/kg	07.06.15 18:15	
C9-C18 Aliphatics	<10.0	60.0	39.1	65	29.7	50	40-140	27	40	mg/kg	07.07.15 00:07	
C19-C36 Aliphatics	<10.0	80.0	60.7	76	53.1	66	40-140	13	40	mg/kg	07.07.15 00:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	56		65		49		40-140	%	07.07.15 00:07
o-Terphenyl	96		87		91		40-140	%	07.06.15 18:15
2-Fluorobiphenyl	85		72		89		40-140	%	07.06.15 18:15

QC Summary 510685

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124 Estes Dr.

Analytical Method: **MADEP EPH** Prep Method: SW3545

Seq Number: 971710 Matrix: Soil Date Prep: 07.03.15

Parent Sample Id: 510685-002 MS Sample Id: 510685-002 S MSD Sample Id: 510685-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<22.3	190	176	93	160	84	40-140	10	40	mg/kg	07.06.15 22:59	
C9-C18 Aliphatics	<11.2	67.0	46.9	70	45.9	68	40-140	2	40	mg/kg	07.07.15 04:21	
C19-C36 Aliphatics	<11.2	89.3	78.6	88	82.1	92	40-140	4	40	mg/kg	07.07.15 04:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	54		57		40-140	%	07.07.15 04:21
o-Terphenyl	87		90		40-140	%	07.06.15 22:59
2-Fluorobiphenyl	82		79		40-140	%	07.06.15 22:59

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D
Prep Method: SW3545
Seq Number: 971822
Matrix: Solid
Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK
LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	1.67	0.823	49	35-129	mg/kg	07.07.15 13:08	
1,2-Dichlorobenzene	<0.0540	1.67	0.720	43	38-122	mg/kg	07.07.15 13:08	
1,3-Dichlorobenzene	<0.0527	1.67	0.665	40	38-120	mg/kg	07.07.15 13:08	
1,4-Dichlorobenzene	<0.0520	1.67	0.707	42	37-121	mg/kg	07.07.15 13:08	
2,4,5-Trichlorophenol	<0.0613	1.67	0.795	48	40-135	mg/kg	07.07.15 13:08	
2,4,6-Trichlorophenol	<0.0643	1.67	0.825	49	39-139	mg/kg	07.07.15 13:08	
2,4-Dichlorophenol	<0.0423	1.67	0.747	45	36-135	mg/kg	07.07.15 13:08	
2,4-Dimethylphenol	<0.0607	1.67	0.711	43	38-133	mg/kg	07.07.15 13:08	
2,4-Dinitrotoluene	<0.0537	1.67	1.42	85	48-131	mg/kg	07.07.15 13:08	
2,6-Dinitrotoluene	<0.0433	1.67	1.14	68	42-136	mg/kg	07.07.15 13:08	
2-Chloronaphthalene	<0.0607	1.67	0.772	46	32-138	mg/kg	07.07.15 13:08	
2-Chlorophenol	<0.0597	1.67	0.670	40	38-125	mg/kg	07.07.15 13:08	
2-Methylnaphthalene	<0.0510	1.67	0.746	45	36-126	mg/kg	07.07.15 13:08	
2-methylphenol	<0.0467	1.67	0.628	38	37-128	mg/kg	07.07.15 13:08	
2-Nitroaniline	<0.0447	1.67	1.14	68	30-133	mg/kg	07.07.15 13:08	
2-Nitrophenol	<0.0420	1.67	0.654	39	33-142	mg/kg	07.07.15 13:08	
3&4-Methylphenol	<0.0987	1.67	0.695	42	38-126	mg/kg	07.07.15 13:08	
3-Nitroaniline	<0.0460	1.67	1.25	75	41-135	mg/kg	07.07.15 13:08	
4,6-dinitro-2-methyl phenol	<0.0580	1.67	1.31	78	30-146	mg/kg	07.07.15 13:08	
4-Bromophenyl-phenylether	<0.0567	1.67	0.980	59	37-140	mg/kg	07.07.15 13:08	
4-chloro-3-methylphenol	<0.0477	1.67	0.804	48	40-134	mg/kg	07.07.15 13:08	
4-Chloroaniline	<0.0553	1.67	0.917	55	34-124	mg/kg	07.07.15 13:08	
4-Chlorophenyl-phenyl ether	<0.0633	1.67	1.00	60	41-131	mg/kg	07.07.15 13:08	
4-Nitroaniline	<0.0507	1.67	1.33	80	46-132	mg/kg	07.07.15 13:08	
4-Nitrophenol	<0.0410	1.67	1.22	73	21-152	mg/kg	07.07.15 13:08	
Acenaphthene	<0.0467	1.67	0.810	49	37-131	mg/kg	07.07.15 13:08	
Acenaphthylene	<0.0567	1.67	0.858	51	39-129	mg/kg	07.07.15 13:08	
Aniline (Phenylamine, Aminobenzene)	<0.0367	1.67	1.11	66	33-117	mg/kg	07.07.15 13:08	
Anthracene	<0.0493	1.67	1.38	83	39-139	mg/kg	07.07.15 13:08	
Benzo(a)anthracene	<0.0540	1.67	1.67	100	44-135	mg/kg	07.07.15 13:08	
Benzo(a)pyrene	<0.0490	1.67	1.81	108	43-153	mg/kg	07.07.15 13:08	
Benzo(b)fluoranthene	<0.0543	1.67	1.67	100	40-153	mg/kg	07.07.15 13:08	
Benzo(g,h,i)perylene	<0.0550	1.67	1.43	86	40-153	mg/kg	07.07.15 13:08	
Benzo(k)fluoranthene	<0.0573	1.67	1.58	95	33-156	mg/kg	07.07.15 13:08	
Benzyl Butyl Phthalate	<0.0500	1.67	1.80	108	43-145	mg/kg	07.07.15 13:08	
bis(2-chloroethoxy) methane	<0.0400	1.67	0.735	44	30-129	mg/kg	07.07.15 13:08	
bis(2-chloroethyl) ether	<0.0473	1.67	0.721	43	33-127	mg/kg	07.07.15 13:08	
bis(2-chloroisopropyl) ether	<0.0450	1.67	0.905	54	25-124	mg/kg	07.07.15 13:08	
bis(2-ethylhexyl) phthalate	<0.0540	1.67	1.81	108	46-145	mg/kg	07.07.15 13:08	
Chrysene	<0.0443	1.67	1.71	102	42-135	mg/kg	07.07.15 13:08	
Dibenz(a,h)Anthracene	<0.0647	1.67	1.47	88	41-155	mg/kg	07.07.15 13:08	
Dibenzofuran	<0.0427	1.67	0.920	55	39-132	mg/kg	07.07.15 13:08	
Diethyl Phthalate	<0.0537	1.67	1.36	81	45-131	mg/kg	07.07.15 13:08	
Dimethyl Phthalate	<0.0503	1.67	1.22	73	43-132	mg/kg	07.07.15 13:08	
di-n-Butyl Phthalate	<0.0613	1.67	1.42	85	43-142	mg/kg	07.07.15 13:08	
di-n-Octyl Phthalate	<0.0553	1.67	1.75	105	34-166	mg/kg	07.07.15 13:08	
Fluoranthene	<0.0433	1.67	1.30	78	41-138	mg/kg	07.07.15 13:08	
Fluorene	<0.0407	1.67	0.976	58	41-131	mg/kg	07.07.15 13:08	
Hexachlorobenzene	<0.0557	1.67	1.11	66	36-142	mg/kg	07.07.15 13:08	
Hexachlorobutadiene	<0.0370	1.67	0.741	44	35-129	mg/kg	07.07.15 13:08	
Hexachlorocyclopentadiene	<0.0573	1.67	0.774	46	16-106	mg/kg	07.07.15 13:08	
Hexachloroethane	<0.0517	1.67	0.787	47	36-121	mg/kg	07.07.15 13:08	

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124 Estes Dr.

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545
Seq Number: 971822 Matrix: Solid Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0607	1.67	1.52	91	39-154	mg/kg	07.07.15 13:08	
Isophorone	<0.0343	1.67	0.966	58	36-128	mg/kg	07.07.15 13:08	
Naphthalene	<0.0533	1.67	0.680	41	35-128	mg/kg	07.07.15 13:08	
Nitrobenzene	<0.0593	1.67	0.789	47	32-129	mg/kg	07.07.15 13:08	
N-Nitrosodi-n-Propylamine	<0.0477	1.67	0.728	44	34-129	mg/kg	07.07.15 13:08	
N-Nitrosodiphenylamine	<0.0700	1.67	1.55	93	27-155	mg/kg	07.07.15 13:08	
Pentachlorophenol	<0.0603	1.67	0.881	53	14-148	mg/kg	07.07.15 13:08	
Phenanthrene	<0.0553	1.67	1.35	81	37-139	mg/kg	07.07.15 13:08	
Phenol	<0.0467	1.67	0.668	40	34-127	mg/kg	07.07.15 13:08	
Pyrene	<0.0567	1.67	1.56	93	42-138	mg/kg	07.07.15 13:08	
Pyridine	<0.0633	1.67	0.854	51	30-113	mg/kg	07.07.15 13:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorophenol	73		45		25-121	%	07.07.15 13:08
Nitrobenzene-d5	80		48		23-120	%	07.07.15 13:08
2-Fluorobiphenyl	83		47		30-115	%	07.07.15 13:08
2,4,6-Tribromophenol	71		68		19-122	%	07.07.15 13:08
Terphenyl-D14	110		95		18-137	%	07.07.15 13:08
Phenol-d5	66		39		15-110	%	07.07.15 13:08

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D | Prep Method: SW3545
Seq Number: 971822 | Matrix: Soil | Date Prep: 07.02.15
Parent Sample Id: 510688-002 | MS Sample Id: 510688-002 S | MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0675	1.91	0.908	48	1.61	85	31-100	56	30	mg/kg	07.07.15 14:06	F
1,2-Dichlorobenzene	<0.0618	1.91	0.854	45	1.25	66	27-97	38	30	mg/kg	07.07.15 14:06	F
1,3-Dichlorobenzene	<0.0603	1.91	0.856	45	1.33	70	25-96	43	30	mg/kg	07.07.15 14:06	F
1,4-Dichlorobenzene	<0.0595	1.91	0.869	45	1.28	67	27-94	38	30	mg/kg	07.07.15 14:06	F
2,4,5-Trichlorophenol	<0.0702	1.91	0.984	52	1.48	78	33-110	40	30	mg/kg	07.07.15 14:06	F
2,4,6-Trichlorophenol	<0.0737	1.91	0.937	49	1.55	82	35-111	49	30	mg/kg	07.07.15 14:06	F
2,4-Dichlorophenol	<0.0485	1.91	0.830	43	1.30	68	33-103	44	30	mg/kg	07.07.15 14:06	F
2,4-Dimethylphenol	<0.0695	1.91	0.802	42	1.30	68	28-109	47	30	mg/kg	07.07.15 14:06	F
2,4-Dinitrotoluene	<0.0614	1.91	1.30	68	1.60	84	35-122	21	30	mg/kg	07.07.15 14:06	
2,6-Dinitrotoluene	<0.0496	1.91	1.06	55	1.54	81	35-119	37	30	mg/kg	07.07.15 14:06	F
2-Chloronaphthalene	<0.0695	1.91	0.876	46	1.52	80	32-108	54	30	mg/kg	07.07.15 14:06	F
2-Chlorophenol	<0.0683	1.91	0.844	44	1.24	65	25-102	38	30	mg/kg	07.07.15 14:06	F
2-Methylnaphthalene	<0.0584	1.91	0.840	44	1.40	74	22-104	50	30	mg/kg	07.07.15 14:06	F
2-methylphenol	<0.0534	1.91	0.732	38	1.23	65	27-104	51	30	mg/kg	07.07.15 14:06	F
2-Nitroaniline	<0.0511	1.91	1.10	58	1.52	80	20-128	32	30	mg/kg	07.07.15 14:06	F
2-Nitrophenol	<0.0481	1.91	0.756	40	1.34	71	30-104	56	30	mg/kg	07.07.15 14:06	F
3&4-Methylphenol	<0.113	1.91	0.792	41	1.24	65	30-111	44	30	mg/kg	07.07.15 14:06	F
3-Nitroaniline	<0.0527	1.91	1.15	60	1.46	77	22-117	24	30	mg/kg	07.07.15 14:06	
4,6-dinitro-2-methyl phenol	<0.0664	1.91	1.37	72	1.64	86	3-130	18	30	mg/kg	07.07.15 14:06	
4-Bromophenyl-phenylether	<0.0649	1.91	0.981	51	1.36	72	38-115	32	30	mg/kg	07.07.15 14:06	F
4-chloro-3-methylphenol	<0.0546	1.91	0.870	46	1.34	71	26-116	43	30	mg/kg	07.07.15 14:06	F
4-Chloroaniline	<0.0634	1.91	1.01	53	1.56	82	4-104	43	30	mg/kg	07.07.15 14:06	F
4-Chlorophenyl-phenyl ether	<0.0725	1.91	1.09	57	1.46	77	34-114	29	30	mg/kg	07.07.15 14:06	
4-Nitroaniline	<0.0580	1.91	1.40	73	1.62	85	28-117	15	30	mg/kg	07.07.15 14:06	
4-Nitrophenol	<0.0469	1.91	1.19	62	1.51	79	12-137	24	30	mg/kg	07.07.15 14:06	
Acenaphthene	<0.0534	1.91	0.909	48	1.40	74	31-111	43	30	mg/kg	07.07.15 14:06	F
Acenaphthylene	<0.0649	1.91	0.895	47	1.49	78	36-122	50	30	mg/kg	07.07.15 14:06	F
Aniline (Phenylamine, Aminobenzene)	<0.0420	1.91	1.18	62	2.11	111	20-120	57	30	mg/kg	07.07.15 14:06	F
Anthracene	<0.0565	1.91	1.44	75	1.79	94	33-118	22	30	mg/kg	07.07.15 14:06	
Benzo(a)anthracene	<0.0618	1.91	1.66	87	1.76	93	31-136	6	30	mg/kg	07.07.15 14:06	
Benzo(a)pyrene	<0.0561	1.91	1.82	95	1.82	96	44-105	0	30	mg/kg	07.07.15 14:06	
Benzo(b)fluoranthene	<0.0622	1.91	1.73	91	1.72	91	29-120	1	30	mg/kg	07.07.15 14:06	
Benzo(g,h,i)perylene	<0.0630	1.91	1.59	83	1.62	85	35-126	2	30	mg/kg	07.07.15 14:06	
Benzo(k)fluoranthene	<0.0656	1.91	1.58	83	1.60	84	37-123	1	30	mg/kg	07.07.15 14:06	
Benzyl Butyl Phthalate	<0.0572	1.91	1.88	98	1.68	88	35-122	11	30	mg/kg	07.07.15 14:06	
bis(2-chloroethoxy) methane	<0.0458	1.91	0.817	43	1.41	74	31-106	53	30	mg/kg	07.07.15 14:06	F
bis(2-chloroethyl) ether	<0.0542	1.91	0.962	50	1.41	74	24-103	38	30	mg/kg	07.07.15 14:06	F
bis(2-chloroisopropyl) ether	<0.0515	1.91	1.03	54	1.69	89	32-103	49	30	mg/kg	07.07.15 14:06	F
bis(2-ethylhexyl) phthalate	<0.0618	1.91	1.82	95	1.82	96	32-129	0	30	mg/kg	07.07.15 14:06	
Chrysene	<0.0508	1.91	1.74	91	1.78	94	34-122	2	30	mg/kg	07.07.15 14:06	
Dibenz(a,h)Anthracene	<0.0740	1.91	1.58	83	1.60	84	36-124	1	30	mg/kg	07.07.15 14:06	
Dibenzofuran	<0.0488	1.91	0.974	51	1.51	79	31-107	43	30	mg/kg	07.07.15 14:06	F
Diethyl Phthalate	<0.0614	1.91	1.33	70	1.53	81	34-118	14	30	mg/kg	07.07.15 14:06	
Dimethyl Phthalate	<0.0576	1.91	1.09	57	1.51	79	36-115	32	30	mg/kg	07.07.15 14:06	F
di-n-Butyl Phthalate	<0.0702	1.91	1.47	77	1.54	81	37-121	5	30	mg/kg	07.07.15 14:06	
di-n-Octyl Phthalate	<0.0634	1.91	1.83	96	1.77	93	35-126	3	30	mg/kg	07.07.15 14:06	
Fluoranthene	<0.0496	1.91	1.60	84	1.75	92	15-135	9	30	mg/kg	07.07.15 14:06	
Fluorene	<0.0466	1.91	1.04	54	1.40	74	31-117	30	30	mg/kg	07.07.15 14:06	
Hexachlorobenzene	<0.0637	1.91	1.14	60	1.49	78	38-116	27	30	mg/kg	07.07.15 14:06	
Hexachlorobutadiene	<0.0424	1.91	0.852	45	1.38	73	30-98	47	30	mg/kg	07.07.15 14:06	F
Hexachlorocyclopentadiene	<0.0656	1.91	0.924	48	1.75	92	12-194	62	30	mg/kg	07.07.15 14:06	F
Hexachloroethane	<0.0592	1.91	0.937	49	1.39	73	27-98	39	30	mg/kg	07.07.15 14:06	F

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124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D — Prep Method: SW3545
Seq Number: 971822 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0695	1.91	1.61	84	1.60	84	30-129	1	30	mg/kg	07.07.15 14:06	
Isophorone	<0.0393	1.91	0.908	48	1.69	89	11-139	60	30	mg/kg	07.07.15 14:06	F
Naphthalene	<0.0611	1.91	0.830	43	1.37	72	31-100	49	30	mg/kg	07.07.15 14:06	F
Nitrobenzene	<0.0679	1.91	0.920	48	1.50	79	27-106	48	30	mg/kg	07.07.15 14:06	F
N-Nitrosodi-n-Propylamine	<0.0546	1.91	0.856	45	1.49	78	26-122	54	30	mg/kg	07.07.15 14:06	F
N-Nitrosodiphenylamine	<0.0801	1.91	1.55	81	2.01	106	38-127	26	30	mg/kg	07.07.15 14:06	
Pentachlorophenol	<0.0691	1.91	1.03	54	1.24	65	14-128	19	30	mg/kg	07.07.15 14:06	
Phenanthrene	<0.0634	1.91	1.40	73	1.79	94	34-115	24	30	mg/kg	07.07.15 14:06	
Phenol	<0.0534	1.91	0.794	42	1.18	62	23-104	39	30	mg/kg	07.07.15 14:06	F
Pyrene	<0.0649	1.91	1.90	99	1.92	101	33-112	1	30	mg/kg	07.07.15 14:06	
Pyridine	<0.0725	1.91	0.432	23	1.37	72	1-106	104	30	mg/kg	07.07.15 14:06	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	42		68		25-121	%	07.07.15 14:06
Nitrobenzene-d5	49		84		23-120	%	07.07.15 14:06
2-Fluorobiphenyl	46		79		30-115	%	07.07.15 14:06
2,4,6-Tribromophenol	61		80		19-122	%	07.07.15 14:06
Terphenyl-D14	90		87		18-137	%	07.07.15 14:06
Phenol-d5	44		65		15-110	%	07.07.15 14:06

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694608-1-BLK — LCS Sample Id: 694608-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<2.56	33.3	25.6	77	49-114	mg/kg	07.02.15 13:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
o-Terphenyl	72		85		32-128	%	07.02.15 13:29

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510460-003 — MS Sample Id: 510460-003 S — MSD Sample Id: 510460-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<5.95	77.4	26.7	34	43.6	56	32-119	48	20	mg/kg	07.02.15 16:22	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	57		74		32-128	%	07.02.15 16:22

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Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Solid — Date Prep: 07.02.15
MB Sample Id: 694721-1-BLK — LCS Sample Id: 694721-1-BKS — LCSD Sample Id: 694721-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.000150	0.150	0.142	95	0.150	100	70-130	5	25	mg/kg	07.02.15 12:51	
C9-C12 Aliphatics	<0.000150	0.150	0.149	99	0.144	96	70-130	3	25	mg/kg	07.02.15 12:51	
C9-C10 Aromatics	<0.0000500	0.0500	0.0501	100	0.0510	102	70-130	2	25	mg/kg	07.02.15 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	113		97		105		70-130	%	07.02.15 12:51
2,5-Dibromotoluene (PID)	116		103		106		70-130	%	07.02.15 12:51

Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.00638	6.38	6.23	98	5.98	94	70-130	4	25	mg/kg	07.03.15 05:13	
C9-C12 Aliphatics	5.99	6.38	8.26	36	8.44	38	70-130	2	25	mg/kg	07.03.15 05:13	X
C9-C10 Aromatics	2.49	2.13	3.42	44	3.36	41	70-130	2	25	mg/kg	07.03.15 05:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	101		100		70-130	%	07.03.15 05:13
2,5-Dibromotoluene (PID)	109		109		70-130	%	07.03.15 05:13

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694652-1-BLK — LCS Sample Id: 694652-1-BKS — LCSD Sample Id: 694652-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.029	1.0	0.90	90	0.91	91	64-114	1	25	mg/kg	07.01.15 19:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	91		103		109		57-131	%	07.01.15 19:00

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510640-001 — MS Sample Id: 510640-001 S — MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	11	70	64	76	56	64	64-114	13	25	mg/kg	07.02.15 00:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	93		77		57-131	%	07.02.15 00:25

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Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971495 | Matrix: Solid | Date Prep: 07.01.15

MB Sample Id: 694659-1-BLK | LCS Sample Id: 694659-1-BKS | LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.053	106	0.051	102	75-145	4	20	mg/kg	07.01.15 16:36	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.042	84	0.043	86	78-120	2	20	mg/kg	07.01.15 16:36	
1,1,2-Trichloroethane	<0.00067	0.050	0.042	84	0.043	86	81-115	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethane	<0.00080	0.050	0.053	106	0.052	104	73-131	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethene	<0.0012	0.050	0.058	116	0.057	114	67-144	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloropropene	<0.00054	0.050	0.052	104	0.050	100	83-141	4	20	mg/kg	07.01.15 16:36	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.048	96	0.047	94	59-168	2	20	mg/kg	07.01.15 16:36	
1,2,3-Trichloropropane	<0.0016	0.050	0.040	80	0.041	82	73-129	2	20	mg/kg	07.01.15 16:36	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.052	104	0.050	100	61-170	4	20	mg/kg	07.01.15 16:36	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.051	102	0.049	98	73-145	4	20	mg/kg	07.01.15 16:36	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.043	86	0.044	88	81-121	2	20	mg/kg	07.01.15 16:36	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloroethane	<0.00060	0.050	0.043	86	0.044	88	63-150	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloropropane	<0.00093	0.050	0.046	92	0.046	92	76-121	0	20	mg/kg	07.01.15 16:36	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.052	104	0.050	100	69-152	4	20	mg/kg	07.01.15 16:36	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.01.15 16:36	
1,3-Dichloropropane	<0.00069	0.050	0.043	86	0.045	90	82-117	5	20	mg/kg	07.01.15 16:36	
1,4-Dichlorobenzene	<0.00068	0.050	0.046	92	0.045	90	74-143	2	20	mg/kg	07.01.15 16:36	
2,2-Dichloropropane	<0.00060	0.050	0.057	114	0.055	110	67-153	4	20	mg/kg	07.01.15 16:36	
2-Butanone (MEK)	<0.0023	0.10	0.069	69	0.077	77	44-158	11	20	mg/kg	07.01.15 16:36	
2-Chlorotoluene	<0.00071	0.050	0.051	102	0.049	98	74-143	4	20	mg/kg	07.01.15 16:36	
2-Hexanone	<0.0011	0.10	0.076	76	0.084	84	59-154	10	20	mg/kg	07.01.15 16:36	
4-Chlorotoluene	<0.00055	0.050	0.051	102	0.049	98	76-140	4	20	mg/kg	07.01.15 16:36	
4-Isopropyltoluene	<0.00080	0.050	0.054	108	0.052	104	50-173	4	20	mg/kg	07.01.15 16:36	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.072	72	0.082	82	65-132	13	20	mg/kg	07.01.15 16:36	
Acetone	<0.0069	0.10	0.066	66	0.074	74	43-163	11	20	mg/kg	07.01.15 16:36	
Benzene	<0.00051	0.050	0.047	94	0.047	94	65-135	0	20	mg/kg	07.01.15 16:36	
Bromobenzene	<0.00085	0.050	0.048	96	0.047	94	83-120	2	20	mg/kg	07.01.15 16:36	
Bromochloromethane	<0.0010	0.050	0.045	90	0.046	92	79-126	2	20	mg/kg	07.01.15 16:36	
Bromodichloromethane	<0.00050	0.050	0.048	96	0.049	98	80-135	2	20	mg/kg	07.01.15 16:36	
Bromoform	<0.00096	0.050	0.043	86	0.043	86	71-135	0	20	mg/kg	07.01.15 16:36	
Bromomethane	<0.0025	0.050	0.065	130	0.064	128	51-149	2	20	mg/kg	07.01.15 16:36	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.051	102	70-156	4	20	mg/kg	07.01.15 16:36	
Chlorobenzene	<0.00058	0.050	0.047	94	0.047	94	76-131	0	20	mg/kg	07.01.15 16:36	
Chlorodibromomethane	<0.00099	0.050	0.042	84	0.044	88	81-136	5	20	mg/kg	07.01.15 16:36	
Chloroethane	<0.0024	0.050	0.065	130	0.064	128	64-131	2	20	mg/kg	07.01.15 16:36	
Chloroform	<0.00074	0.050	0.049	98	0.048	96	78-125	2	20	mg/kg	07.01.15 16:36	
Chloromethane	<0.0023	0.050	0.054	108	0.053	106	59-127	2	20	mg/kg	07.01.15 16:36	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.048	96	80-123	0	20	mg/kg	07.01.15 16:36	
cis-1,3-Dichloropropene	<0.00054	0.050	0.050	100	0.051	102	81-123	2	20	mg/kg	07.01.15 16:36	
Dichlorodifluoromethane	<0.0012	0.050	0.087	174	0.082	164	33-161	6	20	mg/kg	07.01.15 16:36	H
Ethanol	<0.028	2.0	1.3	65	1.4	70	56-147	7	20	mg/kg	07.01.15 16:36	
Ethylbenzene	<0.00057	0.050	0.050	100	0.049	98	65-139	2	20	mg/kg	07.01.15 16:36	
Isopropyl Ether	<0.0013	0.050	0.051	102	0.052	104	74-125	2	20	mg/kg	07.01.15 16:36	
Isopropylbenzene	<0.00076	0.050	0.053	106	0.051	102	65-153	4	20	mg/kg	07.01.15 16:36	
m,p-Xylenes	<0.00121	0.100	0.0994	99	0.0972	97	75-141	2	20	mg/kg	07.01.15 16:36	
Methyl tert-butyl ether	<0.00069	0.10	0.095	95	0.10	100	70-131	5	20	mg/kg	07.01.15 16:36	
Methylene chloride	<0.0022	0.050	0.056	112	0.060	120	65-137	7	20	mg/kg	07.01.15 16:36	
Naphthalene	<0.0013	0.050	0.042	84	0.043	86	68-151	2	20	mg/kg	07.01.15 16:36	
n-Butylbenzene	<0.00088	0.050	0.055	110	0.051	102	43-199	8	20	mg/kg	07.01.15 16:36	
n-Propylbenzene	<0.00078	0.050	0.052	104	0.050	100	60-161	4	20	mg/kg	07.01.15 16:36	
o-Xylene	<0.000716	0.0500	0.0493	99	0.0488	98	73-141	1	20	mg/kg	07.01.15 16:36	

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Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035
Seq Number: 971495 Matrix: Solid Date Prep: 07.01.15
MB Sample Id: 694659-1-BLK LCS Sample Id: 694659-1-BKS LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.052	104	0.050	100	44-179	4	20	mg/kg	07.01.15 16:36	
Styrene	<0.00074	0.050	0.043	86	0.043	86	82-129	0	20	mg/kg	07.01.15 16:36	
tert-Butylbenzene	<0.00083	0.050	0.053	106	0.050	100	56-163	6	20	mg/kg	07.01.15 16:36	
Tetrachloroethene	<0.0010	0.050	0.048	96	0.047	94	78-144	2	20	mg/kg	07.01.15 16:36	
Toluene	<0.00059	0.050	0.049	98	0.048	96	83-115	2	20	mg/kg	07.01.15 16:36	
trans-1,2-Dichloroethene	<0.00078	0.050	0.057	114	0.056	112	72-132	2	20	mg/kg	07.01.15 16:36	
trans-1,3-Dichloropropene	<0.00067	0.050	0.045	90	0.046	92	82-132	2	20	mg/kg	07.01.15 16:36	
Trichloroethene	<0.00071	0.050	0.048	96	0.046	92	80-126	4	20	mg/kg	07.01.15 16:36	
Trichlorofluoromethane	<0.0035	0.050	0.055	110	0.051	102	55-155	8	20	mg/kg	07.01.15 16:36	
Vinyl acetate	<0.00072	0.050	0.040	80	0.044	88	57-146	10	20	mg/kg	07.01.15 16:36	
Vinyl chloride	<0.0020	0.050	0.064	128	0.061	122	70-130	5	20	mg/kg	07.01.15 16:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		94		94		50-150	%	07.01.15 16:36
4-Bromofluorobenzene	104		102		100		57-158	%	07.01.15 16:36
Toluene-D8	100		100		100		50-150	%	07.01.15 16:36

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Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971611 | Matrix: Solid | Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK | LCS Sample Id: 694724-1-BKS | LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.051	102	0.048	96	75-145	6	20	mg/kg	07.03.15 12:44	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.049	98	0.051	102	78-120	4	20	mg/kg	07.03.15 12:44	
1,1,2-Trichloroethane	<0.00067	0.050	0.047	94	0.046	92	81-115	2	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethane	<0.00080	0.050	0.049	98	0.049	98	73-131	0	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethene	<0.0012	0.050	0.051	102	0.048	96	67-144	6	20	mg/kg	07.03.15 12:44	
1,1-Dichloropropene	<0.00054	0.050	0.050	100	0.046	92	83-141	8	20	mg/kg	07.03.15 12:44	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.050	100	59-168	0	20	mg/kg	07.03.15 12:44	
1,2,3-Trichloropropane	<0.0016	0.050	0.048	96	0.047	94	73-129	2	20	mg/kg	07.03.15 12:44	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.051	102	61-170	4	20	mg/kg	07.03.15 12:44	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.049	98	0.047	94	81-121	4	20	mg/kg	07.03.15 12:44	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloroethane	<0.00060	0.050	0.048	96	0.047	94	63-150	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloropropane	<0.00093	0.050	0.047	94	0.045	90	76-121	4	20	mg/kg	07.03.15 12:44	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.049	98	0.047	94	69-152	4	20	mg/kg	07.03.15 12:44	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,3-Dichloropropane	<0.00069	0.050	0.047	94	0.046	92	82-117	2	20	mg/kg	07.03.15 12:44	
1,4-Dichlorobenzene	<0.00068	0.050	0.047	94	0.045	90	74-143	4	20	mg/kg	07.03.15 12:44	
2,2-Dichloropropane	<0.00060	0.050	0.054	108	0.050	100	67-153	8	20	mg/kg	07.03.15 12:44	
2-Butanone (MEK)	<0.0023	0.10	0.097	97	0.095	95	44-158	2	20	mg/kg	07.03.15 12:44	
2-Chlorotoluene	<0.00071	0.050	0.049	98	0.047	94	74-143	4	20	mg/kg	07.03.15 12:44	
2-Hexanone	<0.0011	0.10	0.11	110	0.10	100	59-154	10	20	mg/kg	07.03.15 12:44	
4-Chlorotoluene	<0.00055	0.050	0.048	96	0.047	94	76-140	2	20	mg/kg	07.03.15 12:44	
4-Isopropyltoluene	<0.00080	0.050	0.050	100	0.049	98	50-173	2	20	mg/kg	07.03.15 12:44	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.098	98	0.096	96	65-132	2	20	mg/kg	07.03.15 12:44	
Acetone	<0.0069	0.10	0.099	99	0.095	95	43-163	4	20	mg/kg	07.03.15 12:44	
Benzene	<0.00051	0.050	0.048	96	0.045	90	65-135	6	20	mg/kg	07.03.15 12:44	
Bromobenzene	<0.00085	0.050	0.047	94	0.047	94	83-120	0	20	mg/kg	07.03.15 12:44	
Bromochloromethane	<0.0010	0.050	0.048	96	0.047	94	79-126	2	20	mg/kg	07.03.15 12:44	
Bromodichloromethane	<0.00050	0.050	0.046	92	0.045	90	80-135	2	20	mg/kg	07.03.15 12:44	
Bromoform	<0.00096	0.050	0.050	100	0.050	100	71-135	0	20	mg/kg	07.03.15 12:44	
Bromomethane	<0.0025	0.050	0.059	118	0.056	112	51-149	5	20	mg/kg	07.03.15 12:44	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.050	100	70-156	6	20	mg/kg	07.03.15 12:44	
Chlorobenzene	<0.00058	0.050	0.049	98	0.046	92	76-131	6	20	mg/kg	07.03.15 12:44	
Chlorodibromomethane	<0.00099	0.050	0.047	94	0.046	92	81-136	2	20	mg/kg	07.03.15 12:44	
Chloroethane	<0.0024	0.050	0.050	100	0.046	92	64-131	8	20	mg/kg	07.03.15 12:44	
Chloroform	<0.00074	0.050	0.049	98	0.046	92	78-125	6	20	mg/kg	07.03.15 12:44	
Chloromethane	<0.0023	0.050	0.048	96	0.046	92	59-127	4	20	mg/kg	07.03.15 12:44	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.046	92	80-123	4	20	mg/kg	07.03.15 12:44	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.050	100	81-123	2	20	mg/kg	07.03.15 12:44	
Dichlorodifluoromethane	<0.0012	0.050	0.052	104	0.048	96	33-161	8	20	mg/kg	07.03.15 12:44	
Ethanol	<0.028	2.0	1.7	85	1.8	90	56-147	6	20	mg/kg	07.03.15 12:44	
Ethylbenzene	<0.00057	0.050	0.049	98	0.047	94	65-139	4	20	mg/kg	07.03.15 12:44	
Isopropyl Ether	<0.0013	0.050	0.048	96	0.047	94	74-125	2	20	mg/kg	07.03.15 12:44	
Isopropylbenzene	<0.00076	0.050	0.050	100	0.048	96	65-153	4	20	mg/kg	07.03.15 12:44	
m,p-Xylenes	<0.00121	0.100	0.0990	99	0.0943	94	75-141	5	20	mg/kg	07.03.15 12:44	
Methyl tert-butyl ether	<0.00069	0.10	0.097	97	0.096	96	70-131	1	20	mg/kg	07.03.15 12:44	
Methylene chloride	<0.0022	0.050	0.050	100	0.050	100	65-137	0	20	mg/kg	07.03.15 12:44	
Naphthalene	<0.0013	0.050	0.049	98	0.049	98	68-151	0	20	mg/kg	07.03.15 12:44	
n-Butylbenzene	<0.00088	0.050	0.051	102	0.048	96	43-199	6	20	mg/kg	07.03.15 12:44	
n-Propylbenzene	<0.00078	0.050	0.049	98	0.048	96	60-161	2	20	mg/kg	07.03.15 12:44	
o-Xylene	<0.000716	0.0500	0.0492	98	0.0472	94	73-141	4	20	mg/kg	07.03.15 12:44	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971611 Matrix: Solid Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK LCS Sample Id: 694724-1-BKS LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.049	98	0.048	96	44-179	2	20	mg/kg	07.03.15 12:44	
Styrene	<0.00074	0.050	0.049	98	0.048	96	82-129	2	20	mg/kg	07.03.15 12:44	
tert-Butylbenzene	<0.00083	0.050	0.049	98	0.048	96	56-163	2	20	mg/kg	07.03.15 12:44	
Tetrachloroethene	<0.0010	0.050	0.049	98	0.046	92	78-144	6	20	mg/kg	07.03.15 12:44	
Toluene	<0.00059	0.050	0.048	96	0.046	92	83-115	4	20	mg/kg	07.03.15 12:44	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	07.03.15 12:44	
trans-1,3-Dichloropropene	<0.00067	0.050	0.048	96	0.046	92	82-132	4	20	mg/kg	07.03.15 12:44	
Trichloroethene	<0.00071	0.050	0.049	98	0.046	92	80-126	6	20	mg/kg	07.03.15 12:44	
Trichlorofluoromethane	<0.0035	0.050	0.058	116	0.055	110	55-155	5	20	mg/kg	07.03.15 12:44	
Vinyl acetate	<0.00072	0.050	0.051	102	0.050	100	57-146	2	20	mg/kg	07.03.15 12:44	
Vinyl chloride	<0.0020	0.050	0.050	100	0.050	100	70-130	0	20	mg/kg	07.03.15 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	112		102		104		50-150	%	07.03.15 12:44
4-Bromofluorobenzene	105		101		101		57-158	%	07.03.15 12:44
Toluene-D8	98		100		97		50-150	%	07.03.15 12:44

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	50.8	102	65-130	ug/L	07.02.15 10:15	
1,1,2,2-Tetrachloroethane	<0.180	50.0	45.5	91	65-130	ug/L	07.02.15 10:15	
1,1,2-Trichloroethane	<0.250	50.0	47.7	95	75-125	ug/L	07.02.15 10:15	
1,1-Dichloroethane	<0.110	50.0	47.0	94	70-135	ug/L	07.02.15 10:15	
1,1-Dichloroethene	<0.200	50.0	53.1	106	70-130	ug/L	07.02.15 10:15	
1,1-Dichloropropene	<0.100	50.0	49.8	100	75-130	ug/L	07.02.15 10:15	
1,2,3-Trichlorobenzene	<0.250	50.0	62.4	125	55-140	ug/L	07.02.15 10:15	
1,2,3-Trichloropropane	<0.210	50.0	50.1	100	75-125	ug/L	07.02.15 10:15	
1,2,4-Trichlorobenzene	<0.170	50.0	52.0	104	65-135	ug/L	07.02.15 10:15	
1,2,4-Trimethylbenzene	<0.140	50.0	50.9	102	75-130	ug/L	07.02.15 10:15	
1,2-Dibromoethane (EDB)	<0.180	50.0	49.3	99	80-120	ug/L	07.02.15 10:15	
1,2-Dichlorobenzene	<0.140	50.0	48.7	97	70-120	ug/L	07.02.15 10:15	
1,2-Dichloroethane	<0.180	50.0	52.0	104	70-130	ug/L	07.02.15 10:15	
1,2-Dichloropropane	<0.150	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
1,3,5-Trimethylbenzene	<0.170	50.0	50.0	100	75-130	ug/L	07.02.15 10:15	
1,3-Dichlorobenzene	<0.170	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
1,3-Dichloropropane	<0.190	50.0	51.0	102	75-125	ug/L	07.02.15 10:15	
1,4-Dichlorobenzene	<0.170	50.0	49.2	98	75-125	ug/L	07.02.15 10:15	
2,2-Dichloropropane	<0.210	50.0	46.2	92	70-130	ug/L	07.02.15 10:15	
2-Butanone (MEK)	<0.280	100	87.6	88	30-150	ug/L	07.02.15 10:15	
2-Chlorotoluene	<0.190	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
2-Hexanone	<0.320	100	95.4	95	55-130	ug/L	07.02.15 10:15	
4-Chlorotoluene	<0.130	50.0	49.2	98	75-130	ug/L	07.02.15 10:15	
4-Isopropyltoluene	<0.130	50.0	48.4	97	75-130	ug/L	07.02.15 10:15	
4-Methyl-2-pentanone (MIBK)	<0.260	100	92.2	92	60-135	ug/L	07.02.15 10:15	
Acetone	<0.350	100	112	112	40-140	ug/L	07.02.15 10:15	
Benzene	<0.160	50.0	51.2	102	80-120	ug/L	07.02.15 10:15	
Bromobenzene	<0.210	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
Bromochloromethane	<0.200	50.0	55.2	110	65-130	ug/L	07.02.15 10:15	
Bromodichloromethane	<0.250	50.0	48.3	97	75-120	ug/L	07.02.15 10:15	
Bromoform	<0.170	50.0	37.9	76	70-130	ug/L	07.02.15 10:15	
Bromomethane	<0.250	50.0	62.0	124	30-145	ug/L	07.02.15 10:15	
Carbon tetrachloride	<0.330	50.0	51.2	102	65-140	ug/L	07.02.15 10:15	
Chlorobenzene	<0.150	50.0	51.0	102	80-120	ug/L	07.02.15 10:15	
Chlorodibromomethane	<0.150	50.0	44.9	90	60-135	ug/L	07.02.15 10:15	
Chloroethane	<0.260	50.0	56.3	113	60-135	ug/L	07.02.15 10:15	
Chloroform	<0.160	50.0	51.2	102	65-135	ug/L	07.02.15 10:15	
Chloromethane	<0.250	50.0	60.9	122	40-125	ug/L	07.02.15 10:15	
cis-1,2-Dichloroethene	<0.210	50.0	49.8	100	70-125	ug/L	07.02.15 10:15	
cis-1,3-Dichloropropene	<0.100	50.0	49.0	98	70-130	ug/L	07.02.15 10:15	
Dichlorodifluoromethane	<0.220	50.0	49.6	99	30-155	ug/L	07.02.15 10:15	
Ethanol	<8.00	2000	1900	95	65-135	ug/L	07.02.15 10:15	
Ethylbenzene	<0.190	50.0	51.9	104	75-125	ug/L	07.02.15 10:15	
Isopropyl ether	<0.0800	50.0	49.9	100	65-135	ug/L	07.02.15 10:15	
Isopropylbenzene	<0.150	50.0	51.1	102	75-125	ug/L	07.02.15 10:15	
m,p-Xylenes	<0.510	100	102	102	75-130	ug/L	07.02.15 10:15	
Methyl tert-butyl ether	<0.180	100	97.7	98	65-125	ug/L	07.02.15 10:15	
Methylene chloride	<0.420	50.0	54.1	108	55-140	ug/L	07.02.15 10:15	
Naphthalene	<0.220	50.0	52.8	106	55-140	ug/L	07.02.15 10:15	
n-Butylbenzene	<0.170	50.0	50.3	101	70-130	ug/L	07.02.15 10:15	
n-Propylbenzene	<0.180	50.0	50.2	100	70-130	ug/L	07.02.15 10:15	
o-Xylene	<0.200	50.0	53.4	107	80-120	ug/L	07.02.15 10:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	49.2	98	70-125	ug/L	07.02.15 10:15	
Styrene	<0.180	50.0	53.1	106	65-135	ug/L	07.02.15 10:15	
tert-Butylbenzene	<0.180	50.0	50.0	100	70-130	ug/L	07.02.15 10:15	
Tetrachloroethene	<0.160	50.0	53.4	107	45-150	ug/L	07.02.15 10:15	
Toluene	<0.140	50.0	50.9	102	75-120	ug/L	07.02.15 10:15	
trans-1,2-Dichloroethene	<0.210	50.0	58.5	117	60-140	ug/L	07.02.15 10:15	
trans-1,3-Dichloropropene	<0.110	50.0	48.3	97	55-140	ug/L	07.02.15 10:15	
Trichloroethene	<0.190	50.0	51.1	102	70-125	ug/L	07.02.15 10:15	
Trichlorofluoromethane	<0.530	50.0	57.8	116	60-145	ug/L	07.02.15 10:15	
Vinyl acetate	<0.720	50.0	48.0	96	65-135	ug/L	07.02.15 10:15	
Vinyl chloride	<0.190	50.0	56.5	113	50-145	ug/L	07.02.15 10:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	79		99		53-159	%	07.02.15 10:15
4-Bromofluorobenzene	99		101		30-186	%	07.02.15 10:15
Toluene-D8	97		98		70-130	%	07.02.15 10:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00089	0.059	0.042	71	0.041	69	62-137	2	20	mg/kg	07.02.15 00:15	
1,1,2,2-Tetrachloroethane	<0.0014	0.059	0.040	68	0.040	68	64-128	0	20	mg/kg	07.02.15 00:15	
1,1,2-Trichloroethane	<0.00079	0.059	0.042	71	0.041	69	61-130	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethane	<0.00095	0.059	0.046	78	0.045	76	65-136	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethene	<0.0014	0.059	0.048	81	0.047	80	33-158	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloropropene	<0.00064	0.059	0.042	71	0.041	69	42-152	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichlorobenzene	<0.00068	0.059	0.043	73	0.042	71	48-135	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichloropropane	<0.0019	0.059	0.041	69	0.040	68	58-134	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trichlorobenzene	<0.0010	0.059	0.046	78	0.045	76	43-139	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trimethylbenzene	<0.00085	0.059	0.058	98	0.055	93	66-134	5	20	mg/kg	07.02.15 00:15	
1,2-Dibromoethane (EDB)	<0.0010	0.059	0.043	73	0.041	69	69-132	5	20	mg/kg	07.02.15 00:15	
1,2-Dichlorobenzene	<0.0015	0.059	0.041	69	0.041	69	71-120	0	20	mg/kg	07.02.15 00:15	X
1,2-Dichloroethane	<0.00071	0.059	0.037	63	0.037	63	53-140	0	20	mg/kg	07.02.15 00:15	
1,2-Dichloropropane	<0.0011	0.059	0.043	73	0.043	73	68-126	0	20	mg/kg	07.02.15 00:15	
1,3,5-Trimethylbenzene	<0.00096	0.059	0.046	78	0.046	78	67-134	0	20	mg/kg	07.02.15 00:15	
1,3-Dichlorobenzene	<0.0012	0.059	0.040	68	0.040	68	68-127	0	20	mg/kg	07.02.15 00:15	
1,3-Dichloropropane	<0.00081	0.059	0.043	73	0.043	73	70-129	0	20	mg/kg	07.02.15 00:15	
1,4-Dichlorobenzene	<0.00081	0.059	0.039	66	0.039	66	72-118	0	20	mg/kg	07.02.15 00:15	X
2,2-Dichloropropane	<0.00071	0.059	0.045	76	0.043	73	68-151	5	20	mg/kg	07.02.15 00:15	
2-Butanone (MEK)	<0.0027	0.12	0.072	60	0.071	59	42-147	1	20	mg/kg	07.02.15 00:15	
2-Chlorotoluene	<0.00084	0.059	0.044	75	0.043	73	68-127	2	20	mg/kg	07.02.15 00:15	
2-Hexanone	<0.0013	0.12	0.079	66	0.080	67	32-142	1	20	mg/kg	07.02.15 00:15	
4-Chlorotoluene	<0.00065	0.059	0.041	69	0.041	69	68-127	0	20	mg/kg	07.02.15 00:15	
4-Isopropyltoluene	<0.00095	0.059	0.047	80	0.047	80	64-135	0	20	mg/kg	07.02.15 00:15	
4-Methyl-2-pentanone (MIBK)	<0.0038	0.12	0.077	64	0.074	62	34-149	4	20	mg/kg	07.02.15 00:15	
Acetone	<0.0081	0.12	0.063	53	0.059	49	43-163	7	20	mg/kg	07.02.15 00:15	
Benzene	<0.00061	0.059	0.042	71	0.041	69	65-135	2	20	mg/kg	07.02.15 00:15	
Bromobenzene	<0.0010	0.059	0.040	68	0.040	68	67-121	0	20	mg/kg	07.02.15 00:15	
Bromochloromethane	<0.0012	0.059	0.043	73	0.041	69	66-137	5	20	mg/kg	07.02.15 00:15	
Bromodichloromethane	<0.00059	0.059	0.041	69	0.038	64	60-129	8	20	mg/kg	07.02.15 00:15	
Bromoform	<0.0011	0.059	0.037	63	0.035	59	48-147	6	20	mg/kg	07.02.15 00:15	
Bromomethane	<0.0029	0.059	0.027	46	0.029	49	42-170	7	20	mg/kg	07.02.15 00:15	
Carbon tetrachloride	<0.00088	0.059	0.037	63	0.036	61	71-117	3	20	mg/kg	07.02.15 00:15	X
Chlorobenzene	<0.00068	0.059	0.042	71	0.041	69	71-117	2	20	mg/kg	07.02.15 00:15	X
Chlorodibromomethane	<0.0012	0.059	0.039	66	0.036	61	59-135	8	20	mg/kg	07.02.15 00:15	
Chloroethane	<0.0029	0.059	0.048	81	0.056	95	44-166	15	20	mg/kg	07.02.15 00:15	
Chloroform	<0.00088	0.059	0.040	68	0.040	68	62-127	0	20	mg/kg	07.02.15 00:15	
Chloromethane	<0.0027	0.059	0.040	68	0.038	64	34-157	5	20	mg/kg	07.02.15 00:15	
cis-1,2-Dichloroethene	<0.00078	0.059	0.044	75	0.043	73	41-155	2	20	mg/kg	07.02.15 00:15	
cis-1,3-Dichloropropene	<0.00064	0.059	0.048	81	0.046	78	63-128	4	20	mg/kg	07.02.15 00:15	
Dichlorodifluoromethane	<0.0014	0.059	0.072	122	0.069	117	16-171	4	20	mg/kg	07.02.15 00:15	
Ethanol	<0.033	2.4	1.5	63	1.4	58	23-148	7	20	mg/kg	07.02.15 00:15	
Ethylbenzene	<0.00067	0.059	0.045	76	0.044	75	65-139	2	20	mg/kg	07.02.15 00:15	
Isopropyl Ether	<0.0015	0.059	0.045	76	0.044	75	57-138	2	20	mg/kg	07.02.15 00:15	
Isopropylbenzene	<0.00090	0.059	0.044	75	0.044	75	62-133	0	20	mg/kg	07.02.15 00:15	
m,p-Xylenes	<0.00143	0.118	0.0960	81	0.0915	78	69-130	5	20	mg/kg	07.02.15 00:15	
Methyl tert-butyl ether	<0.00082	0.12	0.10	83	0.099	83	48-169	1	20	mg/kg	07.02.15 00:15	
Methylene chloride	<0.0026	0.059	0.058	98	0.059	100	17-184	2	20	mg/kg	07.02.15 00:15	
Naphthalene	0.0015	0.059	0.058	96	0.055	91	27-157	5	20	mg/kg	07.02.15 00:15	
n-Butylbenzene	<0.0010	0.059	0.048	81	0.048	81	59-136	0	20	mg/kg	07.02.15 00:15	
n-Propylbenzene	<0.00092	0.059	0.045	76	0.044	75	67-134	2	20	mg/kg	07.02.15 00:15	
o-Xylene	<0.000846	0.0591	0.0500	85	0.0475	81	71-124	5	20	mg/kg	07.02.15 00:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00078	0.059	0.043	73	0.044	75	65-131	2	20	mg/kg	07.02.15 00:15	
Styrene	<0.00088	0.059	0.040	68	0.038	64	50-143	5	20	mg/kg	07.02.15 00:15	
tert-Butylbenzene	<0.00099	0.059	0.042	71	0.044	75	67-131	5	20	mg/kg	07.02.15 00:15	
Tetrachloroethene	<0.0012	0.059	0.041	69	0.040	68	42-156	2	20	mg/kg	07.02.15 00:15	
Toluene	<0.00070	0.059	0.046	78	0.043	73	13-188	7	20	mg/kg	07.02.15 00:15	
trans-1,2-Dichloroethene	<0.00092	0.059	0.048	81	0.047	80	57-143	2	20	mg/kg	07.02.15 00:15	
trans-1,3-Dichloropropene	<0.00079	0.059	0.045	76	0.043	73	55-141	5	20	mg/kg	07.02.15 00:15	
Trichloroethene	<0.00084	0.059	0.040	68	0.041	69	39-150	2	20	mg/kg	07.02.15 00:15	
Trichlorofluoromethane	<0.0042	0.059	0.039	66	0.038	64	34-179	3	20	mg/kg	07.02.15 00:15	
Vinyl acetate	<0.00085	0.059	0.026	44	0.026	44	13-188	0	20	mg/kg	07.02.15 00:15	
Vinyl chloride	<0.0024	0.059	0.052	88	0.049	83	40-161	6	20	mg/kg	07.02.15 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	95		93		50-150	%	07.02.15 00:15
4-Bromofluorobenzene	98		103		57-158	%	07.02.15 00:15
Toluene-D8	100		101		50-150	%	07.02.15 00:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	36.6	73	36.8	74	59-138	1	20	ug/L	07.02.15 20:07	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.4	103	51.4	103	63-126	0	20	ug/L	07.02.15 20:07	
1,1,2-Trichloroethane	<0.250	50.0	49.6	99	48.8	98	72-115	2	20	ug/L	07.02.15 20:07	
1,1-Dichloroethane	<0.110	50.0	37.0	74	35.8	72	69-132	3	20	ug/L	07.02.15 20:07	
1,1-Dichloroethene	<0.200	50.0	22.2	44	24.3	49	62-131	9	20	ug/L	07.02.15 20:07	X
1,1-Dichloropropene	<0.100	50.0	44.4	89	43.9	88	74-123	1	20	ug/L	07.02.15 20:07	
1,2,3-Trichlorobenzene	<0.250	50.0	39.5	79	39.5	79	48-122	0	20	ug/L	07.02.15 20:07	
1,2,3-Trichloropropane	<0.210	50.0	49.3	99	51.3	103	59-119	4	20	ug/L	07.02.15 20:07	
1,2,4-Trichlorobenzene	<0.170	50.0	40.2	80	40.6	81	34-131	1	20	ug/L	07.02.15 20:07	
1,2,4-Trimethylbenzene	2.85	50.0	44.2	83	43.9	82	47-139	1	20	ug/L	07.02.15 20:07	
1,2-Dibromoethane (EDB)	<0.180	50.0	45.2	90	44.8	90	66-125	1	20	ug/L	07.02.15 20:07	
1,2-Dichlorobenzene	<0.140	50.0	43.3	87	43.0	86	58-124	1	20	ug/L	07.02.15 20:07	
1,2-Dichloroethane	<0.180	50.0	36.7	73	37.0	74	55-141	1	20	ug/L	07.02.15 20:07	
1,2-Dichloropropane	<0.150	50.0	53.5	107	53.3	107	78-121	0	20	ug/L	07.02.15 20:07	
1,3,5-Trimethylbenzene	2.71	50.0	43.7	82	43.2	81	53-129	1	20	ug/L	07.02.15 20:07	
1,3-Dichlorobenzene	<0.170	50.0	44.5	89	43.2	86	62-120	3	20	ug/L	07.02.15 20:07	
1,3-Dichloropropane	<0.190	50.0	48.2	96	47.1	94	66-123	2	20	ug/L	07.02.15 20:07	
1,4-Dichlorobenzene	<0.170	50.0	43.8	88	42.7	85	64-114	3	20	ug/L	07.02.15 20:07	
2,2-Dichloropropane	<0.210	50.0	35.7	71	34.4	69	40-159	4	20	ug/L	07.02.15 20:07	
2-Butanone (MEK)	<0.280	100	102	102	98.1	98	50-152	4	20	ug/L	07.02.15 20:07	
2-Chlorotoluene	<0.190	50.0	45.2	90	43.5	87	60-129	4	20	ug/L	07.02.15 20:07	
2-Hexanone	<0.320	100	106	106	108	108	55-136	2	20	ug/L	07.02.15 20:07	
4-Chlorotoluene	<0.130	50.0	38.1	76	41.8	84	64-124	9	20	ug/L	07.02.15 20:07	
4-Isopropyltoluene	<0.130	50.0	39.4	79	38.4	77	62-121	3	20	ug/L	07.02.15 20:07	
4-Methyl-2-pentanone (MIBK)	<0.260	100	107	107	110	110	65-132	3	20	ug/L	07.02.15 20:07	
Acetone	<0.350	100	47.6	48	41.6	42	40-140	13	20	ug/L	07.02.15 20:07	
Benzene	2.77	50.0	56.0	106	56.4	107	77-118	1	20	ug/L	07.02.15 20:07	
Bromobenzene	<0.210	50.0	46.8	94	44.8	90	66-121	4	20	ug/L	07.02.15 20:07	
Bromochloromethane	<0.200	50.0	51.2	102	49.4	99	64-130	4	20	ug/L	07.02.15 20:07	
Bromodichloromethane	<0.250	50.0	39.8	80	39.2	78	68-125	2	20	ug/L	07.02.15 20:07	
Bromoform	<0.170	50.0	33.4	67	33.4	67	53-112	0	20	ug/L	07.02.15 20:07	
Bromomethane	<0.250	50.0	22.1	44	22.7	45	63-137	3	20	ug/L	07.02.15 20:07	X
Carbon tetrachloride	<0.330	50.0	34.6	69	35.2	70	56-138	2	20	ug/L	07.02.15 20:07	
Chlorobenzene	<0.150	50.0	47.6	95	47.4	95	71-114	0	20	ug/L	07.02.15 20:07	
Chlorodibromomethane	<0.150	50.0	36.1	72	36.8	74	53-125	2	20	ug/L	07.02.15 20:07	
Chloroethane	<0.260	50.0	21.7	43	22.1	44	60-137	2	20	ug/L	07.02.15 20:07	X
Chloroform	<0.160	50.0	41.4	83	41.7	83	65-131	1	20	ug/L	07.02.15 20:07	
Chloromethane	<0.250	50.0	20.7	41	22.1	44	48-151	7	20	ug/L	07.02.15 20:07	X
cis-1,2-Dichloroethene	<0.210	50.0	50.3	101	49.9	100	22-185	1	20	ug/L	07.02.15 20:07	
cis-1,3-Dichloropropene	<0.100	50.0	46.1	92	46.0	92	67-113	0	20	ug/L	07.02.15 20:07	
Dichlorodifluoromethane	<0.220	50.0	15.4	31	15.3	31	38-145	1	20	ug/L	07.02.15 20:07	X
Ethanol	<8.00	2000	918	46	941	47	38-162	2	20	ug/L	07.02.15 20:07	
Ethylbenzene	1.26	50.0	48.3	94	47.6	93	66-127	1	20	ug/L	07.02.15 20:07	
Isopropyl ether	<0.0800	50.0	43.6	87	43.7	87	59-148	0	20	ug/L	07.02.15 20:07	
Isopropylbenzene	<0.150	50.0	45.9	92	44.7	89	58-127	3	20	ug/L	07.02.15 20:07	
m,p-Xylenes	12.2	100	110	98	109	97	65-126	1	20	ug/L	07.02.15 20:07	
Methyl tert-butyl ether	<0.180	100	52.0	52	67.2	67	58-141	26	20	ug/L	07.02.15 20:07	XF
Methylene chloride	<0.420	50.0	23.5	47	34.2	68	63-150	37	20	ug/L	07.02.15 20:07	XF
Naphthalene	<0.220	50.0	48.4	97	48.9	98	30-148	1	20	ug/L	07.02.15 20:07	
n-Butylbenzene	<0.170	50.0	41.6	83	41.0	82	63-122	1	20	ug/L	07.02.15 20:07	
n-Propylbenzene	<0.180	50.0	46.4	93	45.2	90	64-127	3	20	ug/L	07.02.15 20:07	
o-Xylene	12.0	50.0	63.5	103	63.2	102	64-123	0	20	ug/L	07.02.15 20:07	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	42.6	85	41.2	82	59-124	3	20	ug/L	07.02.15 20:07	
Styrene	<0.180	50.0	45.4	91	46.5	93	50-133	2	20	ug/L	07.02.15 20:07	
tert-Butylbenzene	<0.180	50.0	40.9	82	40.0	80	58-125	2	20	ug/L	07.02.15 20:07	
Tetrachloroethene	<0.160	50.0	45.5	91	43.0	86	52-125	6	20	ug/L	07.02.15 20:07	
Toluene	15.2	50.0	65.7	101	65.3	100	65-123	1	20	ug/L	07.02.15 20:07	
trans-1,2-Dichloroethene	<0.210	50.0	25.9	52	37.1	74	65-135	36	20	ug/L	07.02.15 20:07	XF
trans-1,3-Dichloropropene	<0.110	50.0	40.7	81	43.1	86	50-125	6	20	ug/L	07.02.15 20:07	
Trichloroethene	<0.190	50.0	46.3	93	47.3	95	65-125	2	20	ug/L	07.02.15 20:07	
Trichlorofluoromethane	<0.530	50.0	24.7	49	23.7	47	51-145	4	20	ug/L	07.02.15 20:07	X
Vinyl acetate	<0.720	50.0	36.1	72	35.8	72	49-135	1	20	ug/L	07.02.15 20:07	
Vinyl chloride	<0.190	50.0	20.2	40	18.9	38	52-140	7	20	ug/L	07.02.15 20:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	72		72		53-159	%	07.02.15 20:07
4-Bromofluorobenzene	102		100		30-186	%	07.02.15 20:07
Toluene-D8	96		99		70-130	%	07.02.15 20:07

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694608-1-BLK** Matrix: SOLID

Lab Sample Id: **694608-1-BLK**

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015C** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.01.15 10:15

Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	U	8.33	2.56	mg/kg	07.02.15 12:54	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694652-1-BLK** Matrix: SOLID

Lab Sample Id: **694652-1-BLK**

Analytical Method: **TPH-Gasoline Range Organics by SW-846 8015C** Prep Method: SW5030B

Tech: ZHO

Analyst: ZHO Date Prep: 07.01.15 18:28

Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	U	0.050	0.029	mg/kg	07.01.15 20:07	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.01.15 17:40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.01.15 17:40	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.01.15 17:40	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.01.15 17:40	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.01.15 17:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.01.15 17:40	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.01.15 17:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.01.15 17:40	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.01.15 17:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.01.15 17:40	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.01.15 17:40	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.01.15 17:40	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.01.15 17:40	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.01.15 17:40	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.01.15 17:40	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.01.15 17:40	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.01.15 17:40	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.01.15 17:40	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.01.15 17:40	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.01.15 17:40	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.01.15 17:40	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.01.15 17:40	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.01.15 17:40	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.01.15 17:40	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.01.15 17:40	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.01.15 17:40	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.01.15 17:40	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.01.15 17:40	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.01.15 17:40	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.01.15 17:40	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.01.15 17:40	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.01.15 17:40	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.01.15 17:40	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.01.15 17:40	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.01.15 17:40	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694710-1-BLK** Matrix: SOLID

Lab Sample Id: **694710-1-BLK**

Analytical Method: **MADEP EPH** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.03.15 07:30

Seq Number: 971710

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	U	20.0	20.0	mg/kg	07.06.15 17:41	U	1
C9-C18 Aliphatics	ALHYDRC9C1	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1
C19-C36 Aliphatics	ALHYDRC19C	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694721-1-BLK** Matrix: SOLID

Lab Sample Id: **694721-1-BLK**

Analytical Method: **MADEP VPH**

Tech: ZHO

Analyst: ZHO

Seq Number: 971609

Prep Method: SW5030B

Date Prep: 07.02.15 12:07

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C12 Aliphatics	ALHYDRC9C1	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C10 Aromatics	HYDC9C10	U	0.0000500	0.0000500	mg/kg	07.02.15 14:20	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.03.15 14:11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.03.15 14:11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.03.15 14:11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.03.15 14:11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.03.15 14:11	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.03.15 14:11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.03.15 14:11	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.03.15 14:11	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.03.15 14:11	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.03.15 14:11	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.03.15 14:11	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.03.15 14:11	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.03.15 14:11	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.03.15 14:11	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.03.15 14:11	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.03.15 14:11	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.03.15 14:11	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.03.15 14:11	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.03.15 14:11	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.03.15 14:11	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.03.15 14:11	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.03.15 14:11	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.03.15 14:11	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.03.15 14:11	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.03.15 14:11	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.03.15 14:11	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.03.15 14:11	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.03.15 14:11	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.03.15 14:11	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.03.15 14:11	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.03.15 14:11	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.03.15 14:11	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.03.15 14:11	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.03.15 14:11	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.03.15 14:11	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12:03	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12:03	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12:03	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12:03	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12:03	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12:03	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12:03	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12:03	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12:03	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12:03	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12:03	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12:03	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12:03	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12:03	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	07.07.15 12:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	07.07.15 12:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	07.07.15 12:40	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	07.07.15 12:40	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	07.07.15 12:40	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	07.07.15 12:40	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	07.07.15 12:40	U	1
2-methylphenol	95-48-7	U	0.667	0.0467	mg/kg	07.07.15 12:40	U	1
2-Nitroaniline	88-74-4	U	0.333	0.0447	mg/kg	07.07.15 12:40	U	1
2-Nitrophenol	88-75-5	U	0.667	0.0420	mg/kg	07.07.15 12:40	U	1
3&4-Methylphenol	15831-10-4	U	1.67	0.0987	mg/kg	07.07.15 12:40	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	07.07.15 12:40	U	1
3-Nitroaniline	99-09-2	U	0.333	0.0460	mg/kg	07.07.15 12:40	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	07.07.15 12:40	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.167	0.0567	mg/kg	07.07.15 12:40	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
4-Chlorophenyl-phenyl ether	7005-72-3	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1
4-Nitroaniline	100-01-6	U	0.667	0.0507	mg/kg	07.07.15 12:40	U	1
4-Nitrophenol	100-02-7	U	0.667	0.0410	mg/kg	07.07.15 12:40	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3	U	0.333	0.0367	mg/kg	07.07.15 12:40	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	07.07.15 12:40	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	07.07.15 12:40	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	07.07.15 12:40	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	07.07.15 12:40	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Benzoic Acid	65-85-0	U	0.667	0.0527	mg/kg	07.07.15 12:40	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.333	0.0500	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.167	0.0473	mg/kg	07.07.15 12:40	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	07.07.15 12:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	07.07.15 12:40	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	07.07.15 12:40	U	1
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	07.07.15 12:40	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	07.07.15 12:40	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	07.07.15 12:40	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	07.07.15 12:40	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	07.07.15 12:40	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	07.07.15 12:40	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	07.07.15 12:40	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	07.07.15 12:40	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	07.07.15 12:40	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	07.07.15 12:40	U	1
Pentachlorophenol	87-86-5	U	0.667	0.0603	mg/kg	07.07.15 12:40	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Pyridine	110-86-1	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: **Terraquest Environmental Consultants, P.C.**	Receiver's Initials/Temp: JC / 1.4°C 510685
Address: **100 E. Ruffin Street, Mebane, NC 27302**	Custody Seal(s): ___ Y N Lab Work Order #
Results Sent to: Jonathan R. Grubbs	P.O.# (if required): 04615
Email address: jrgrubbs@terraquestpc.com	Field Comments / Lab Precautions:
Contact Phone #: 919-563-9091 Cell#: 919-906-0707	
Project Name (Site): 124 Estes Dr. Carrboro NC	**Analysis Requested**
Project Number (ID): 04615	Container Type: VC GA VC GA VC GA
Regulatory Program: NCDWM-UST	Chemical Preservation Code: 7 3 7 3 7
Sampler(s): (signature) Jonathan R Grubbs	Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	TPH 8015	TPH 3550	8260	8270 BNA	VPH	EPH
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3	X	X				
2	SW1 (6-7)	6-7	6/29/15 1107	S		X	6			X	X	X	X
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6			X	X	X	X
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6			X	X	X	X
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6			X	X	X	X
6	B2 B1 (12.0)	12.0	6/29/15 1500	S		X	6			X	X	X	X
7	Trip Blank	—		DW			1						
8													
9													
10													

1) Relinquished By: Jonathan R. Grubbs	Date / Time 6/30/15 1310	2) Received By:	Date / Time 07/01/15 10:01
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

Z 237 599 869

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

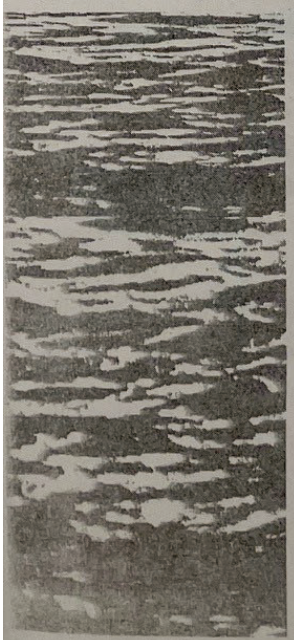
DIVISION OF WATER QUALITY
GROUNDWATER SECTION
December 10, 1999

L
T REQUESTED



Ms. Kathleen Robertson and Ms. Mary Glenn
124 Estes Drive Extension
Carrboro, North Carolina 27510

Subject: Revision of Notice of Violation and
Response to Soil Excavation Report
Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, Orange County
Incident Number Unassigned, Site Rank: 25E



Dear Ms. Robertson and Ms. Glen:

On September 30, 1999, the Division of Water Quality (Division) sent you a Notice of Violation (NOV) of groundwater quality standards for 100 parts per million (ppm) C19-C36 aliphatics found in the groundwater in MW-1 at the site referenced above. However, on October 22, 1999, the Division received a letter from Michelle McGinnis with SEI Environmental, Inc. indicating that Environmental Conservation Laboratories had reported the wrong units and that the MW-1 groundwater actually contained 100 parts per billion (ppb) C19-C36 aliphatics. Therefore, please

disregard the previous NOV as there is no evidence at this time of a violation of the North Carolina Groundwater Standards. Please note, however, that the presence of petroleum in the soil and in proximity to the groundwater constitutes a violation of GS 143-215.83 and 15A NCAC 2L .0106(b). A Comprehensive Site Assessment and Corrective Action Plan are not required at this time.

A review of a Soil Excavation Report received on October 5, 1999 does show evidence of residual soil contamination at the site. Up to 1,300 ppm of total petroleum hydrocarbons as diesel remain in the soil after the excavation conducted on September 21, 1999. Although the 100 ppb of C19-C36 aliphatics is below the Groundwater Standards, their presence in the Groundwater may indicate that a release from the soil at the site may be occurring or has occurred. Since the direction of Groundwater flow has not been established, higher concentrations of petroleum may be present down gradient from the site. For this reason, the site sensitivity evaluation (SSE) cannot be used to determine higher cleanup goals for the soil, and the site cannot be closed out.

Additional monitoring wells will need to be installed to determine the direction of groundwater flow and a groundwater sample will need to be obtained directly down gradient from the site. This sample must contain contaminants below the Groundwater Standards or a comprehensive site assessment will be required. The contaminated soil remaining in place will have to be removed and closure samples collected, or soil contaminant transport modeling will have to be conducted to show that the remaining soil contamination will not impact groundwater. Transport modeling would require that additional soil samples be collected to fully delineate the remaining soil contamination, to determine the maximum contamination concentration, and to determine the distance to groundwater from the base of soil contamination.

Please conduct the above requested drilling and sampling by February 28, 1999.

Should you have any questions, please contact Mr. Jim Roush or me at the Raleigh Regional Office at (919) 571-4700.

Sincerely,

S. Jay Zimmerman, L.G.
Environmental Regional Supervisor
Raleigh Regional Office

SJZ:JMR:jmr

cc: Michelle McGinnis, SEI Environmental, Inc., 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Orange County Health Department

SEI
Environmental, Inc.

130 Penmarc Drive
Suite 108
Raleigh, NC 27603-2470
800.474.7049
919.832.2535
Fax 832.5914

October 22, 1999

RECEIVED
OCT 22 1999
DENR RALEIGH
REGIONAL OFFICE

Mr. Jim Roush
NC Department of Environment and Natural Resources
Division of Water Quality, Groundwater Section
3800 Barrett Drive
Raleigh, North Carolina 27609

RE: Notice of Violation
Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 599243

Dear Mr. Roush:

Upon receipt of the Notice of Violation (NOV) dated September 30, 1999, a review of the Comprehensive Site Assessment (CSA) for the above referenced site was conducted by our office. Environmental Conservation Laboratories (ENCO) was contacted on October 18, 1999 to question the results of the EPH data, noting that no constituents were detected in the EPA Method 625 results. Upon review of the project by ENCO, it was discovered that the results had been reported with the wrong units. The result for EPH C19-C39 Aliphatics was incorrectly reported as 100 mg/L (100,000 ug/L) rather than 100 ug/L. A revised copy of the laboratory report is attached, along with a corrected Table 2 for the CSA.

Based on this information, the NOV is not applicable, and additional monitoring wells will not be installed. Additionally, approximately 830 tons of soil have been excavated and transported off site for disposal, as reported in the Soil Excavation Report dated September 30, 1999. Analytical results indicate that no soil remains on site at concentrations above the Site Sensitivity Final Cleanup Levels, therefore the site is eligible for closure.

Please contact me at (919) 832-2535 if you have any questions or comments.

Sincerely,
SEI Environmental, Inc.

Michelle McGinnis
Operations Manager

cc: Mr. John Hartley

Groundwater and Soil Assessment Report

Site Location:
Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
Orange County

Prepared for:
Mr. John Hartley
Hartley Construction
302 West Weaver Street, Suite G
Carrboro, North Carolina 27510

Site Owners:
Kathleen Robertson and Mary Glenn
124 Estes Drive Ext.
Carrboro, North Carolina 27510

Project Number: 500290
Incident Number: 20705
Site Rank: 25E

General Site Information:
Risk Assessment – No receptors within 1,500 feet
Surrounding Land Use – Residential and Commercial
Latitude/Longitude - N 35° 54' 57" / W 79° 4' 15"
Release Date – July 22, 1996
Estimated Quantity - Unknown
Cause of Release – Aboveground Storage Tank System

Prepared by:

NORTH CAROLINA LICENSED SEAL 1338 GEOLOGIST MICHAEL DAVID SHAW

Michael D. Shaw, P.G.
NC Licensed Geologist #1338
SPATCO Engineering and
Geological Services, P.C.
5100 N. I-85 Service Road, Suite 7A
Charlotte, North Carolina 28206

March 30, 2000

1.0 INTRODUCTION AND SITE HISTORY

The Glenn Oil Bulk Fuel Facility was a bulk fuel facility with six heating oil aboveground storage tanks (ASTs). Figure 1 is an excerpt from a United States Geological Survey (USGS) 7.5 minute topographical quadrangle map identifying the location of the site. The site is currently abandoned and has been for approximately twenty years.

On July 22, 1996, Environmental Aspecs, Inc. of North Carolina (EAI) utilized a hand auger at the site to advance six soil borings. The purpose of these samples was to characterize any contaminated soil. Further assessments were conducted by SEI Environmental, Inc. (SEI) on April 8, 1998, and May 20, 1998, when a Geoprobe and hand auger were used to collect soil samples in order to delineate petroleum contaminated soil. One groundwater monitoring well (MW-1) was installed on May 20, 1998, to determine depth to groundwater and whether groundwater had been contaminated. No petroleum constituents were detected in the groundwater at levels above the 15A NCAC 2L standards. These activities, along with soil and groundwater analytical results, are summarized in the Comprehensive Site Assessment (CSA) Report submitted by SEI on June 22, 1998. According to the CSA, no potential receptors are located within a 1,500-foot radius of the site. Verbal and written notifications of a petroleum release were provided to the Division of Water Quality (DWQ) Groundwater Section on May 29, 1998.

The ASTs were removed and transported off-site in the summer of 1999. On August 3 and 4, 1999, and September 21, 1999, SEI mobilized to the site to excavate the contaminated soil around the former ASTs. The purpose of the excavation was to remove petroleum contaminated soil in an area which is proposed to become an apartment complex. A total of 828.93 tons of soil were excavated and transported off site by Earthtec Environmental of Ohio, Inc. for proper treatment and disposal at their facility in Bear Creek, North Carolina. These activities are summarized in a Soil Excavation Report submitted by SPATCO Engineering and Geological Services, P.C. (SPATCO) on September 30, 1999. During the soil excavation activities, groundwater monitoring well MW-1 was destroyed.

Three of the confirmatory soil samples (S-8, S-19, and S-21) collected during soil excavation activities contained concentrations of total petroleum hydrocarbons (TPH) as diesel above the NCDWQ reportable concentration of 40 milligrams per kilogram (mg/kg). Therefore, as per the discussions on January 12, 2000, between Mr. Jay Zimmerman and Mr. Jim Roush of the NCDWQ, Mr. John Hartley, and SEI and SPATCO personnel regarding the Revised Notice of Violation dated December 10, 1999, three soil borings were advanced at the locations of these three samples for further analysis. Two additional groundwater monitoring wells were also installed to further assess groundwater quality at the site. This report summarizes these activities.

2.0 SITE GEOLOGY AND SOIL SAMPLING

The site is located in the Carolina Slate Belt, according to the 1985 Geological Map of North Carolina. Bedrock consists of metamorphosed granitic rock of late Proterozoic to late Cambrian age, and is megacrystic, well foliated and locally contains hornblende.

On February 23, 2000, two soil borings (MW-2 and MW-3) were advanced using an air hammer drill rig to a depth of 40 feet below land surface (bls) and 35 feet bls, respectively. On February 25, 2000, three soil borings (CB-2 at the location of S-21, CB-3 at the location of S-19, and CB-4 at the location of S-8) were advanced using a hollow stem auger drill rig to the point of auger refusal, CB-2 and CB-3 to a total depth of 9 feet bls and CB-4 to a depth of 8 feet bls. During boring activities on February 25, 2000, soil samples were collected using a properly decontaminated split spoon sampler, from a depth of 7-9 feet bls in CB-2 and CB-3 and a depth of 6-8 feet bls in CB-4. The soil encountered while performing the soil borings was primarily red silty clay and brown to gray fine sand. The soil boring locations are shown on Figure 2. Soil Boring Logs are included in Appendix A.

The soil samples were divided into two representative portions. One portion was placed in a polyethylene bag for a minimum of five minutes to allow any petroleum hydrocarbons to volatilize. An organic vapor analyzer (OVA) was used to screen the head space of the bagged sample for volatile hydrocarbons. The second portion of each sample was placed into laboratory

supplied, cleaned containers, sealed with a Teflon lined cap, placed in an iced cooler, and maintained at 4°C. Three samples (CB-2 (7-9'), CB-3 (7-9'), and CB-4 (6-8')) from the February 25, 2000, sampling event were submitted under chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for laboratory analysis. The soil samples were analyzed by EPA methods 8260 and 8270.

3.0 MONITORING WELL CONSTRUCTION

On February 23, 2000, soil borings MW-2 and MW-3 were completed as type II groundwater monitoring wells to a depth of 40 feet bls and 35 feet bls, respectively. Monitoring well MW-2 was completed with fifteen feet of 2 inch Schedule 40 PVC casing and twenty-five feet of 0.010 inch slot PVC screen. Monitoring well MW-3 was completed with fifteen feet of 2 inch Schedule 40 PVC casing and twenty feet of 0.010 inch slot PVC screen. The locations of the monitoring wells are noted on Figure 2.

The annulus of each well was filled with a sand filter pack to two feet above the top of the screened interval. A four foot thick bentonite seal was placed above the sand filter pack and hydrated with water. The remaining well bore was filled with grout to the surface. Each well was completed flush to grade with a locking cap, watertight seal, and a bolt-down manhole. Soil Boring Logs and Well Construction Records are presented in Appendix A.

4.0 GROUNDWATER SAMPLING

Prior to sampling on February 24 and March 13, 2000, each well was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not encountered in the monitoring wells. Monitoring well construction and groundwater depth data are included in Table 3.

The monitoring wells were purged prior to sampling by removing a minimum of three well volumes of water with a new, disposable Teflon® bailer. A groundwater sample was collected after

each well was allowed to recover. Each sample was collected using a new, disposable Teflon® bailer and placed in laboratory supplied, clean containers. The samples were maintained at 4°C and submitted under proper chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for analysis. The groundwater samples collected on February 24, 2000, were analyzed by EPA methods 602 and 625 (BNA and TIC) and MADEP methods VPH and EPH. The groundwater samples collected on March 13, 2000, were analyzed by MADEP method EPH.

5.0 SAMPLING RESULTS

5.1 Soil Analytical Results

Three samples (CB-2 (7-9'), CB-3 (7-9'), and CB-4 (6-8')) from the February 25, 2000, sampling event were submitted for laboratory analysis by EPA methods 8260 and 8270. No petroleum constituents were detected in the soil samples above laboratory detection limits. As a result, no soil remediation/excavation is required, per the meeting with the NCDWQ on January 12, 2000.

A summary of the soil sample analytical results is included in Table 1, and a copy of the laboratory report and chain-of-custody form is included in Appendix B. Figure 3 is a site map showing the soil sample locations from the February 25, 2000, sampling event with reference to the soil samples collected during the soil excavation activities.

5.2 Groundwater Analytical Results

The groundwater samples collected on February 24, 2000, were analyzed by EPA methods 602 and 625 (BNA and TIC) and MADEP methods VPH and EPH. The groundwater samples collected on March 13, 2000, were analyzed by MADEP method EPH.

Results from the February 24, 2000, sampling event indicated that aromatics in the C11-C22 range were detected at concentrations slightly above the 15A NCAC 2L standard of 210 micrograms per liter (µg/L) in both of the monitoring wells sampled (MW-2 at 360 µg/L and

MW-3 at 280 µg/L). Toluene (1.0 µg/L) and xylenes (1.3 µg/L) were detected at concentrations well below their 15A NCAC 2L standards in monitoring well MW-2. Due to the very low concentrations of C11-C22 range aromatics, both monitoring wells were resampled by MADEP method EPH on March 13, 2000. All carbon range fractions reported by MADEP method EPH were below the 12A NCAC 2L standards in both monitoring wells. These results are most likely due to normal variances in the contaminant concentrations in the groundwater.

The groundwater sample laboratory results are summarized in Table 2, and a copy of the laboratory reports and chain-of-custody forms is included in Appendix B. Figure 2 is a site map showing the monitoring well locations.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Laboratory results indicate that no compounds reported by EPA methods 8260 and 8270 are present in the soil at any of the three locations where the TPH as diesel was greater that 40 mg/kg. As a result, no further soil remediation/excavation is required per the meeting with the NCDWQ on January 12, 2000.

No compound specific petroleum constituents were detected in the groundwater monitoring wells at concentrations above the 15A NCAC 2L standards. However, aromatics in the C11-C22 range were detected at concentrations slightly above the 15A NCAC 2L standard in both monitoring wells sampled on February 24, 2000. However, all carbon range fractions reported by MADEP method EPH were below the 12A NCAC 2L standards in both monitoring wells when resampled on March 13, 2000.

Based on the absence of potential receptors in the area surrounding the site, the absence of petroleum constituents in the soil samples, and the low concentrations of EPH range data for the groundwater, SPATCO Engineering and Geological Services, P.C. recommends a "No Further Action" status be granted to the site.

TABLE 1

Soil Sample Field Screening and Analytical Results

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Sample Location	Sample Depth (feet)	Date Sampled	OVA (ppm)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)
CB-2	7-9	02/25/00	0	BDL	BDL	BDL	BDL	BDL
CB-3	7-9	02/25/00	0	BDL	BDL	BDL	BDL	BDL
CB-4	6-8	02/25/00	1	BDL	BDL	BDL	BDL	BDL
NCDWQ Maximum Concentrations (Soil-to-Groundwater)				**5.6**	**7,000**	**240**	**5,000**	**920**

ppm – parts per million
µg/kg - micrograms per kilogram
BDL – Below detection limits
Bold denotes concentrations above the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCC)

TABLE 2

Groundwater Analytical Results

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Sample Location	Sample Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C18 Aliphatics (µg/L)	C19-C36 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	C11-C22 Aromatics (µg/L)
MW-2	02/24/00	BDL	BDL	1.0	1.3	BDL	BDL	BDL	BDL	BDL	**360**
	03/13/00	NA	NA	NA	NA	NA	NA	110	150	NA	BDL
MW-3	02/24/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**280**
	03/13/00	NA	NA	NA	NA	NA	NA	200	330	NA	190
2L Standards		**1**	**29**	**1,000**	**530**	**420**	**4,200**		**42,000**	**210**	

BDL = below detection limit
µg/L = micrograms per liter
NA = not analyzed
BOLD denotes concentrations above the 15A NCAC 2L standard

TABLE 3

Monitoring Well Construction and Groundwater Depth Data

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Date Gauged	Depth to Groundwater (feet)
MW-2	02/23/00	40	15-40	02/24/00	26.52
				03/13/00	24.69
MW-3	02/23/00	35	15-35	02/24/00	29.00
				03/13/00	28.28



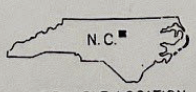
SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET



QUADRANGLE LOCATION

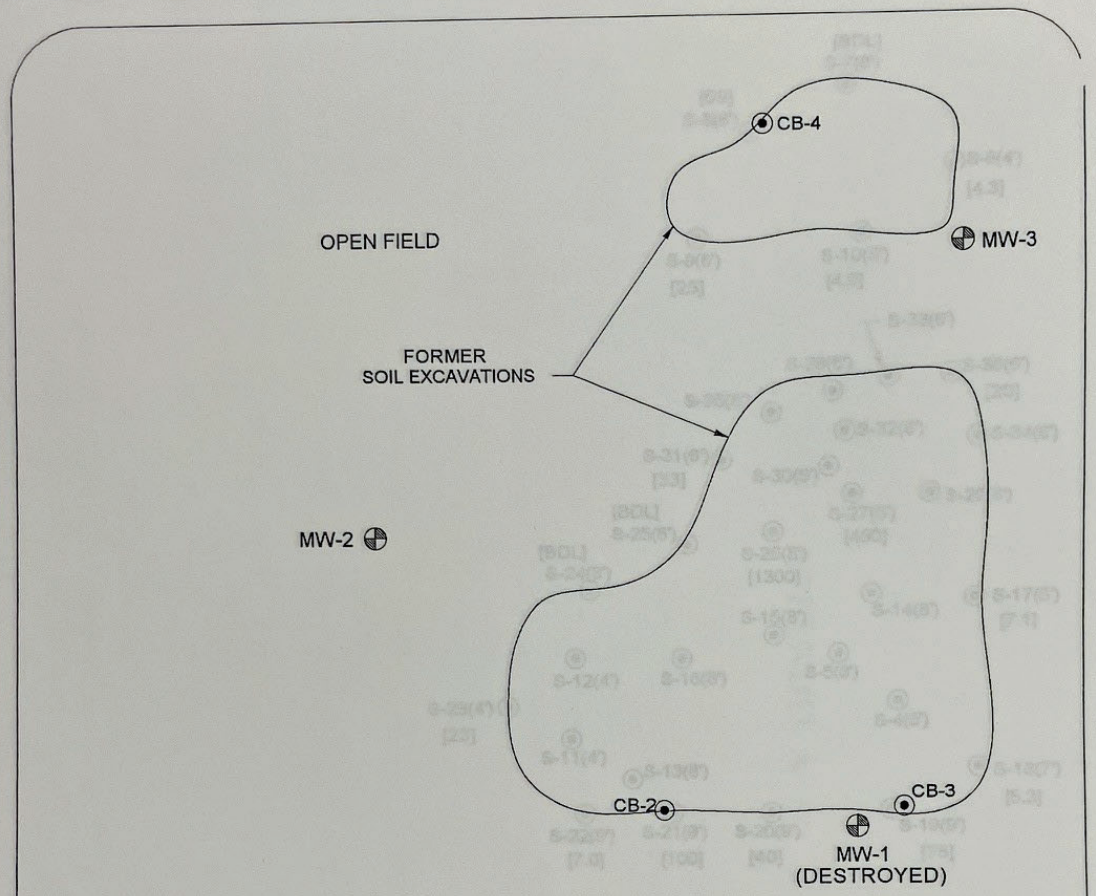


CHAPEL HILL, N. C.
N3552.5—W7900/7.5

1978
PHOTOREVISED 1981
DMA 5155 I NE—SERIES V842

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: USGS QUADRANGLE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY STREET
CARRBORO, NORTH CAROLINA

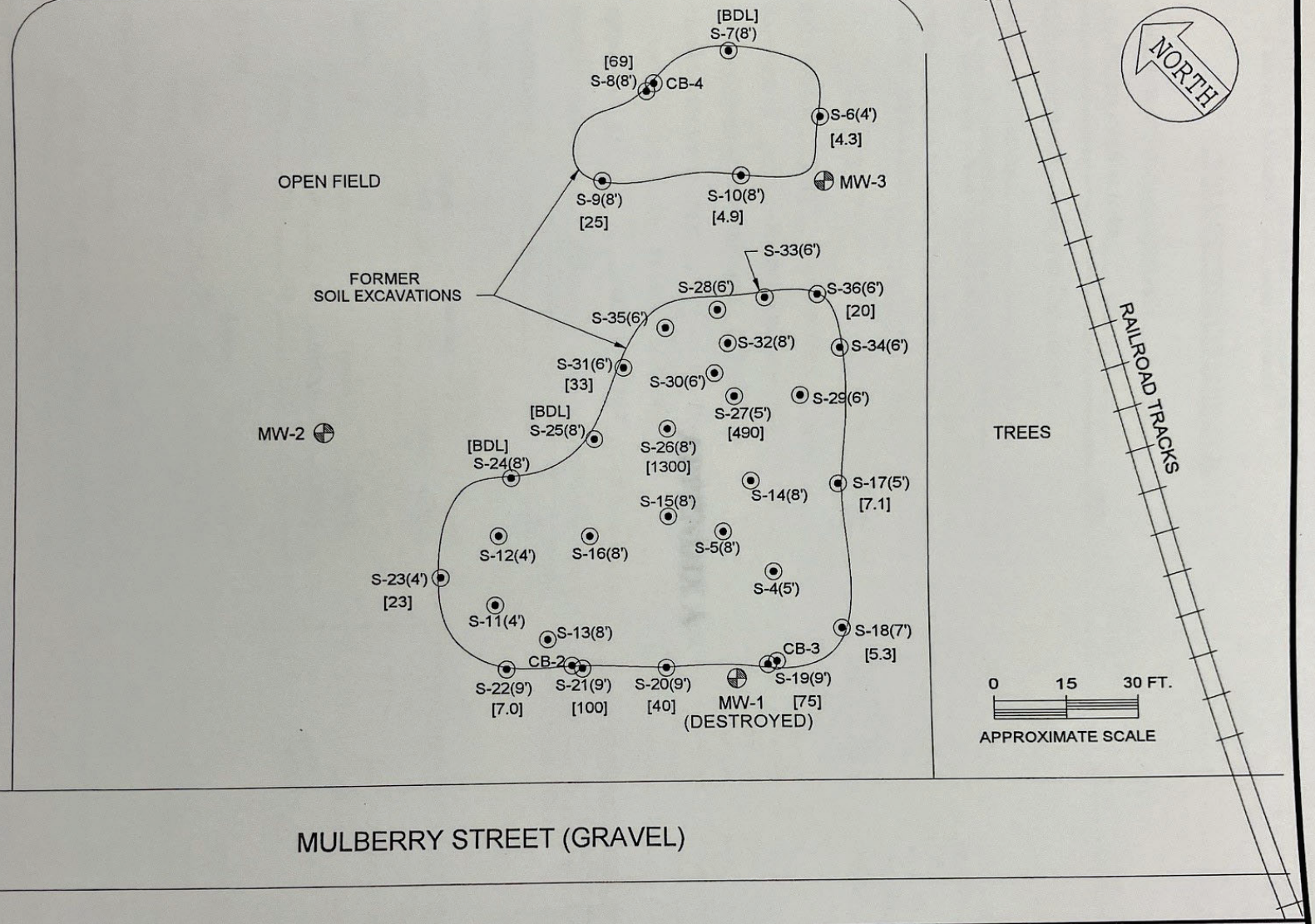


SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 2: SITE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ



LEGEND:

- MONITORING WELL
- SOIL SAMPLE LOCATION
- [XXX] TPH AS DIESEL CONCENTRATION (mg/kg) - METHOD 3550
- BDL = BELOW DETECTION LIMITS

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 3: SOIL SAMPLE LOCATIONS
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85
Suite 7A
Charlotte, NC 28206
704.597.4022

June 8, 2000

Mr. Jay Zimmerman
NC Department of Environment and Natural Resources
Division of Water Quality, Groundwater Section
1628 Mail Service Center
3800 Barrett Drive
Raleigh, North Carolina 27699-1628

RE: Former Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
Incident Number 20705
SEI Project Number 500290

Dear Mr. Zimmerman:

In accordance with correspondence from your office dated May 23, 2000, SEI Environmental, Inc. personnel conducted a groundwater sampling event at the above referenced site. The details of that sampling event are summarized in this letter.

On May 25, 2000, SEI personnel mobilized to the site to collect groundwater samples from MW-2 and MW-3. Prior to sampling, each well was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not encountered in the monitoring wells. Monitoring well construction and groundwater depth data are included in Table 1. A site map showing the monitoring well locations is included as Attachment A.

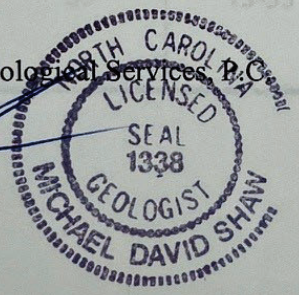
The monitoring wells were purged prior to sampling by removing a minimum of three well volumes of water with a centrifugal pump and new, disposable anhydrous ammonia sampling hose. A groundwater sample was collected after each well was allowed to recover. Each sample was collected using a new, disposable Teflon® bailer and placed in laboratory supplied, clean containers. The samples were maintained at 4°C and submitted under proper chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for analysis by EPA methods 602 with xylenes and 625 (BNA with TICs) and MADEP methods VPH and EPH.

No petroleum constituents were detected in the groundwater samples collected from either monitoring well MW-2 or MW-3 on May 25, 2000. One compound, caprolactam, was detected at an estimated concentration of 70.18 micrograms per liter (ug/L) in MW-3 and 7.73 ug/L in MW-2, well below the 15A NCAC 2L Standard of 3,500 ug/L. The source of the caprolactam is

suspected to be from the bailer twine used during monitoring well sampling. Additionally, an unknown compound was detected in MW-3 at an estimated concentration of 24.18 ug/L. The unknown compound was not able to be identified by the laboratory after a comparison to over 70,000 known compounds. Therefore, because the compound is unknown, the source of the compound can not be determined. The groundwater sample laboratory results are summarized in Table 2, and a copy of the laboratory reports and chain-of-custody forms is included in Attachment B.

Based on the groundwater results from the May 25, 2000, sampling event in which no violations of the 15A NCAC 2L standards were detected, SPATCO Engineering & Geological Services, P.C. requests that a no further action status be granted to the Former Glenn Oil Facility.

Sincerely,
SPATCO Engineering & Geological Services, P.C.



Michael D. Shaw. P.G.
NC License #1338

cc: Mr. John Hartley

TABLE 1

Monitoring Well Construction and Groundwater Depth Data

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Date Gauged	Depth to Groundwater (feet)
MW-2	02/23/00	40	15-40	02/24/00	26.52
				03/13/00	24.69
				05/25/00	26.61
MW-3	02/23/00	35	15-35	02/24/00	29.00
				03/13/00	28.28
				05/25/00	28.22

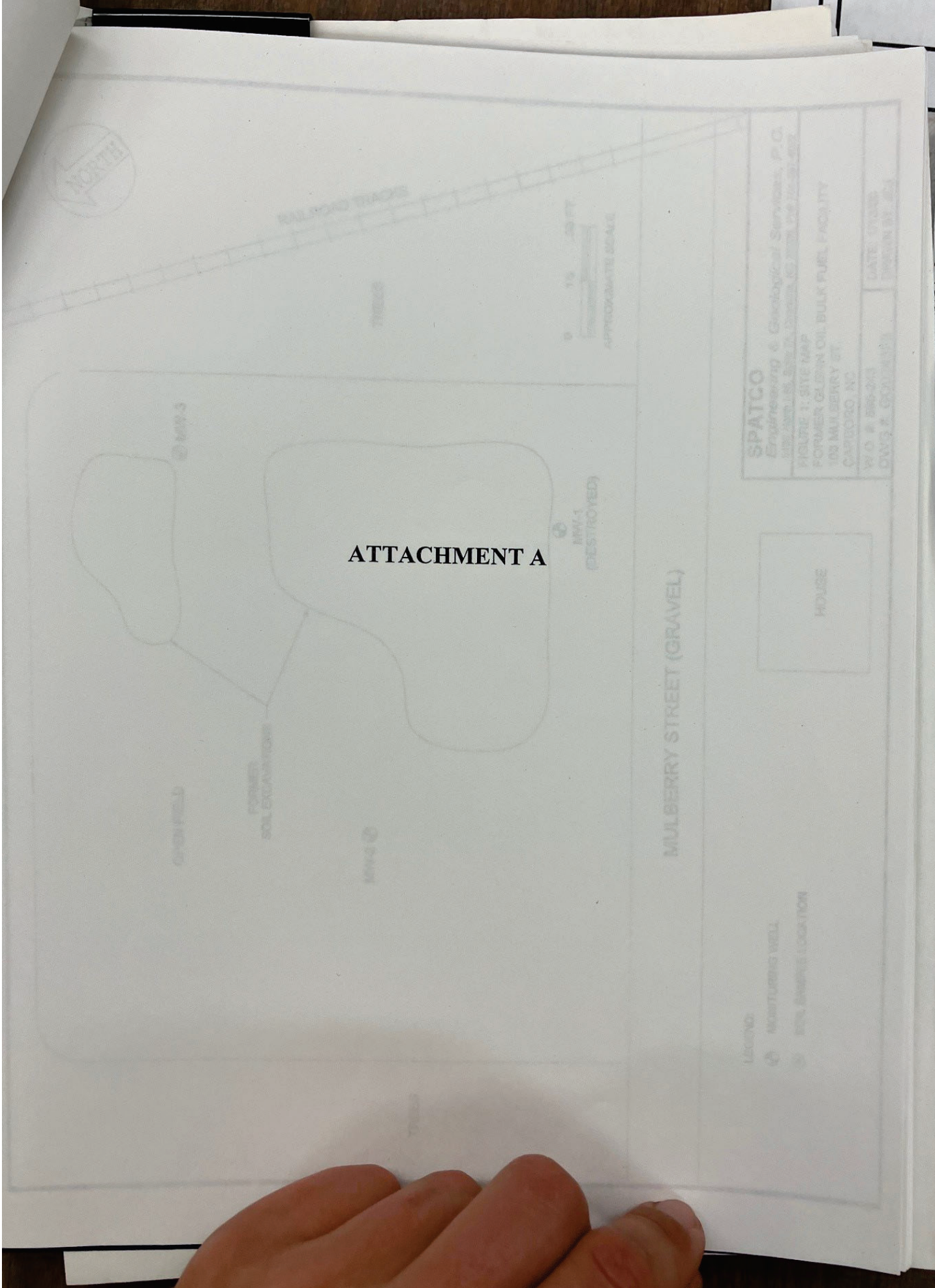
TABLE 2

Groundwater Analytical Results

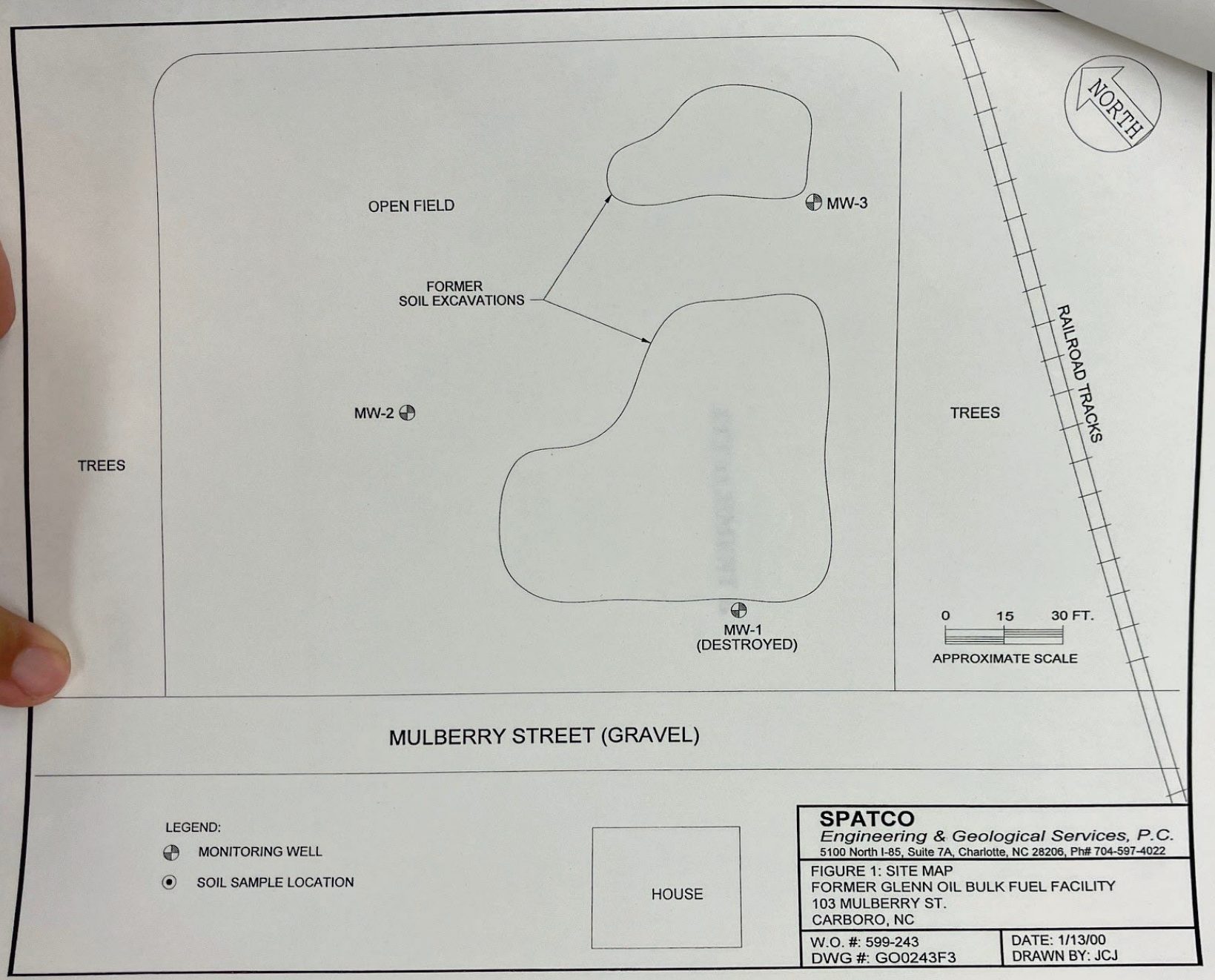
Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290
Date Sampled: May 25, 2000

Sample Location	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Capro-lactam (µg/L)	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C18 Aliphatics (µg/L)	C19-C36 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	C11-C22 Aromatics (µg/L)
MW-2	BDL	BDL	BDL	BDL	7.73	BDL	BDL	BDL	BDL	BDL	BDL
MW-3	BDL	BDL	BDK	BDL	70.18	BDL	BDL	BDL	BDL	BDL	BDL
2L Standard	**1**	**29**	**1,000**	**530**	**3,500**	**420**	**4,200**		**42,000**	**210**	

BDL = below detection limit
µg/L = micrograms per liter
BOLD denotes concentrations above the 15A NCAC 2L standard



ATTACHMENT A



SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: SITE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ

Item Box 4 of 7

vironmental Conservation Laboratories, Inc.
15 Passport Way
ary, North Carolina 27513
919 / 677-1669
Fax 919 / 677-9846
www.encolabs.com

ENCO Laboratories

CLIENT : SEI Environmental, Inc.
ADDRESS: 130 Penmarc Drive
Suite 108
Raleigh, NC 27603

REPORT # : CRY10105
DATE SUBMITTED: May 25, 2000
DATE REPORTED : June 2, 2000

ATTENTION: Ms. Michelle McGinnis

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

PROJECT #: 500290

Glenn Oil

05/25/00

#1 - MW#3 @ 11:30
#2 - MW#2 @ 13:15

Note: EPH analysis was performed by subcontract laboratory and is reported under a seperate cover.

PROJECT MANAGER Amy R. Harris

Amy R. Harris

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

EPA METHOD 602 - VOLATILE AROMATICS	MW#3	MW#2	Units
Benzene	1.0 U	1.0 U	µg/L
Toluene	1.0 U	1.0 U	µg/L
Chlorobenzene	1.0 U	1.0 U	µg/L
Ethylbenzene	1.0 U	1.0 U	µg/L
m-Xylene & p-Xylene	1.0 U	1.0 U	µg/L
o-Xylene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Bromofluorobenzene	123	103	59-132
Date Analyzed	05/26/00	05/27/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

EPA METHOD 625 - SEMIVOLATILE ORGANICS	MW#3	MW#2	Units
Acenaphthene	10 U	10 U	µg/L
Acenaphthylene	10 U	10 U	µg/L
Anthracene	10 U	10 U	µg/L
Benzidine	10 U	10 U	µg/L
Benzo(a)anthracene	10 U	10 U	µg/L
Benzo(b)fluoranthene	10 U	10 U	µg/L
Benzo(k)fluoranthene	10 U	10 U	µg/L
Benzo(g,h,i)perylene	10 U	10 U	µg/L
Benzo(a)pyrene	10 U	10 U	µg/L
Benzylbutyl phthalate	10 U	10 U	µg/L
Bis(2-chloroethoxy)methane	10 U	10 U	µg/L
Bis(2-chloroethyl)ether	10 U	10 U	µg/L
Bis(2-chloroisopropyl)ether	10 U	10 U	µg/L
Bis(2-ethylhexyl)phthalate	10 U	10 U	µg/L
4-Bromophenylphenyl ether	10 U	10 U	µg/L
2-Chloronaphthalene	10 U	10 U	µg/L
4-Chlorophenyl phenyl ether	10 U	10 U	µg/L
Chrysene	10 U	10 U	µg/L
Dibenzo(a,h)anthracene	10 U	10 U	µg/L
1,2-Dichlorobenzene	10 U	10 U	µg/L
1,3-Dichlorobenzene	10 U	10 U	µg/L
1,4-Dichlorobenzene	10 U	10 U	µg/L
3,3'-Dichlorobenzidine	20 U	20 U	µg/L
Diethyl phthalate	10 U	10 U	µg/L
Dimethyl phthalate	10 U	10 U	µg/L
Di-n-butyl phthalate	10 U	10 U	µg/L
Di-n-octyl phthalate	10 U	10 U	µg/L
2,4-Dinitrotoluene	10 U	10 U	µg/L
2,6-Dinitrotoluene	10 U	10 U	µg/L
Fluoranthene	10 U	10 U	µg/L
Fluorene	10 U	10 U	µg/L
Hexachlorobenzene	10 U	10 U	µg/L
Hexachlorobutadiene	10 U	10 U	µg/L
Hexachlorocyclopentadiene	10 U	10 U	µg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

A METHOD 625 (cont.) - MIVOLATILE ORGANICS	MW#3	MW#2	Units
xachloroethane	10 U	10 U	µg/L
ıdeno(1,2,3-cd)pyrene	10 U	10 U	µg/L
ɔophorone	10 U	10 U	µg/L
-Methylnaphthalene	10 U	10 U	µg/L
-Methylnaphthalene	10 U	10 U	µg/L
aphthalene	10 U	10 U	µg/L
itrobenzene	10 U	10 U	µg/L
-Nitrosodimethylamine	10 U	10 U	µg/L
-Nitrosodi-n-propylamine	10 U	10 U	µg/L
J-Nitrosodiphenylamine	10 U	10 U	µg/L
Phenanthrene	10 U	10 U	µg/L
Pyrene	10 U	10 U	µg/L
1,2,4-Trichlorobenzene	10 U	10 U	µg/L
4-Chloro-3-methylphenol	10 U	10 U	µg/L
2-Chlorophenol	10 U	10 U	µg/L
2,4-Dichlorophenol	10 U	10 U	µg/L
2,4-Dimethylphenol	50 U	50 U	µg/L
2,4-Dinitrophenol	30 U	30 U	µg/L
2-Methyl-4,6-dinitrophenol	10 U	10 U	µg/L
2-Nitrophenol	10 U	10 U	µg/L
4-Nitrophenol	10 U	10 U	µg/L
Pentachlorophenol	10 U	10 U	µg/L
Phenol	10 U	10 U	µg/L
2,4,6-Trichlorophenol			
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Nitrobenzene -D5	65	62	30-106
2-Fluorobiphenyl	89	73	38-107
Terphenyl -D14	127	102	29-131
Phenol -D5	46	41	12-87
2-Fluorophenol	53	45	19-115
2,4,6-Tribromophenol	103	92	43-126
Date Extracted	05/30/00	05/30/00	
Date Analyzed	05/31/00	05/31/00	

U = Compound was analyzed for but not detected to the level shown.

TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 625
Sample: MW-3

#	CAS #	Compound Name	Est. Conc.(µg/L)
01	000105-60-2	Caprolactam	70.18
02	---	Unknown	24.18

EPA Method 625
Sample: MW-2

#	CAS #	Compound Name	Est. Conc.(µg/L)
01	000105-60-2	Caprolactam	7.73

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

MASS METHOD VPH - Vol. Petr. Hydrocarbons	MW#3	MW#2	Units
C5-C8 Aliphatics	40 U	40 U	µg/L
C9-C12 Aliphatics	20 U	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	76	93	70-130
Date Analyzed	05/26/00	05/26/00	

MASS METHOD VPH - Vol. Petr. Hydrocarbons	MW#3	MW#2	Units
C9-C10 Aromatics	20 U	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	100	105	70-130
Date Analyzed	05/26/00	05/26/00	

U = Compound was analyzed for but not detected to the level shown.

TOXIKON CORPORATION
15 WIGGINS AVENUE
BEDFORD, MA 01730
TEL: (781) 275-3330

June 05, 2000

AMY HARRIS
ENCO
1015 PASSPORT WAY
CARY, NC 27513
TEL: (919) 677-1669
FAX (919) 677-9846

RE: CRY10105

Order No.: 0005546

Dear AMY HARRIS,

Toxikon received 2 samples on 5/26/00 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Paul Lezberg

Certifications: MA: MA 064, NH: 204099A and 204099B, ME: MA064, RI: 55, VT: MA064, TN: MA
NY: 10778, FL: E87143 and 87394, NC: 286, PA 68-461, CT: PH 0563, NJ: 59538, MD

Toxikon

Date: *05-Jun-00*

CLIENT:	ENCO
Project:	CRY10105
Lab Order:	0005546
Date Received:	5/26/00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0005546-01A	MW-3	5/25/00
0005546-02A	MW-2	5/25/00

Toxikon

CLIENT: ENCO
Project: CRY10105
Lab Order: 0005546

Date: 05-Jun-00

CASE NARRATIVE

North Carolina EPH/VPH Certification
Toxikon Work Order 0005546

VPH Soil Sample Collection Option _____
Option=1 Fill line on vial Option 2 = Sampling Device Option 3 = Field weight of soil

Were all QA/QC procedures REQUIRED by the VPH method followed? Yes ___ No ___
Were all QA/QC procedures REQUIRED by the EPH method followed? Yes ✓ No ___
Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes ✓ No ___

Details regarding any answer "No" above are provided below.

Were any significant modifications made to the EPH/VPH methods as specified in Section 11.3? Yes ___ No ✓

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report it, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: LAB MANAGER

Printed Name: PAUL LEBERG Date: 6/5/00

Date: 05-Jun-00

CLIENT: ENCO
Lab Order: 0005546
Project: CRY10105
Lab ID: 0005546-01A

Client Sample ID: MW-3
Collection Date: 5/25/00
Matrix: AQUEOUS

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
MA EPH		MAEPH				Analyst: YLK
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	6/4/00
C19-C36 Aliphatics	ND	100		µg/L	1	6/4/00
Unadjusted C11-C22 Aromatics	ND	100		µg/L	1	6/4/00
Surr: Aliphatic Surrogate COD	41.0	40-140		%REC	1	6/4/00
Surr: Aliphatic Fractionation SS	107.5	40-140		%REC	1	6/4/00
Surr: Aromatic Surrogate OTP	96.0	40-140		%REC	1	6/4/00
Surr: Aro Fractionation SS	101.0	40-140		%REC	1	6/4/00

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

...kon

Date: 05-Jun-00

CLIENT: ENCO
Lab Order: 0005546
Project: CRY10105
Lab ID: 0005546-02A

Client Sample ID: MW-2
Collection Date: 5/25/00
Matrix: AQUEOUS

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
MA EPH		MAEPH				Analyst: YLK
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	6/4/00
C19-C36 Aliphatics	ND	100		µg/L	1	6/4/00
Unadjusted C11-C22 Aromatics	ND	100		µg/L	1	6/4/00
Surr: Aliphatic Surrogate COD	69.0	40-140		%REC	1	6/4/00
Surr: Aliphatic Fractionation SS	99.5	40-140		%REC	1	6/4/00
Surr: Aromatic Surrogate OTP	93.0	40-140		%REC	1	6/4/00
Surr: Aro Fractionation SS	96.5	40-140		%REC	1	6/4/00

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

ENCO
4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210
10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945
1015 Pas...
Cary, North Carolina ...
Ph. (919) 677-1669 • Fax (919) 67...
ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PAGE | OF

PROJECT REFERENCE: CRY10105 | PROJECT NO. | P.O. NUMBER: CRY10105

PROJECT LOC. (State): NC | SAMPLER(s) NAME: Client | PHONE | FAX

CLIENT NAME | CLIENT PROJECT MANAGER: Amy Harris

CLIENT ADDRESS (CITY, STATE, ZIP): Cary, NC

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: 06/02/00

SAMPLE STATION	SAMPLE DATE	SAMPLE TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	REQUIRED ANALYSIS: EDB	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1	05/25				MW-3		X								1	pH 2	1	Please fax results
2	05/25				MW-2		X								1	pH 2	1	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

	DATE	TIME		DATE	TIME		DATE	TIME
SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO			RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)			RELINQUISHED BY: (SIGNATURE) Amy Harris	05/25	5:00
RECEIVED BY (SIGNATURE)			RELINQUISHED BY: (SIGNATURE) ~~USPS~~ Fedex	5/26/00	9AM	RECEIVED BY: (SIGNATURE) William G. McNamara	5/26/00	9AM

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☐ Jacksonville ☐ Orlando			☐ YES ☐ NO		Cooler Temp 4°C

NCDENR

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

HARTLEY JOHN
CONSTRUCTO
942-0077

Ms. Kath
124 Este
Carrbor

Subje r and Soil Assessment

lity

Site Rank: 20E

Dear Ms. Ro

The Groundwater Section e Division of Water Quality reviewed the Assessment Report for the above facility on May 3, 2000. The report was received on April 7, 2000.

The following information is required in order to close out Groundwater Incident 20705:

* Sample MW-2 and MW-3 and analyze using EPA methods 602 with xylenes and 625 with the ten largest non-target peaks (TICS), and MADEP methods VPH and EPH. If no compounds are detected above the North Carolina Groundwater Standards, and no TICS are identified, the Groundwater Section will consider closing this incident. Closure may also be considered if it can be shown that the TICS are naturally occurring or are the result of lab contamination.

NC SCHOOLS FIRST IN AMERICA 2010

MAILING ADDRESS: 1628 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1628
LOCATION: 3800 BARRETT DRIVE, SUITE 101, RALEIGH, NC 27609
PHONE 919-571-4700 FAX 919-571-4718
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

Please provide this additional information on or before July 23, 2000. If you have any questions, please contact me at (919) 571-4700.

Sincerely,

Jim Roush
Hydrogeologist
Raleigh Regional Office

cc: File / JMR
Michelle McGinnis, 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Mr. John Hartley, Hartley Construction, 302 West Weaver Street, Suite G, Carrboro, NC 27510

POLLUTION INCIDENT/U.S.T. LEAK REPORTING FORM

Department of Environment, Health, Natural Resources
Division of Environmental Management
GROUNDWATER SECTION

CLOSED OUT

Confirm. GW Contamination (Y/N) Y
Major Soil Contamination (Y/N) Y
Minor Soil Contaminatin (Y/N) ____

Incident # 20705

Date Incident Occurred or Leak Detected 6/1/98

INCIDENT DESCRIPTION

Incident Location/Name GLENN OIL BULK FUEL FACILITY

Address 103 MULBERRY ST.

City/Town CARRBORO | County ORANGE | Region RAL.

Briefly Describe Incident Site Assessment of area around six above ground storage tanks turned up up to 2400 ppm diesel range total petroleum hydrocarbons in the soil and up to 180,000 ppb C9 through C36 aliphatics in groundwater. Site has been out of operation for 20 years

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator Kathleen Robertson + Mary Glenn | Telephone 919-832-2535

Company ____ | Street Address 124 ESTES DRIVE EXT.

City CARRBORO | County ORANGE | State NC | Zip Code 27510

OWNERSHIP
0. N/A 1. Municipal 2. Military 3. Unknown (4.Private) 5.Federal 6. County 7. State

OPERATION TYPE
0. N/A 1. Public Service 2. Agricultrural 3. Residential 4. Educational/Relig. 5. Industrial (6. Commercial) 7. Mining

POLLUTANTS INVOLVED

CLOSED OUT

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
DIESEL	UNKNOWN	

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)
1. Intentional dump
2. Pit, pond, lagoon
3. Leak-underground
4. Spray irrigation
5. Land application
6. Animal feedlot
7. Source unknown
8. Septic tank
9. Sewer line
10. Stockpile
11. Landfill
(12.) Spill-surface
13. Well
14. Above-ground Storage Tank
15. Nonpoint source

PRIMARY POLLUTANT TYPE (Select one)
1. Pesticide/herbicide
2. Radioactive waste
3. Gasoline/diesel
(4.) Heating oil
5. Other petroleum prod.
6. Sewage/septage
7. Fertilizers
8. Sludge
9. Solid waste leachate
10. Metals
11. Other inorganics
12. Other organics

LOCATION
(1.) Facility
2. Railroad
3. Waterway
4. Pipeline
5. Dumpsite
6. Highway
7. Residence
8. Other

SETTING
(1.) Residential
2. Industrial
3. Urban
4. Rural

Site Priority Ranking 25E

D.E.M. Regional Contact JIM ROUSH | Signature [signature] | Date 9/24/99

GW-61 Revised 2/95

CONSUMER PAPER

NCDENR

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

DIVISION OF WATER QUALITY
GROUNDWATER SECTION
June 28, 2000

Ms. Kathleen G. Robertson
124 Estes Drive Extension
Carrboro, NC 27510

Review of the Former Glen Oil Bulk
Fuel Facility Site
103 Mulberry Street
Carrboro, Orange County
Incident Number 20705, Site Rank: 25E

Dear Ms. Robertson:

The Groundwater Section of the Division of Water Quality (Section) reviewed the above incident on June 26, 2000, and determined that the site is in compliance with State regulations. The following assumptions were made in closing out this incident; 1) the concentrations of caprolactam in monitoring wells MW-2 and MW-3 are representative of the highest concentrations that will be found at the site and 2) the unknown compound found in MW-3 will not pose a threat to human health or the environment.

This office has conducted a site visit and is relying on the accuracy of the information submitted by you and your agent to make this determination.

In closing this file, the Section reserves the right to reopen its investigation should information become available which indicates that the cleanup at this site does not meet regulatory requirements for site closure.

MAILING ADDRESS: 1628 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1628
LOCATION: 3800 BARRETT DRIVE, SUITE 101, RALEIGH, NC 27609
PHONE 919-571-4700 FAX 919-571-4718
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

Should you have any questions, please contact Mr. Jim Roush or me at (919) 571-4700.

Sincerely,

S. Jay Zimmerman, L. G.
Environmental Regional
Supervisor
Raleigh Regional Office

cc: File / JMR
Ms. Michelle McGinnis, 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Mr. John Hartley, Hartley Construction, 302 West Weaver Street, Suite G, Carrboro, NC 27510

Appendix E:

Regulatory File Review

No documents have been associated with this appendix.

Appendix F:

Vapor Encroachment Evaluation

No documents have been associated with this appendix.

Appendix G:

Qualifications

FIRM:
Summit Design and Engineering Services, PLLC

Aaron Gross, P.G.
Geotechnical Engineering

Education
B.S., Geology
The University of North Carolina at Chapel Hill, 2015

Professional Registrations
Licensed Geologist,
North Carolina
License No. 2620

Professional Affiliations
The Geological Society of America (GSA)

Association of Environmental & Engineering Geologists (AEG)

Location
320 Executive Ct
Hillsborough, NC 27278

Phone Number
919-732-3883

Email Address
Aaron.Gross@summitde.com

Work History
Summit Design and Engineering Services, PLLC., Field Geologist
2016 – Present

Land Environmental Group, Environmental Assistant
2014 – 2015

Aaron Gross, P.G.
Senior Geologist

Mr. Gross has over five years of geotechnical investigations, geotechnical engineering, and environmental consulting experience. He is a licensed Professional Geologist in North Carolina. Mr. Gross is an experienced and well-rounded geologist consulting on both geotechnical and environmental projects throughout his career.

Representative Environmental Projects

- CA Ventures - Site 2 – 9 contiguous parcels totaling approximately 2.5-acres located on Hillsborough Street in Raleigh, North Carolina. An urban setting near North Carolina State University in an area with an extensive history of environmental contamination from past commercial and industrial activities. The area is currently being redeveloped for student housing, upscale shopping, and hotels under numerous Brownfield grants. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- Daniel Boone Village – 2 contiguous parcels totaling almost 60-acres located in Hillsborough, North Carolina. A large and complex site with unique historical usage. It was developed into an amusement park in the 1960s and later transitioned into a commercial shopping center. The parcel is currently being redeveloped for housing, hotel, and retail shopping. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- River Village – 130-acre parcel located in Burlington, North Carolina. The mostly undeveloped property along the Haw River was planned to be developed into a new residential subdivision. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site, which uncovered the presence of a Pre-Regulatory Landfill partially on the property.

- 1201 & 1211 North Mineral Springs Road – 2 contiguous parcels totaling approximately 12.5-acres located just outside of Durham, North Carolina. The site was planned to be redeveloped for a residential subdivision. The current tenant of the property was running an auto restoration business with over 50 vehicles present on the site. A large construction debris landfill was present on the site as well. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- 7501 & 7543 Mallard Creek Road – 2 contiguous parcels totaling approximately 6-acres located in Charlotte, North Carolina. The site was a run-down mobile home park slated for redevelopment. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

SUMMIT
DESIGN AND ENGINEERING SERVICES

Appendix H:

Additional Documentation

ASTM E1527-13 USER QUESTIONNAIRE

User - the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the *User* must conduct the following inquires required by 40 CFR 312.25, 312.28, 312.29, 312.30 and 312.31. The *User* should provide the following information to the Environmental Professional (EP). Failure to conduct these inquires could result in a determination that "all appropriate inquiries" is not complete.

This questionnaire should be completed and signed by the *User,* or a designated representative of the *User* who is familiar with the subject property. Please complete and return this questionnaire as soon as possible to Aaron Gross, P.G. at Aaron.Gross@summitde.com.

Subject Property Name: Crest Street

Subject Property Location: Carrboro, North Carolina

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).
Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the subject property under federal, tribal, state, or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

2. Activity and Use Limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26).
Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations

where these records might be kept.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No

☐ Yes

If yes, please explain below:

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for the subject property reasonably reflect the fair market value? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present on the property?

☐ No

☐ Yes

If no, please explain below:

Unknown, the Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The transaction involved a recombination and quit-claim deed. The property was part of the Oakwood Public Housing complex before conveyance. The value of the property in 2018 was $308,928. See agenda item for more information: https://carrboro.legistar.com/View.ashx?M=F&ID=6259145&GUID=1CB22693-629B-493C-B836-293E48D17FC2

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the EP to identify conditions indicative of releases or threatened releases? For example,

a. Do you know the past uses of the subject property?

   No

b. Do you know of specific chemicals that are present or once were present at the subject property?

   No

c. Do you know of spills or other chemical releases that have taken place at the subject property?

No

d. Do you know of any environmental cleanups that have taken place at the subject property?

No

6. The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)
Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

☐ No

☐ Yes

If yes, please explain below:

Unknown

7. Additional *User*-Provided Information.
The following information, if available, should be provided to the EP but is not required to qualify for one of the LLPs. This information includes:

a. The reason why the Phase I ESA is being performed?

Under the Town's Land Use Ordinance, development review is conducted under a four-step process. One of these steps is identifying the primary and secondary constraints for development. Any due diligence of developing on this property would include an assessment of potential brownfields. Appendix A of the Land Use Ordinance also gives the Town the opportunity to ask for more information about the property before a development occurs.

b. The type of property and type of property transaction (sale, purchase, exchange, etc.)?

Zoning: R75
The Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The transaction involved a recombination and quit-claim deed. The property was part of the Oakwood Public Housing complex before conveyance.

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature: _____

Date: 5-3-24

PHASE I ESA - STANDARD INTERVIEW FORM

Subject Property: Crest Street, Carrboro NC

Interviewer: Aaron Gross, PG

Interviewee: Martin Roupe, Laura Janway

Date of Interview: 5-3-24

1) What is your relationship to the subject property? (Owner, Tenant, Neighbor, Caretaker, Etc.)

Owner

2) How long have you owned or had knowledge of the subject property?

Owned since 2003

3) To the best of your knowledge, what is the current use of the subject property?

None

4) To the best of your knowledge, can you provide a brief history of the subject property and its uses?

The Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The property was part of the Oakwood Public Housing complex before conveyance.

5) If applicable, please provide a brief list of any current structures or that may have historically been present on the subject property (ex. buildings, homes, barns, storage sheds, etc.) and approximately when they were constructed.

The property was part of the Oakwood Public Housing complex before conveyance. Oakwood Public Housing Complex was built in 1984. Staff do not currently know if any of the Oakwood structures were present on the Crest St property in the past.

https://www.townofchapelhill.org/Home/Components/FacilityDirectory/FacilityDirectory/95/4342

6) If applicable, and to the best of your knowledge, what are the methods of heating the structures currently present on the subject property? Past methods of heating historical structures?

Unknown

7) If not already indicated above, have there ever been any heating oil Underground Storage Tanks (USTs) or Above-Ground Storage Tanks (ASTs) in use on the subject property?

Unknown

8) To the best of your knowledge, are there currently, or have there ever been, any other types of USTs or ASTs present on the subject property? If so, what were they storing?

Unknown

9) Are you aware of any past or current handling of hazardous substances or petroleum products on the subject property?

No

10) To the best of your knowledge, are there any water wells on the subject property? If so, have there ever been any contamination issues associated with the wells?

Unknown

11) To the best of your knowledge, are there any septic systems present on the subject property? If so, have there ever been any incidents or spills associated with the septic systems?

Unknown

12) Are you aware of any dumping or disposal areas on the subject property? This could include trash, construction debris, fill dirt, or other debris.

No

13) Are you aware of any environmental incidents or soil or groundwater contamination on your property or on neighboring properties?

No

14) Do you have any other information that you wish to share that may be pertinent to the historical use of or related to potential environmental concerns for the subject property?

No

15) Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

16) Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

17) Are you aware of any notices from any governmental entity regarding any possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products?

No

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature:

Date: 5-3-24

From: Carl Freeman
To: Aaron Gross, PG
Subject: RE: Crest Street and Pathway Drive Response Records
Date: Tuesday, May 7, 2024 2:42:30 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png

Sorry for the delay I'm not aware of any of these issues on these properties. Thank you

Carl Freeman, Deputy Chief/ Fire Marshal
Carrboro Fire Rescue Department
cfreeman@townofcarrboro.org 919-918-7352

From: Aaron Gross, PG <aaron.gross@summitde.com>
Sent: Thursday, April 18, 2024 10:40 AM
To: Carl Freeman <CFreeman@carrboronc.gov>
Subject: Crest Street and Pathway Drive Response Records

Carl,

I am a geologist performing a Phase I Environmental Site Assessment for two sites in Carrboro Town Limits. The two sites include a vacant lot on Crest Street (PIN 9778899390) and three contiguous parcels on Pathway Drive (1814, 1814-A, and 1816 Pathway Drive, PIN 9779429615, 9779531130, and 9779727516, respectively). As part of the ASTM Standard, I'm required to reach out to local government officials regarding potential responses to fires, hazardous material spills, or underground storage tank closures/removals at the subject property. Does your department have any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties? If I need to direct this email to another department or local authority, please let me know and sorry for sending this in error. Any help would be greatly appreciated, thanks for your time!

Aaron Gross, PG
Senior Geologist
Tel: 919-732-3883 x3154
Cell: 919-428-3191





Town of Carrboro, NC Website -
https://link.edgepilot.com/s/89ab13ce/GriWwAfapkCXuMoKVXIRQw?u=https://www.carrboronc.gov/

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June 11, 2924

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Subject: Phase I Environmental Site Assessment
1814 & 1816 Pathway Drive
Carrboro, NC 27510
Project No. 23-0350.204

Dear Ms. Vanaman

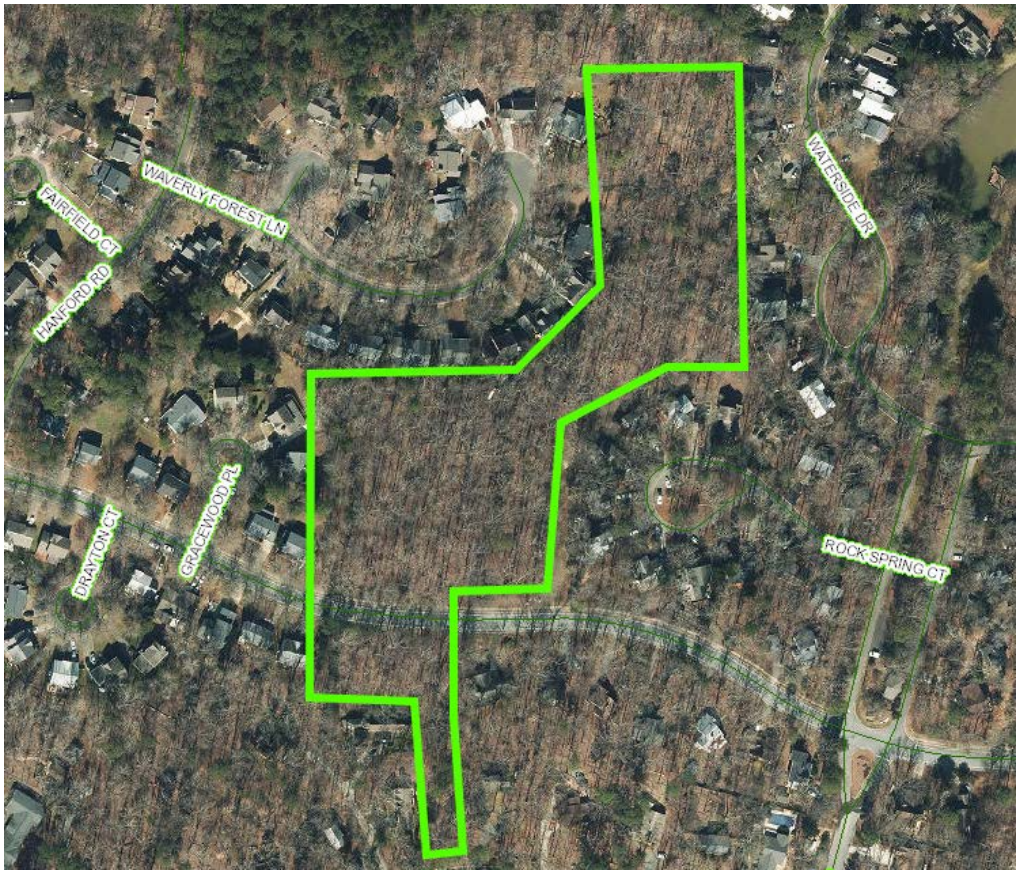
Please find enclosed the Phase I Environmental Site Assessment we have completed for the above referenced subject property. We appreciate this opportunity to serve you. Please contact me if you have any questions about the report.

Sincerely,
Summit Design & Engineering Services

Aaron B. Gross
Senior Geologist

Phase I Environmental Site Assessment Report

Pathway Drive
1814 & 1816 Pathway Drive
Carrboro, NC 27510



Prepared by
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278

Prepared for
Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

May 31, 2024
Project # 23-0350.204

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1.0 GENERAL INFORMATION

Project Information:
Carrboro Due Diligence - Pathway Drive
Project Number:
23-0350.204

Consultant Information:
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278
Phone: (919) 732-3883
E-mail Address: aaron.gross@summitde.com
Inspection Date: April 29, 2024
Report Date: May 31, 2024

Site Information:
Pathway Drive
1814 & 1816 Pathway Drive
Carrboro, NC 27510
County: Orange
Latitude, Longitude: 35.928148, -79.084454
Site Access Contact:

Client Information:
Anne-Marie Vanaman
amvanaman@carrboronc.gov
301 W. Main Street
Carrboro, North Carolina 27510

Site Assessor

Aaron B. Gross
Senior Geologist

Senior Reviewer

Aaron B. Gross
Senior Geologist

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Aaron B. Gross - Senior Geologist

2.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in conformance with and generally met the requirements of ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions.

The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

This ESA was performed by or under the responsible charge of an Environmental Professional (EP) as defined in the ASTM E1527-21 Standard. The assessment was conducted by Aaron Gross, PG with Summit Design & Engineering Services, PLLC.

2.1 Subject Property Description

The subject property is known as Pathway Drive and is located at 1814 & 1816 Pathway Drive, Carrboro, NC.

The subject property consists of three (3) parcels totaling approximately 6.33 acres in size and is located at 35.928148 (Latitude) & -79.084454 (Longitude) in Orange County, NC. According to information obtained from the Orange County Geographic Information System (GIS), the PINs for the parcels comprising the subject property are as follows: 9779429615, 9779531130, and 9779427516

The subject property is currently an undeveloped wooded lot transected by Pathway Drive. A sanitary sewer and intermittent stream transects the northern end of the subject property. The surrounding area is comprised of residential single-family homes.

In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

2.2 Environmental Report Summary

A summary of findings from the Phase I ESA is provided in the table below. Summit recommends that this report be read in its entirety to achieve a more comprehensive and detailed understanding of the findings presented below.

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
4.3	**Current Use of Subject Property**	X					
4.5	**Adjoining Property Information**	X					
6.2.7	**Previous Environmental Reports**	X					
6.2.9	**Historical Summary**	X					

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
6.3	**Standard Environmental Record Resources**	X					
7.3.1	**Drums, Totes, and Intermediate Bulk Containers**	X					
7.3.2	**Drains and Sumps**	X					

2.3 Conclusions

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Pathway Drive). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

3.0 INTRODUCTION

A Phase I Environmental Site Assessment is a qualitative study of existing information and available records along with a site inspection designed to identify, to the extent feasible, environmental contamination liabilities in connection with a parcel of commercial real estate. This Phase I Environmental Site Assessment was performed in conformance with and generally met the requirements of the American Society for Testing and Materials (ASTM) E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* This assessment was conducted under the supervision or responsible charge of an individual who qualifies as an Environmental Professional (EP), as defined in the ASTM E1527-21 Standard.

Summit Design & Engineering Services performed a Phase I Environmental Site Assessment (Phase I ESA) of the subject property (Pathway Drive) located in Orange County, NC.

3.1 Purpose

The purpose of the ASTM E1527-21 Standard is to define good commercial and customary practice in the United States of America for conducting an environmental assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products.

This practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability, also known as Landowner Liability Protections (LLPs). This practice constitutes all appropriate inquiries into the previous ownership and uses of the property, consistent with good commercial and customary practice as defined in 42 U.S.C. 9601(35)(B).

The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions. The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

A condition determined to be a de minimis condition is not a recognized environmental condition. A de minimis condition is defined by the ASTM E1527-21 Standard as "a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

3.2 Scope of Work

Summit Design & Engineering Services was contracted by Town of Carrboro to conduct a Phase I ESA for the subject property (Pathway Drive). Our services were provided in accordance with and are described in detail within Summit's Proposal "Town of Carrboro Proposal for Town Owned Land - Site Assessment (RFQ #2023-425-2," dated January 27, 2023 and revised August 28, 2023.
The Phase I ESA conducted at the subject property was in general accordance with ASTM Standard E1527-21 and included the following:

- A site reconnaissance and visual survey of properties proximate to the subject property,
- Review of records and interviews with regulatory officials and representatives regarding current and former operations at the subject property,
- A review of historical resources, such as: property records, topographic maps, fire insurance maps, city directories, and aerial photographs,

- Review of previous environmental site assessments, if made available,
- Review of State and Federal environmental database information, and
- Evaluation of information and preparation of the report provided herein.

Typically, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. These activities would be carried out under separate cover, if necessary.

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services unless otherwise described in Section 9.0 of this report.

3.3 Significant Assumptions

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this practice is intended to reduce but not eliminate uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. A Phase I ESA is not an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, might be a material detriment to the orderly completion of transactions.

One of the purposes of the ASTM E1527-21 Standard Practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the User, and the information developed in the course of the inquiry.

Phase I ESAs, such as the one performed for this site, are of limited scope, are non-invasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site. It was not the purpose of this study to determine the actual presence, degree, or extent of contamination, if any, at this site. This determination could require additional exploratory work, including sampling and laboratory analysis.

Information obtained for this ESA was collected from numerous different sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the Client. However, in some instances, the information requested is not, or was not, received by the issuance date of the report. It should be recognized that environmental concerns may be documented in information not received or public records that are not reviewed. Observations, conclusions, and opinions presented within this report are necessarily limited to conditions observed and materials reviewed at the time this study was undertaken.

3.4 Limitations and Exceptions

This Phase I ESA was performed in general conformance with the ASTM E1527-21 Standard. However, limiting conditions are commonly encountered by an EP during the course of a Phase I ESA. Limiting conditions can vary significantly from physical obstructions or access issues during the site reconnaissance to the inability to obtain information or interview key personnel before the reporting

deadline. Limitations and exceptions to ASTM Standard E1527-21 noted during the course of the Phase I ESA are discussed below:

- Thick vegetation and dense ground cover limited visibility in many areas of the subject property.

3.5 Deviations

Limiting conditions, if significant enough, can lead to deviations from the ASTM E1527-21 Standard Practice. Limiting conditions and resulting deviations from the ASTM Standard Practice can lead to data gaps. A data gap is defined by the ASTM E1527-21 Standard as "a lack of or inability to obtain information required by this practice despite good faith efforts by the EP to gather such information." Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

A data gap by itself is not inherently significant and can be commonly encountered by an EP during the course of a Phase I ESA. In most cases, the gaps in information can be filled by the EP through other avenues of research and investigation. However, in some instances, data gaps can be considered significant. A significant data gap is defined by the ASTM E21527-21 Standard as "a data gap that affects the ability of the environmental professional to identify a recognized environmental condition."

Deviations from the ASTM 1527-21 Standard Practice and resulting data gaps encountered during this Phase I ESA are listed with their significance evaluated and discussed in the following paragraphs below:

- Summit was unable to interview past owners of the subject property per Section 10.0 of the ASTM Standard and this is considered a data gap. However, Summit does not consider this to be a significant data gap. Summit considers it unlikely that the previous property owners would have additional pertinent information on the subject property beyond what was researched and obtained by Summit during this Phase I ESA.

3.6 Special Terms and Conditions

No warranty, expressed or implied, is made concerning the conclusions and opinions presented within this report. The findings of this ESA are not intended to serve as an audit for health and safety compliance issues pertaining to improvements or activities at the site. Summit is not liable for the discovery or elimination of hazards that may potentially cause damage, accidents, or injury. The limitations described herein must be considered when the User of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated but not eliminated through additional research or assessment.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance, and other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). We have no obligation to provide information obtained or discovered by us after the date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions or opinions in the report.

This practice does not address requirements of any state or local laws or of any federal laws other than the "all appropriate inquiries" provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard

to hazardous substances or petroleum products potentially discovered on the property that are not addressed in this practice and that may pose risks of civil or criminal sanctions for non-compliance. Furthermore, observations, conclusions, and opinions presented within this report are not to be construed as legal interpretations or advice.

3.7 Reliance

This Phase I ESA report was prepared for the exclusive use and reliance of Town of Carrboro (Client). Use or reliance by any other party is prohibited without the written authorization of the Client and Summit. If the Client is aware of additional parties that will require reliance on the ESA report, Summit may grant reliance on the ESA report to those approved parties upon receipt of a fully executed Reliance Agreement (available upon request) and receipt of the information requested in the Reliance Agreement. Reliance on the ESA by the Client and all authorized parties will be subject to the terms, conditions, and limitations stated in the Standard Contract for Professional Services, Summit's Proposal, the Reliance Agreement, and the Phase I ESA report.

The limitation of liability defined in the Standard Contract for Professional Services is the aggregate limit of Summit's liability to the Client and all relying parties. The continued viability of the report is subject to ASTM E1527-21 Sections 4.6 and 4.8. If the ESA is used by a different user (third party), then the user for whom the ESA was initially prepared, the third party must also satisfy the User's Responsibilities in Section 6 of the ASTM E1527-21 Standard.

4.0 SUBJECT PROPERTY DESCRIPTION

The term "subject property" is utilized throughout the ASTM Standard and within this report. The ASTM E1527-21 Standard defines the subject property as "the property that is the subject of the environmental site assessment described in this practice." The subject property of this Phase I ESA is thoroughly defined and described in the following sections. For detailed maps showing the subject property and the surrounding area, please see Figures I - II located in Appendix A.

4.1 Location and Legal Description

The subject property is known as Pathway Drive and is located at 1814 & 1816 Pathway Drive, Carrboro, NC.

The subject property consists of three (3) parcels totaling approximately 6.33 acres in size and is located at 35.928148 (Latitude) & -79.084454 (Longitude) in Orange County, NC. According to information obtained from the OrangeCounty Geographic Information System (GIS), the PINs for the parcels comprising the subject property are as follows: 9779429615, 9779531130, and 9779427516

4.2 Subject Property and Surrounding Area Description

The subject property is currently an undeveloped wooded lot transected by Pathway Drive. A sanitary sewer and intermittent stream transects the northern portion of the site. The surrounding area is comprised of residential single-family homes.

4.3 Current Use of Subject Property

The subject property is currently wooded and undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed. A sanitary sewer transects the site to the north. Pathway Drive transects the parcels.

According to the Town of Carrboro Zoning information available on Orange County GIS, the subject property is zoned Residential.

4.4 Description of Structures and Other Improvements

A sanitary sewer transects the subject property in the north. Pathway Drive transects the parcels in the south. No other structures are on the property. Therefore, no utilities are connected to the subject property at this time. Based on its location within Carrboro city limits, it is assumed that the Town of Carrboro can connect to this property for water and sewer services, and that Duke Energy would supply electricity and Dominion Energy would provide natural gas.

4.5 Adjoining Property Information

The ASTM E1527-21 Standard defines adjoining properties as "any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them." The following table summarizes the occupants, uses, and other additional pertinent information for the adjoining properties:

Adjoining Property Information			
Direction From Subject Property	**Occupant**	**Use**	**Comments**
North	Various	Residential	Residential (Single-Family) and Vacant (Undeveloped Wooded Land)
South	Various	Residential	Residential (Single-Family)

Direction From Subject Property	Occupant	Use	Comments
East	Various	Residential	Residential (Single-Family)
West	Various	Residential	Residential (Single-Family)

5.0 USER-PROVIDED INFORMATION

The ASTM E1527-21 Standard defines the User as "the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property." A User may include, without limitation, a potential purchaser of the property, a prospective tenant of the property, an owner of the property, a lender, or a property manager.

The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that certain tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the EP, the EP should request that the User provide the results of these tasks as such information can assist the EP in identifying RECs in connection with the subject property. If the User does not communicate this information (Section 6.0 of the ASTM E1527-21 Standard), the EP should consider the absence of such information as a Data Gap. In the case of this Phase I ESA, Summit has identified the User as the Client,Town of Carrboro.

Per the ASTM E1527-21 Standard, the *User Questionnaire* should be completed and signed by the User or a designated representative of the User who is familiar with the subject property. This questionnaire is designed to summarize the topics and information that should be communicated to the EP, which, when completed by the User, should satisfy the User's Responsibilities under Section 6.0 of the ASTM Standard.

The *User Questionnaire* was submitted to Ms. Anne-Marie Vanaman, Housing and Community Services Director with Town of Carrboro, via email on April 5th, 2022. The questionnaire was completed by Martin Roupe, Development Review Administrator and Laura Janway, Environmental Sustainability Coordinator with Town of Carrboro and returned to Summit on May 22, 2024. Their responses are summarized in the following sections, and a copy of the completed *User Questionnaire* can be found located in Appendix H.

5.1 Environmental Liens

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Environmental Liens filed or recorded against the subject property under federal, tribal, state, or local law.

5.2 Activity and Use Limitations

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Activity and Use Limitations (AULs), such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed against the subject property under federal, tribal, state, or local law.

5.3 Specialized Knowledge or Experience

Town of Carrboro did not report having any specialized knowledge or experience related to the subject property or nearby properties.

5.4 Valuation Reduction for Environmental Issues

A lower purchase price may be an indication of known or suspected contamination present on the property. Town of Carrboro reported that the purchase price being paid for the subject property reasonably reflects the fair market value.

5.5 Commonly Known or Reasonably Acertainable Information

Town of Carrboro responded that they were not aware of any of the past uses of the subject property. They were also not aware of any specific chemicals present or once preset, spills or chemical releases, or environmental cleanups that have taken place at the subject property.

5.6 Obvious Indicators of Contamination

Town of Carrboro reported that based on their knowledge and experience, there are no obvious indicators that point to the presence or likely presence of releases of hazardous substances or petroleum products at the subject property.

5.7 Reason For Performing Phase I ESA

Town of Carrboro indicated that the reason why the Phase I ESA is being performed is for the planned residential development of the subject property. They also stated that the type of property transaction was a purchase of the subject property.

6.0 RECORDS REVIEW

The purpose of the Records Review is to obtain and review records that will help identify RECs in connection with the subject property. The following section includes Summit's review of the Standard Federal, State, and Tribal Environmental Record Sources, Standard Physical Setting Resources, and Standard Historical Information Sources required by the ASTM E1527-21 Standard. To enhance and supplement the ASTM-required standard record sources, Summit also reviewed additional environmental record sources, additional physical setting resources, and other historical resources.

6.1 Physical Setting

The migration of environmental contamination in the subsurface can be influenced by surface topography, surface hydrology, soil characteristics, geology, and hydrogeology (i.e., groundwater flow direction and velocity). A detailed understanding of the physical setting of the subject property is, therefore, essential to the Environmental Professional (EP) in forming a professional opinion about the behavior of potential on-site contamination or the potential risk of contaminant migration from off-site sources should they be uncovered during the course of the ESA.

Summit reviewed physical setting information for the subject property from several different sources, including Environmental Data Resources, Inc. (EDR), the United States Geological Survey (USGS), the United States Department of Agriculture (USDA), and the North Carolina Geological Survey (NCGS).

General site settings including topography, surface water bodies, geology and hydrology are detailed in the following sections.

6.1.1 Topography

Surface topography may be indicative of the direction of shallow groundwater flow. This information can be used to assist the EP in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the subject property, what down-gradient sites might be impacted.

The subject property is located within the Piedmont Physiographic Province and would be best characterized as gently rolling. The topographic high of approximately 510 feet above sea level is located near the southwestern corner of the subject property. Topographic lows of approximately 430 feet occur at the northeastern corner of the subject property.

The subject property slopes on an approximately 16% gradient to the northeast and an 14% gradient to the southwest. The general topographic gradient of the subject property and surrounding area is north-northeast. Based on a review of the 2022 USGS topographic map for the subject property area, groundwater is inferred to flow generally to the northeast towards Bolin Creek.

6.1.2 Surface Water Bodies

Surface water features (i.e., rivers, creeks, lakes, ponds, wetlands, etc.) can act as a hydrologic conduit for or barrier to groundwater flow. Therefore, these features may act as a preferential pathway for or impediment to contaminant migration from potential off-site sources.

An unnamed ephemeral stream is present within the northeastern portion of the subject property. This intermittent feature flows to the east. No other surface water bodies are present within the subject property.

The nearest surface water in the vicinity of the subject property is an unnamed pond located approximately 260 feet to the northeast of the subject property. Bolin Creek also runs along the property and is located approximately 800 feet to the northeast.

6.1.3 Geology and Hydrology

The characteristics of the local soils can play an essential role in the behavior of potential environmental contamination as it enters and moves through the subsurface. The dominant soil composition in the general area of the subject property is a silt loam. The soil component name (map name) is Tatum, and it is primarily composed of Sandy Lean CLAY (CL), SILT (ML), and Silty SAND (SM). Tatum is rated as Class B (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. In addition, these three soil components are present on the subject property. The soil component name (map name) is Goldston. Goldston is rated as a Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with moderate corrosion potential for uncoated steel. The next soil component name (map name) is Enon. Enon is rated as a Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. The last soil component name (map name) is Georgeville. Georgeville is rated as a Class B (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. A copy of the USDA Soil Conservation Service (SCS) data reviewed for the subject property and surrounding area can be found located in Appendix D.

The soils described above were developed from the weathering of the Ordovician aged Granitic Rock underlying the subject property and surrounding area. The underlying Geology can also play a significant role in potential contaminant migration and is critical to understand during an ESA. Geologic formations can impact the speed, direction, and depth that potential contaminants can travel in the subsurface.

At shallow depths and under unconfined conditions, groundwater flow would be expected to be primarily driven by variations in the elevation of the water table surface. This driving mechanism is called topographically-driven flow because the elevation of the water table usually mimics the elevation of the ground surface. Therefore, surface topography may be used to infer the direction of shallow groundwater flow in an area. Based on the topography of the subject property described in Section 6.1.1, shallow groundwater flow would be anticipated to flow towards the northeast with some localized variations. The depth to the water table would be expected to vary significantly from 5 to 20+ feet below the ground surface, with shallow depths near existing surface water features and deeper depths at the topographic highs of the subject property. During Summit's Geotechnical Investigation, 24-hour groundwater levels in one boring was encountered at a depth of 3.5 feet.

Deeper water-bearing zones usually occur within the underlying bedrock, which in this case, is composed of crystalline rock (Granitic Rock). The movement of groundwater through crystalline rocks is one of the least predictable phenomena in all of groundwater science. This is because the porosity of these rocks is very low, and a network of fractures usually controls permeability. The direction of groundwater movement in deeper bedrock aquifers may not be consistent with shallow, unconfined, and topographically-driven groundwater flow. EDR conducted a search of Local and Regional Water Agency records for information about water wells in the area. No data was readily available to help determine the direction of groundwater flow within the deeper bedrock water-bearing zones.

6.2 Historical Use

The EP must develop a history of the previous uses of the subject property, the adjoining properties, and the surrounding area. This research should be done in order to help identify the likelihood of past uses having led to RECs in connection with the subject property. To develop that history, the EP must consult a variety of historical sources and exercise professional judgment while considering the possibility of releases that might have occurred at or impacted the subject property in light of the suspected past uses or activities. Summit reviewed historical information from several different sources, all of which were provided by Environmental Data Resources, Inc. (EDR).

6.2.1 Sanborn/Historical Maps

The Sanborn Library is the largest, most complete collection of fire insurance maps. These maps can be used to track the historical usage of a property. EDR searched this library, and no fire insurance maps covering the subject property were found. The Certified Sanborn® Map Report is included in Appendix C.

6.2.2 Aerial Photos

Summit reviewed aerial photographs of the subject property, adjoining properties, and the surrounding area for evidence of former usage that may constitute a potential for environmental concern. Aerial photographs were available and were obtained from EDR for the following years: 1938, 1950, 1955, 1961, 1964, 1973, 1975, 1983, 1993, 1999, 2006, 2009, 2012, 2016, and 2020. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the aerial photos reviewed can be found in The EDR Aerial Photo Decade Package located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the aerial photographs:

Aerial Photos		
Date(s)	**Property Comments**	**Surrounding Area Comments**
1938	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1950	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1955	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1961	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1964	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else
1973	Wooded	Wooded in all directions. The agricultural areas that were to the north and west have been turned back into wooded area. Single-family residences further southwest. Spring Valley Road was constructed by 1973.
1975	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else. Blueridge Road and Morningside Drive were constructed by 1975.
1983	Wooded	Wooded to the north, east, and west. A residential neighborhood has been built by 1983 to the south.
1993	Wooded	Wooded to the north. A residential neighborhood has been built to the east and west by 1993. Pathway Drive, Hartford Road, and Watershed Drive have all been built by 1993. The man pond that Watershed Drive borders has been built by 1993.

Date(s)	Property Comments	Surrounding Area Comments
1999	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2006	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2009	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2012	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2016	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2020	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.

6.2.3 Historical Topographic Maps

Summit obtained historical topographic maps from EDR, including USGS maps from 1946, 1947, 1978, 1980, 1981, 1993, 2002, 2013, 2016, 2019, and 2022. Summit reviewed the historical topographic maps and compared findings with those observed in the aerial photography review. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the historical maps reviewed can be found in the EDR Historical Topo Map Report located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the historical topographic maps:

Historical Topographic Maps			
Date(s)	Quad	Property Comments	Surrounding Area Comments
1947	Chapel Hill		Bolin Creek flows from northwest to the northeast. The area is mostly undeveloped at this time.
1980	Chapel Hill		A residential neighborhood has been constructed to the south. Blue Ridge Road, Morningside Drive, and Spring Valley Road was constructed by 1980.
1993	Chapel Hill	Pathway Drive was constructed by 1993.	Residential neighborhoods have been constructed to the east and west by 1993. Hartford Road, Watershed Drive, and a pond that is bordered by Watershed Drive have been constructed by 1993.

6.2.4 City Directories

Another of the ASTM standard historical sources to be reviewed for previous site use is local street directories, commonly known as City Directories. The purpose of the directory review is to identify past occupants of the subject property, adjoining properties, and nearby properties. In some rural areas, street directories' information is limited. A copy of the street directories reviewed can be found within The EDR-City Directory Image Report located in Appendix C.

Pathway Drive was designated the target street to search for any listings related to the subject property as well as adjoining and nearby properties. Spring Valley Road was searched as a cross street for any listings related to adjoining and nearby properties. Records were available from EDR for the following years:

1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. Below is a summary of observations and pertinent information taken from Summit's review of the historical local street directories:

Date(s)	Property Comments	Surrounding Area Comments
1965-2020	No residences or occupants were listed for the subject property.	All listings for the surrounding area were residential.
1992	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 1992.
1995	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1813, 1807, 1809, 1810, 1811, 1813, and 1815 Pathway Drive were occupied in 1995.
2000	No residences or occupants were listed for the subject property.	Residential properties at 1803, 1807, 1809, 1811, 1813, and 2210 Pathway Drive were occupied in 2000.
2005	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2005.
2010	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2010.
2014	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2014.
2017	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, and 1811 Pathway Drive were occupied in 2017.
2020	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2020.
2020	No residences or occupants were listed for the subject property.	Residential properties at 102, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 200, 202, 204, 206, 208, 300, 301, 302, 303, 304, 306, 308, and 310 Spring Valley Road were occupied in 2020.

6.2.5 Building Department Records

Records obtained from Orange County Geographic Information System (GIS) online resources were reviewed for evidence indicating the developmental history of the subject property and for the presence of documentation relative to underground storage tanks. Since the subject property is undeveloped, no history of development of the subject property was available for review with these resources.

6.2.6 Title Records

No title records were provided by the Town of Carrboro. The most recent deed for the subject property was obtained through Orange County Geographic Information System (GIS) online resources. Information from our review of the most recent available deed is summarized in the table below:

Title Records			
Information Source	**Date(s)**	**Book/Page**	**Listed Owner**
Orange County, NC Register of Deeds	3/11/1988	712/79	Town of Carrboro

6.2.7 Previous Environmental Reports

No previous environmental reports were identified or made available by Town of Carrboro during the Phase I ESA.

6.2.8 Other Historical Records

No other historical records were reviewed by Summit Design & Engineering Services during this Phase 1 ESA.

6.2.9 Historical Summary

Historical information identifying the past use of the subject property was obtained from a variety of sources as detailed in Appendix C of this report and included City Directories, Aerial Photographs, Sanborn Fire Insurance Maps, and Topographic Maps.

Historical Summary			
Period	**Source**	**Subject Property Uses**	**Adjoining Property Uses**
1938	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1946	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1947	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1950	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1955	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1961	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1964	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1965	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1968	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1972	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1972-1978	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land
1973	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
1975	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land
1977	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1980	Topographic Maps	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1980-1981	Topographic Maps	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1982	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1983	Aerial Photographs	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1987	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1992	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1993	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1993	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1995	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1999	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2000	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2002	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2005	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2006	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2009	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2010	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2012	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2013	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2014	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2016	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2016	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2017	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2019	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2020	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2020	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2022	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land

6.3 Standard Environmental Record Resources

Summit Design & Engineering Services contracted Environmental Data Resources, Inc. (EDR) to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-21 are summarized in the following table. Detailed information for sites identified within the AMSDs is provided below, along with an opinion about the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property. Copies of the EDR research data and a description of the databases are included in Appendix D of this report.

Map Findings Summary								
Database	**Subject Property**	**Search Distance (Miles)**	**< 1/8**	**1/8 - 1/4**	**1/4 - 1/2**	**1/2 - 1**	**> 1**	**Total Plotted**
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
FEDERAL FACILITY		0.5	0	0	0	NR	NR	0
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-VSQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	0	0	NR	NR	0
ERNS		0.001	0	NR	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
EDR Hist Auto		0.125	1	NR	NR	NR	NR	1
SHWS		1	0	0	0	0	NR	0
SWF/LF		0.5	0	0	0	NR	NR	0
LUST		0.5	0	0	7	NR	NR	7
LUST TRUST		0.5	0	0	5	NR	NR	5
UST		0.25	0	0	NR	NR	NR	0
LAST		0.5	0	0	0	NR	NR	0
AST		0.25	0	0	NR	NR	NR	0
INST CONTROL		0.5	0	0	2	NR	NR	2
VCP		0.5	0	0	0	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
DEBRIS		0.5	0	0	0	NR	NR	0
IMD		0.5	0	0	1	NR	NR	1
HSDS		1	0	0	0	0	NR	0
OLI		0.5	0	0	0	NR	NR	0
LCID		0.5	0	0	0	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0

Adjoining and Nearby Properties	
Site Name:	CHEVRON CONSTRUCTION CORP
Databases:	EDR Hist Auto
Address:	200 WATERSIDE DR
Distance (Feet):	614

Direction:	East-Northeast
Elevation:	Lower
Comments:	This site has been improperly identified and is believed to not actually exist here.

Site Name:	RESNICK PROPERTY, JARED
Databases:	LUST, LUST TRUST
Address:	904 HILLSBOROUGH ROAD
Distance (Feet):	1738
Direction:	Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	RESNICK PROPERTY, JARED
Databases:	IMD
Address:	904 HILLSBOROUGH ROAD
Distance (Feet):	1738
Direction:	Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	CLARENCE & MARGY MCFARLING UST
Databases:	LUST, INST CONTROL
Address:	703 HILLSBOROUGH ROAD
Distance (Feet):	1883
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	HARWARD PROPERTY (SHANNON)
Databases:	LUST, LUST TRUST
Address:	1802 N. GREENSBORO STREET
Distance (Feet):	1923
Direction:	South
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	CHEEK RESIDENTIAL OIL SPILL
Databases:	LUST, LUST TRUST
Address:	100-B MILTON DR
Distance (Feet):	2271
Direction:	South-Southeast
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	BROWNING PROPERTY
Databases:	LUST, LUST TRUST
Address:	105 SIMPSON STREET
Distance (Feet):	2338
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	PHILIP EASLER RESIDENCE
Databases:	LUST, ASBESTOS
Address:	103 PHIPPS ST
Distance (Feet):	2557
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	REDFOOT PROPERTY, RICHARD
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	105 PHIPPS STREET
Distance (Feet):	2573
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

6.3.1 Regulatory File Review

Pursuant to Section 8.2.3.1 of the ASTM E1527-21 Standard, pertinent regulatory files and/or records associated with listings identified within the subject property or adjoining properties should be reviewed. The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the subject property in connection with the listing.

The subject property and adjoining properties were not flagged within the regulatory records search of ASTM standard environmental record sources. Therefore, no Regulatory File Review was conducted for this Phase I ESA.

6.4 Additional Environmental Record Resources

In addition to the ASTM-required Standard Environmental Record Sources, Summit reviewed additional federal, state, local, and proprietary databases provided by EDR. No incidents, sites, or facilities were flagged within the additional environmental record resources searched. A complete list and description of additional environmental record resources searched can be found in Appendix D of this report.

6.5 Vapor Encroachment Evaluation

For the purposes of the ASTM E1527-21 Standard, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E2600 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. By including this explicit reference to vapor migration in the subsurface, the ASTM E1527-21 Standard clarifies and reinforces the need to address potential vapor migration issues, which is essentially a Tier 1 screening under the ASTM E2600 Standard.

The ASTM E2600 Standard defines default values for plume length using extensive research on both volatile chemical plumes (such as chlorinated solvent plumes from dry cleaners) and volatile petroleum hydrocarbon plumes from leaking Underground Storage Tank (UST) sites. These default values are used to form an Area of Concern (AOC) around the subject property that is used by the EP to help identify which off-site issues may pose a risk for contaminant migration.

In order to be conservative, the plume length selected to form the default value for the AOC was based upon the 90th percentile distance of typical migration as well as additional footage for expected vapor migration through a reasonably permeable soil. The AOC is smaller for petroleum hydrocarbons because they are known to undergo significant biodegradation in the presence of oxygen. If groundwater flow direction is known or can be inferred, then the AOC can be reduced significantly in the down-gradient and cross-gradient directions, and a default plume width can be inferred.

Summit maintained the default values recommended by the ASTM E2600 Standard when designating the AOC for the subject property. Based on the physical setting sources reviewed, the location of the AOC was determined by Summit to be generally southwest of the subject property. A detailed copy of the EDR Vapor Encroachment Screen conducted for the subject property can be found located in Appendix F. The following tables summarize the results of the vapor encroachment evaluation by listing the number of sites, incidents, and/or facilities located within the ASTM E2600 specified distances from the subject property:

Standard Environmental Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	0	0
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	0	0
State and tribal - equivalent NPL	not searched	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	0	0
State and tribal institutional control / engineering control registries	0.333	2	0	2
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfield sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

Historical Use Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

6.6 Environmental Liens and Activity/Use Limitations

Unless added by a change in the scope of work to be performed by the EP, the ASTM E1527-21 Standard does not impose on the EP the responsibility to undertake a review of recorded land title records or judicial records (where applicable) for environmental liens and activity & use limitations (AULs). The process of searching and evaluating land title records or judicial records ordinarily requires specialized expertise provided by title insurance companies or title search professionals. As described in Section 6.2 of the ASTM Standard, reviewing land title records or judicial records for AULs and environmental liens is a User responsibility. Unless notified otherwise, we assume that Town of Carrboro. is evaluating this information outside the scope of this report and has reported the accurate results of this work in their response to the User Questionnaire.

In some cases, in lieu of or in addition to being filed in the land title records or judicial records, AULs may be found in separate Federal, State, & Tribal Engineering Control (EC) and Institutional Control (IC) databases. These databases were searched along with the other ASTM-required Standard Environmental Record Sources listed in Section 6.3. The subject property was not flagged within the EC or IC databases provided by EDR.

7.0 SITE RECONNAISSANCE

The purpose of the site reconnaissance is to collect information and make observations to help identify RECs in connection with the subject property. The reconnaissance typically consists of observations of the subject property from the site boundaries and selected interior portions of the site, as well as a cursory inspection of the adjoining properties. The EP observes the subject property for signs of past or present handling, storage, or releases of hazardous substances or petroleum products. These observations include an inspection of surface conditions at the site, including, but not limited to, stressed vegetation, stained pavement, strong odors, or unusual soil discoloration that could indicate a past or ongoing release.

The adjoining property reconnaissance consists of observations of the surrounding properties from the site boundaries and accessible public right-of-way. Photographs of the subject property and, if appropriate, adjoining properties are taken by the EP to document the site as well as any potential environmental risks that may be present. Photographs were taken at the time of the site reconnaissance for this Phase I ESA can be found in the following sections and are completely documented in Appendix B.

7.1 Methodology and Limiting Conditions

Observations of the subject property and adjoining properties were primarily made from a walking reconnaissance of the entire area of the site. The adjoining properties were visually observed from portions of the subject property's perimeter.

The site reconnaissance occurred on April 29, 2024. Leaf litter and vegetation cover obscured the ground surface of the subject property during the site reconnaissance, however this is not considered to be a significant data gap.

7.2 General Subject Property Setting

The subject property consists of approximately 6.33 acres and consists of undeveloped wooded areas. The ground surface at the site slopes gently downward to the northeast. The subject property is accessed via the shoulder of Pathway Drive.

7.3 Site Visit Findings

The following table summarizes site observations and information obtained from interviews. Affirmative or Negative responses are designated by an "X" in the following table. Affirmative responses are discussed in more detail in the sections following the table. The following items or features below are limited to what was observed or identified within the boundaries of the subject property.

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substances		X
Petroleum Products		X
Underground Storage Tanks (USTs)		X
Aboveground Storage Tanks (ASTs)		X
Strong, Pungent, or Noxious Odors		X
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		X
Drums, Totes, and Intermediate Bulk Containers	X	
Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses		X

Condition, Feature or Operation Observed or Identified?	Yes	No
Unidentified Substance Containers		X
PCB-Containing Items		X
Stains or Corrosion on Floors, Walls, or Ceilings		X
Drains and Sumps	X	
Pits, Ponds, or Lagoons		X
Solid Waste		X
Stained Soil or Pavement		X
Stressed Vegetation		X
Wells		X
Other		X

7.3.1 Drums, Totes, and Intermediate Bulk Containers

Evidence of other suspect containers was observed on the subject property during the site reconnaissance. Details of the other suspect containers are provided below.

A compost bin was observed on the northern half of the site property. A trash can was also observed on the southern half of the site property behind the multi-family residential home.

ASSOCIATED PHOTOGRAPHS



Trash can on subject property



Compost bin on subject property

7.3.2 Drains and Sumps

Discharge features (floor drains, catch basins, oil/water separators, etc.) were observed on the subject property during the site reconnaissance.

Two exterior gutter runoff pipes were observed. One on the south side of the subject property near the multi-family residential housing and one on the north side of the property.

Water/Wastewater
During the site reconnaissance an ephemeral stream and a sanitary sewer were observed on the property. The stream generally flows from southwest to northeast. The stream did not have any water in it at the time the site was walked. The sanitary sewer ran from the south to the north where it intersected beside the stream and begin running parallel to the stream. It is assumed that the sanitary sewer slows the same direction as the stream.

ASSOCIATED PHOTOGRAPHS



Gutter run off pipe on south side of property



Gutter run off pipe on north side of property



Ephemoral stream



Sanitary sewer easement parrelling the stream



South to north running sanitary sewer easement

8.0 INTERVIEWS

The objective of the interview portion of the Phase I ESA is for the EP to obtain information concerning past and current uses of the subject property from persons who may have specialized knowledge of the property. This information is obtained from interviews that can be conducted with present owners, past owners, operators, managers, or occupants of the subject property. The interviews can be held in various mediums such as in-person, by telephone, or by email. The ultimate goal is to identify past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property.

Additionally, interviews with state or local government officials should be conducted. Some examples of state or local government officials include local fire departments, state or local health agencies, state or local agencies responsible for hazardous waste disposal, and local agencies responsible for the issuance of building permits. These interviews are typically conducted to check for records of emergency responses to fires, hazardous materials spills, or other environmental concerns at the subject property.

Interviews	
Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe and Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the Standard Interview Form to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was not aware of any past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property. A copy of the Standard Interview Form can be found located in Appendix H.

Role:	Local Gov't Official
Title:	Deputy Chief / Fire Marshal
Name:	Carl Freeman
Company:	Carrboro Fire Rescue Department
Method:	Written Response
Comments:	Summit sent an email to Mr. Freeman on April 18, 2024, inquiring as to whether his department had any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties. Mr. Freeman responded to this email on May 7, 2024, indicating that he did not have any records of the previously mentioned issues on the property. A copy of Summit's correspondence with Mr. Freeman can be found in Appendix H.

Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe, Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the ASTM E1527-21 User Questionnaire to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was unaware of any recognized environmental conditions at the property. A copy of the User Questionnaire can be found in Appendix H.

9.0 NON-SCOPE CONSIDERATIONS

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services at the subject property.

It should be noted that Three Oaks Engineering, Inc. (Three Oaks) will be working as a sub-consultant to Summit on this project and will be performing wetland and stream delineations. Their work will be turned in at a different time and under a separate cover.

10.0 FINDINGS AND OPINIONS

The following section presents Summit's findings that have been identified in one or more sections of this report. Each finding is thoroughly described and evaluated in the paragraphs below. This evaluation includes a description of the logic and reasoning used by the EP to form a professional opinion of the environmental risk posed to the subject property by each finding.

1.) A sanitary sewer transects the property from west to east. Sanitary sewers have the ability to transport contaminants from off-site sources through the subject property when industrial facilities and petroleum product users improperly dispose of their waste into the sanitary sewer system. If these practices are occurring farther up the sanitary sewer system, and if the sewer is leaking on or near the subject property, the sewer can deposit those contaminants onto the subject property for long periods of time. However, no evidence of the sewer leaking was observed during the site reconnaissance. Additionally, the area surrounding the subject property is mostly residential in nature, and therefore it is unlikely that significant industrial or petroleum contaminants would be present in the sewer system in this area. Therefore, Summit does not consider the sanitary sewer to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

11.0 CONCLUSIONS

The professional opinions formed for each finding allow for an overall conclusion of the environmental condition of the subject property and potential risks associated with any findings. The following statement is Summit's conclusion that has been reached upon our completion of the Phase I ESA of the subject property.

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Pathway Drive. Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

12.0 RECOMMENDATIONS

Recommendations are not required by the ASTM E1527-21 Practice. A User should consider whether recommendations for additional inquiries or other services are desired. Recommendations are an additional service that may be used in the User's analysis of LLPs or BERs.

The EP should provide an opinion regarding additional appropriate investigation, if any, to detect the presence of hazardous substances or petroleum products. A Phase I ESA, which includes such an opinion by the EP, does not render the assessment incomplete. This opinion is not intended to constitute a requirement that the EP include any recommendations for Phase II or other assessment activities.

Based on the scope of services, limitations, findings, and conclusions of this Phase I ESA, it is the opinion of Summit Design and Engineering Services that additional environmental assessment of the subject property is not warranted.

13.0 REFERENCES

The following sources were consulted while putting together this Phase I ESA report template and/or this specific Phase I ESA Report:

- Horton J. Wright., and Victor A. Zullo. *The Geology of the Carolinas: Carolina Geological Society Fiftieth Anniversary Volume*. University of Tennessee Press, 1991.

- Fitts, Charles R. *Groundwater Science*. Academic Press, 2002

- Brown, Philip M., et al. "Geologic Map of North Carolina, 1985." Geologic Map of NorthCarolina,1985, The Survey, 1985

- Buonicore, Anthony J. *Methodology for Identifying the Area of Concern Around a PropertyPotentially Impacted by Vapor Migration from Nearby Contaminated Sources*. AWMA, 2011, pp. 1-7

- Interstate Technology & Regulatory Council (ITRC). 2018. "Light Non-Aqueous Phase Liquid(LNAPL)Site Management: LCSM Evolution, Decision Process, and Remedial Technologies." LNAPL -3.Washington, D.C. https://lnapl-3.itrcweb.org

- United States, Congress "An Introduction to Characterizing Sites Contaminated with DNAPLs." Interstate Technology and Regulatory Council, 2003.

- Geyer, Wayne B. *Handbook of Storage Tank Systems: Codes, Regulations, and Designs.* Dekker,2000.

- "Propane." Wikipedia, Wikimedia Foundation, 6 Dec. 2020 en.wikipedia.org/wiki/Propane.http://dpstudioenvironmental.com/uploads/3/4/6/4/34643401/dpstudio_is_it_a_rec_issue_no_4_the_abcs_of_pcbs_dec_2016.pdf

- https://www.epa.gov/privatewells/learn-about-private-water-wells

The table below summarizes the sources provided by EDR and reviewed for this Phase I ESA:

References		
Source Reviewed	**Date(s)**	**Source Details**
EDR Aerial Photo Decade Package (Inquiry Number 7621920.8S) Ship Date: April 12th, 2024	1938, 1950, 1955, 1961, 1964, 1973, 1975, 1983, 1993, 1999, 2006, 2009, 2012, 2016, 2020	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR City Directory Abstract (Inquiry Number 7621920.5S) Ship Date: April 16th, 2024	1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, 2020	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Historical Topo Map (Inquiry Number 7621920.4S) Ship Date: April 11th, 2024	1946, 1947, 1978, 1980, 1981, 1993, 2002, 2013, 2016, 2019, 2022	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Sanborn Map Search/Print (Inquiry Number 7621920.3S) Ship Date: April 11th, 2024		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Radius Map Report (Inquiry Number 7621920.2S) Ship Date: April 12th, 2024		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.

Appendix A:

Figures

Image Provided By ESRI Street Map

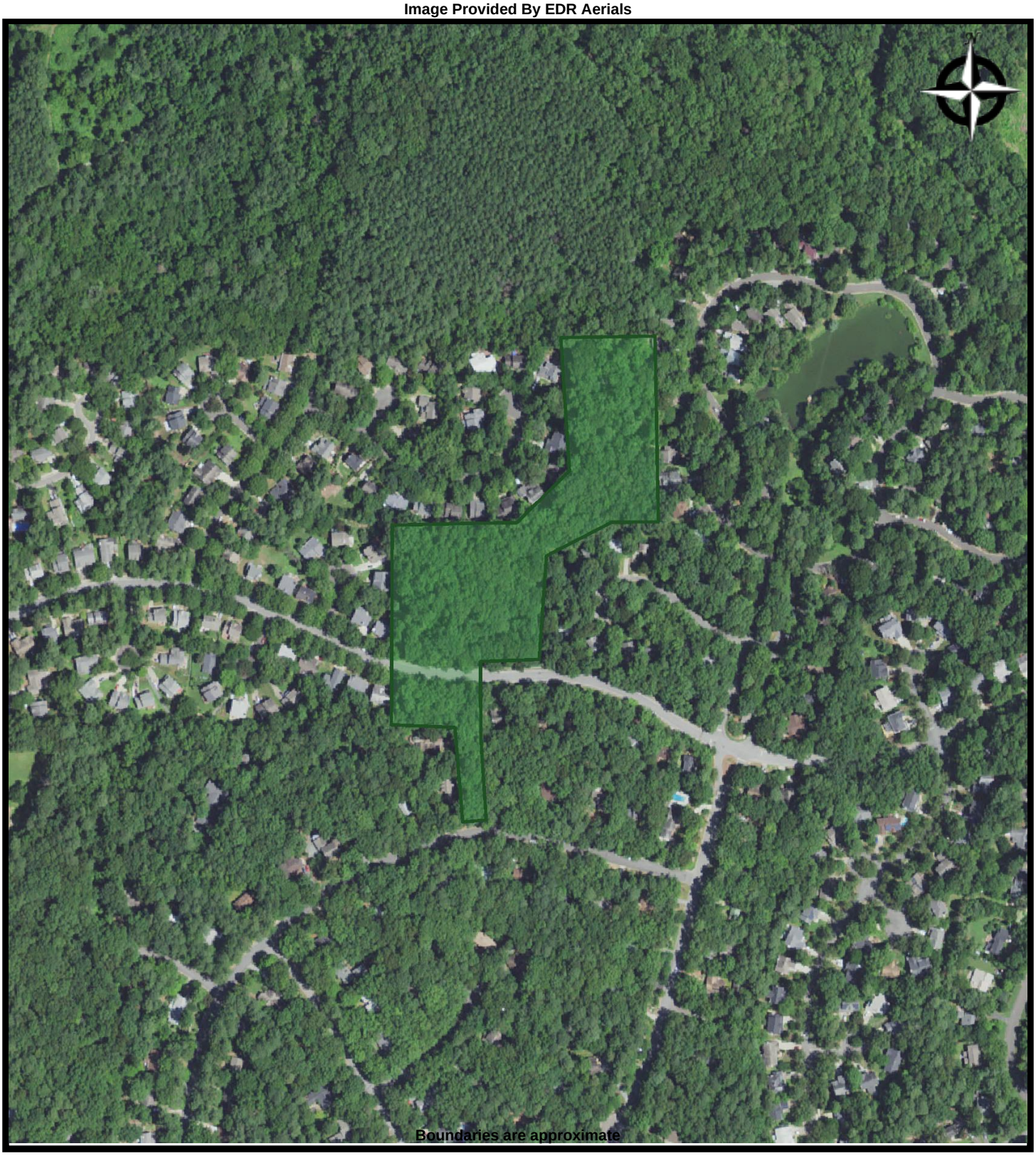


SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE I - SUBJECT PROPERTY
CARRBORO DUE DILIGENCE - PATHWAY DRIVE
1814 & 1816 PATHWAY DR
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Katie Haven
DATE: 5/31/2024
PROJ. #: 23-0350.204

Image Provided By EDR Aerials



SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE II - SUBJECT AND ADJOINING PROPERTIES
CARRBORO DUE DILIGENCE - PATHWAY DRIVE
1814 & 1816 PATHWAY DR
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Katie Haven
DATE: 5/31/2024
PROJ. #: 23-0350.204

Appendix B:

Photographs



1: Trash can on subject property



2: Compost bin on subject property



3: Ephemoral stream



4: Sanitary sewer easement parrelling the stream



5: South to north running sanitary sewer easement



6: Gutter run off pipe on south side of property



7: Gutter run off pipe on north side of property

Appendix C:

Historical Research

Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.3

April 11, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.3

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Summit Design & Engineering Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0F8F-45CF-827A

PO # NA

Project 23-0350.204

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 0F8F-45CF-827A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.4

April 11, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/11/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.4

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Summit Design & Engineering Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: 23-0350.204

Coordinates:

Latitude:	35.928148 35° 55' 41" North
Longitude:	-79.084454 -79° 5' 4" West
UTM Zone:	Zone 17 North
UTM X Meters:	672810.19
UTM Y Meters:	3977674.46
Elevation:	494.79' above sea level

Maps Provided:

2022	1978
2019	1947
2016	1946
2013	
2002	
1993	
1981	
1980	

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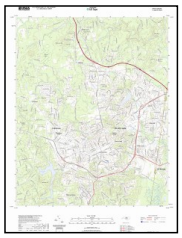
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Topo Sheet Key

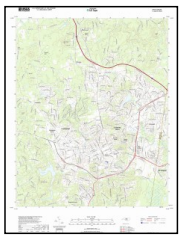
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2022 Source Sheets



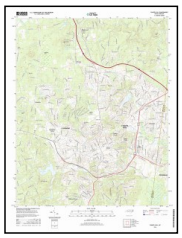
Chapel Hill
2022
7.5-minute, 24000

2019 Source Sheets



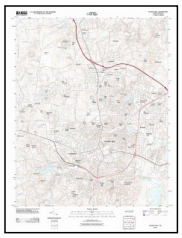
Chapel Hill
2019
7.5-minute, 24000

2016 Source Sheets



Chapel Hill
2016
7.5-minute, 24000

2013 Source Sheets



Chapel Hill
2013
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2002 Source Sheets



CHAPEL HILL
2002
7.5-minute, 24000

1993 Source Sheets



Chapel Hill
1993
7.5-minute, 24000
Aerial Photo Revised 1993

1981 Source Sheets



Chapel Hill
1981
7.5-minute, 24000
Aerial Photo Revised 1980

1980 Source Sheets



Chapel Hill
1980
7.5-minute, 24000
Aerial Photo Revised 1980

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1978 Source Sheets



Chapel Hill
1978
7.5-minute, 24000
Aerial Photo Revised 1972

1947 Source Sheets



Chapel Hill
1947
7.5-minute, 31680

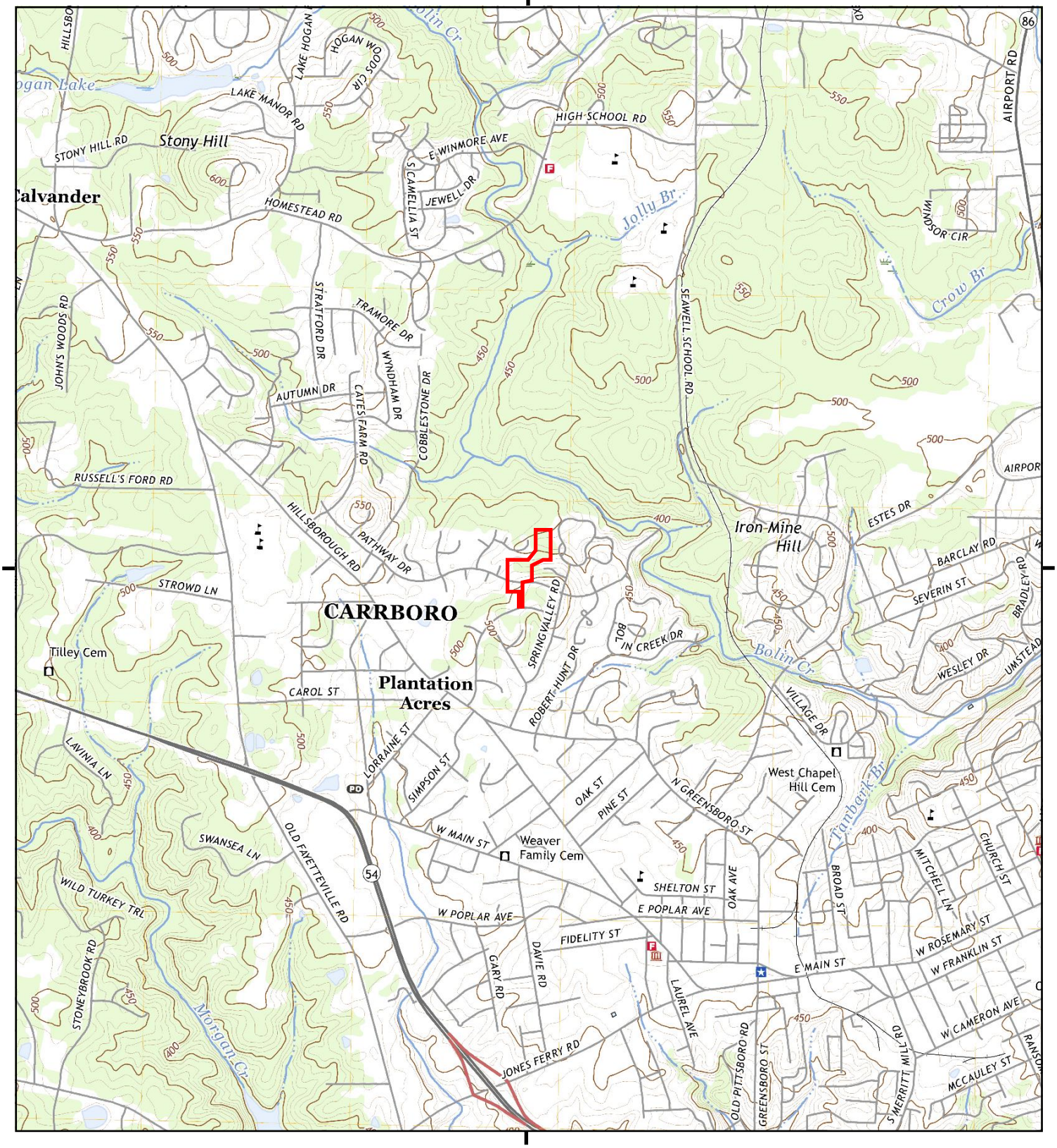
1946 Source Sheets



Chapel Hill
1946
7.5-minute, 24000

Historical Topo Map

2022



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

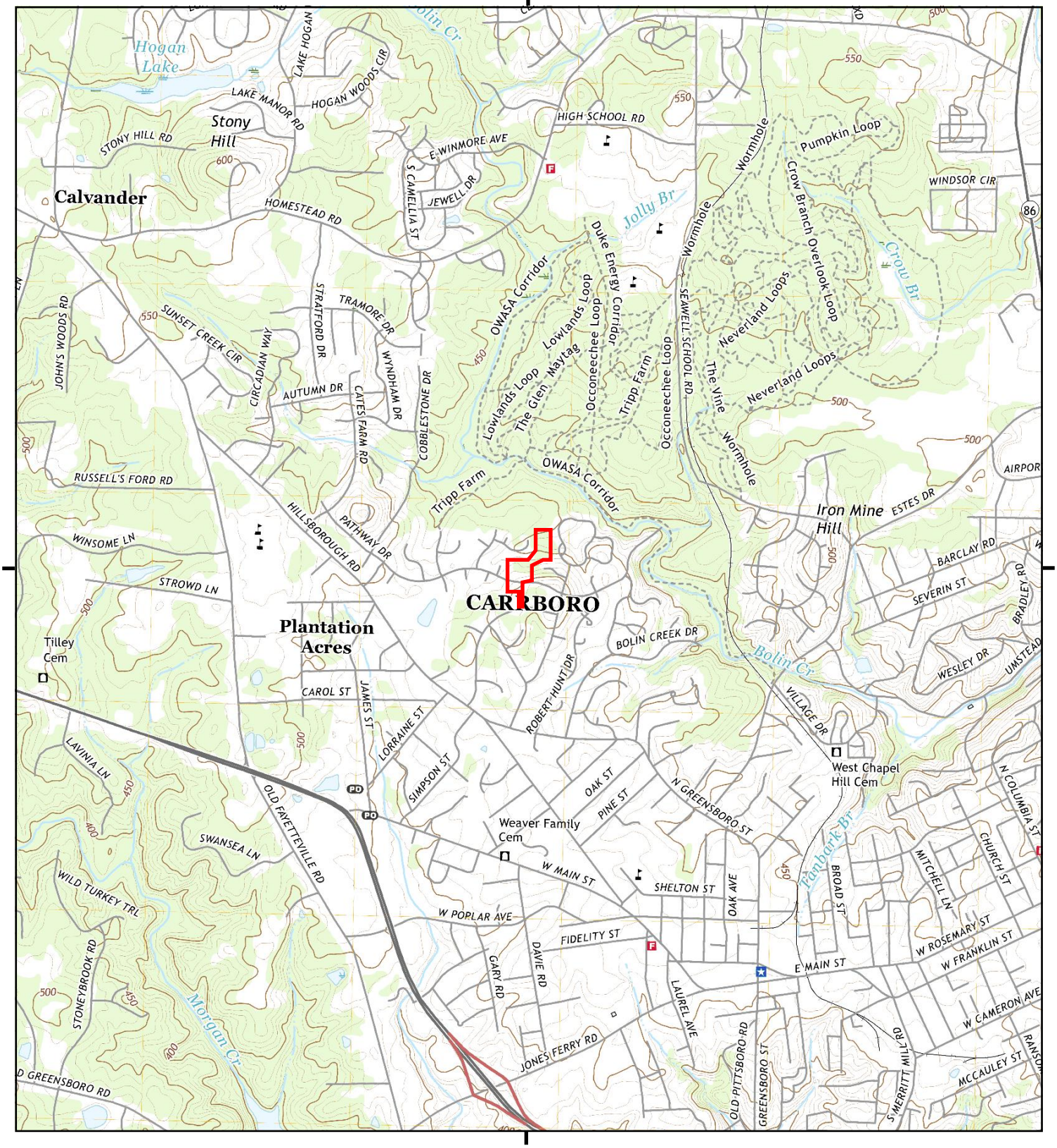
TP, Chapel Hill, 2022, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2019



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

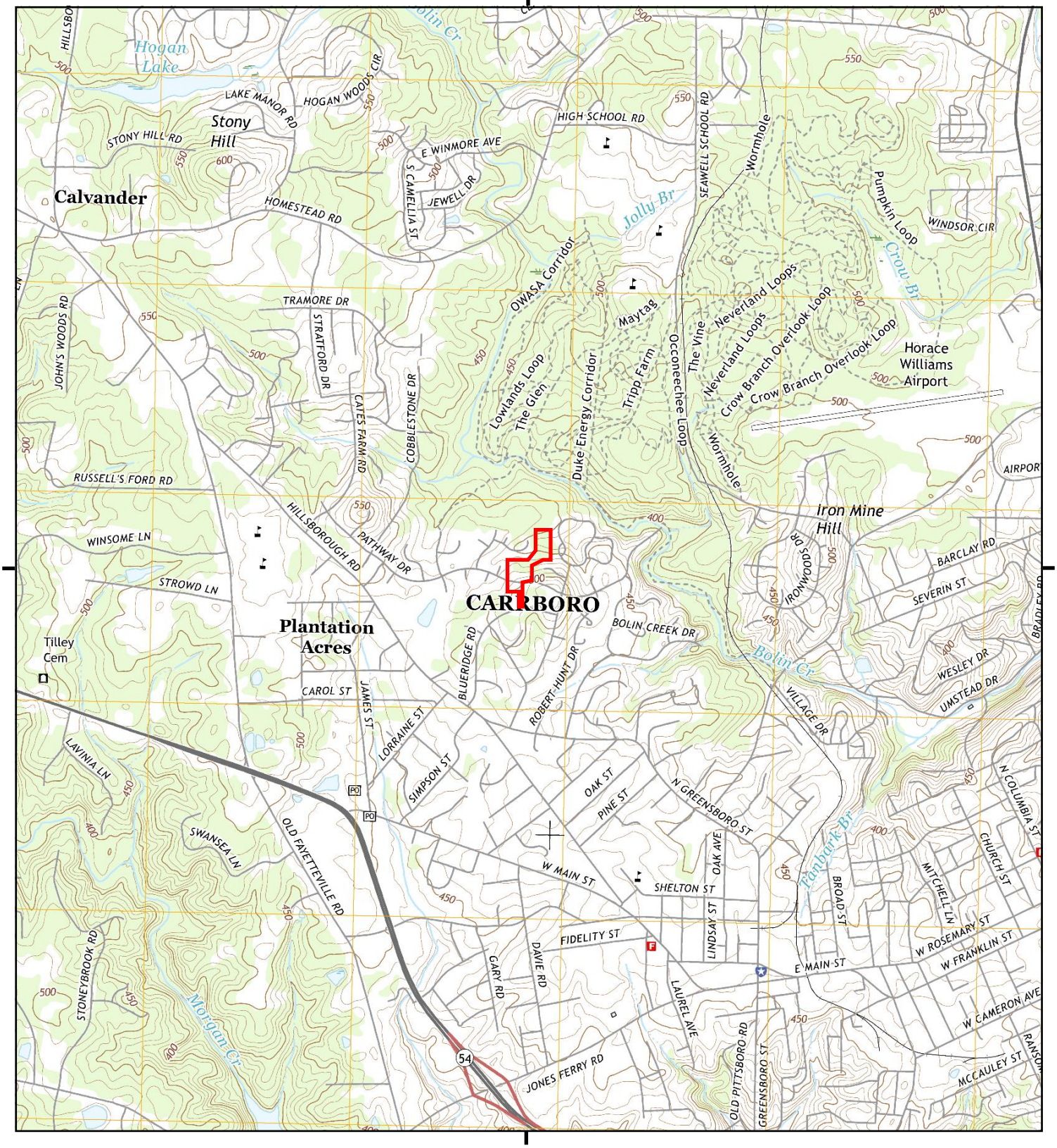
TP, Chapel Hill, 2019, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

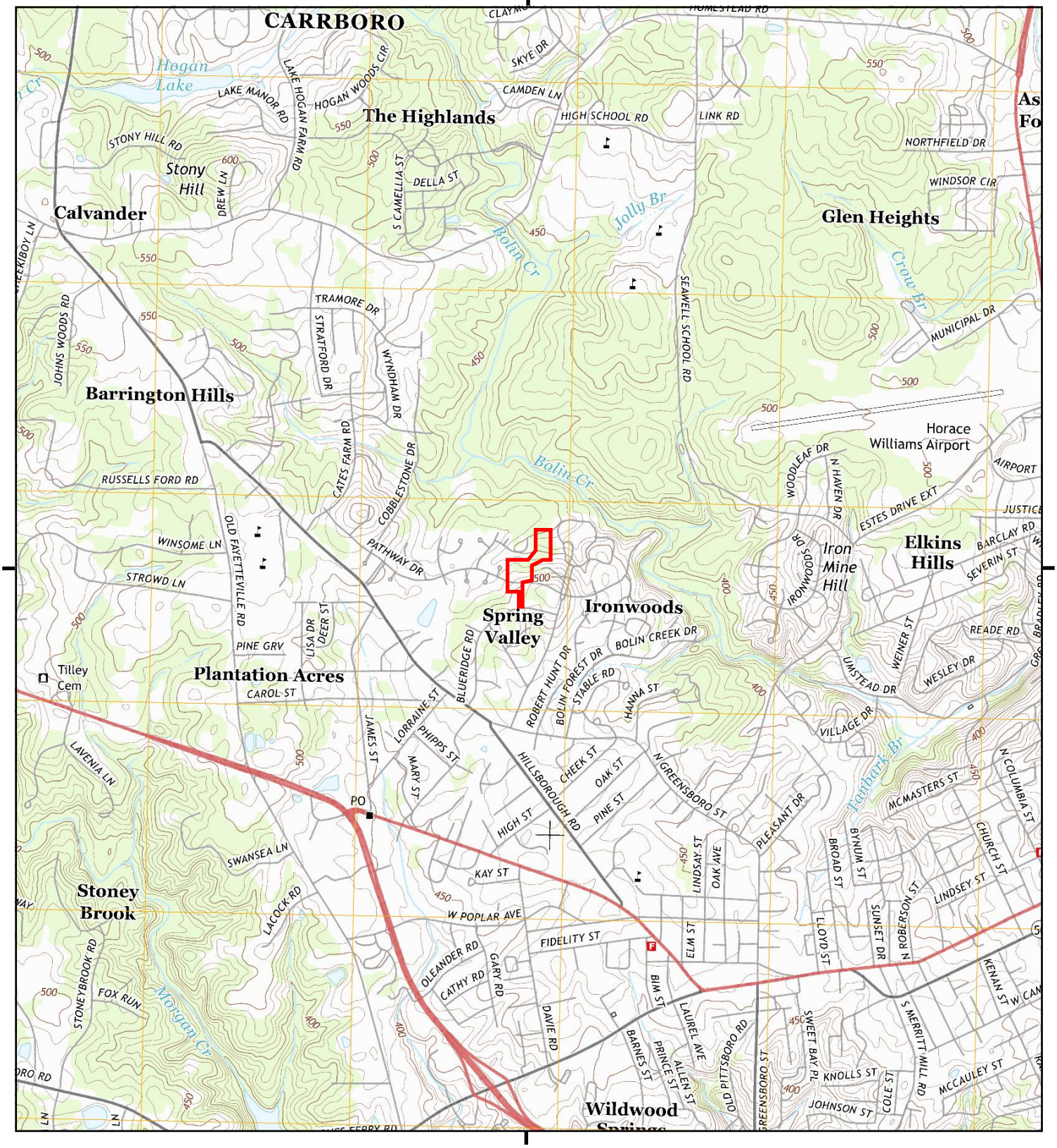
TP, Chapel Hill, 2016, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

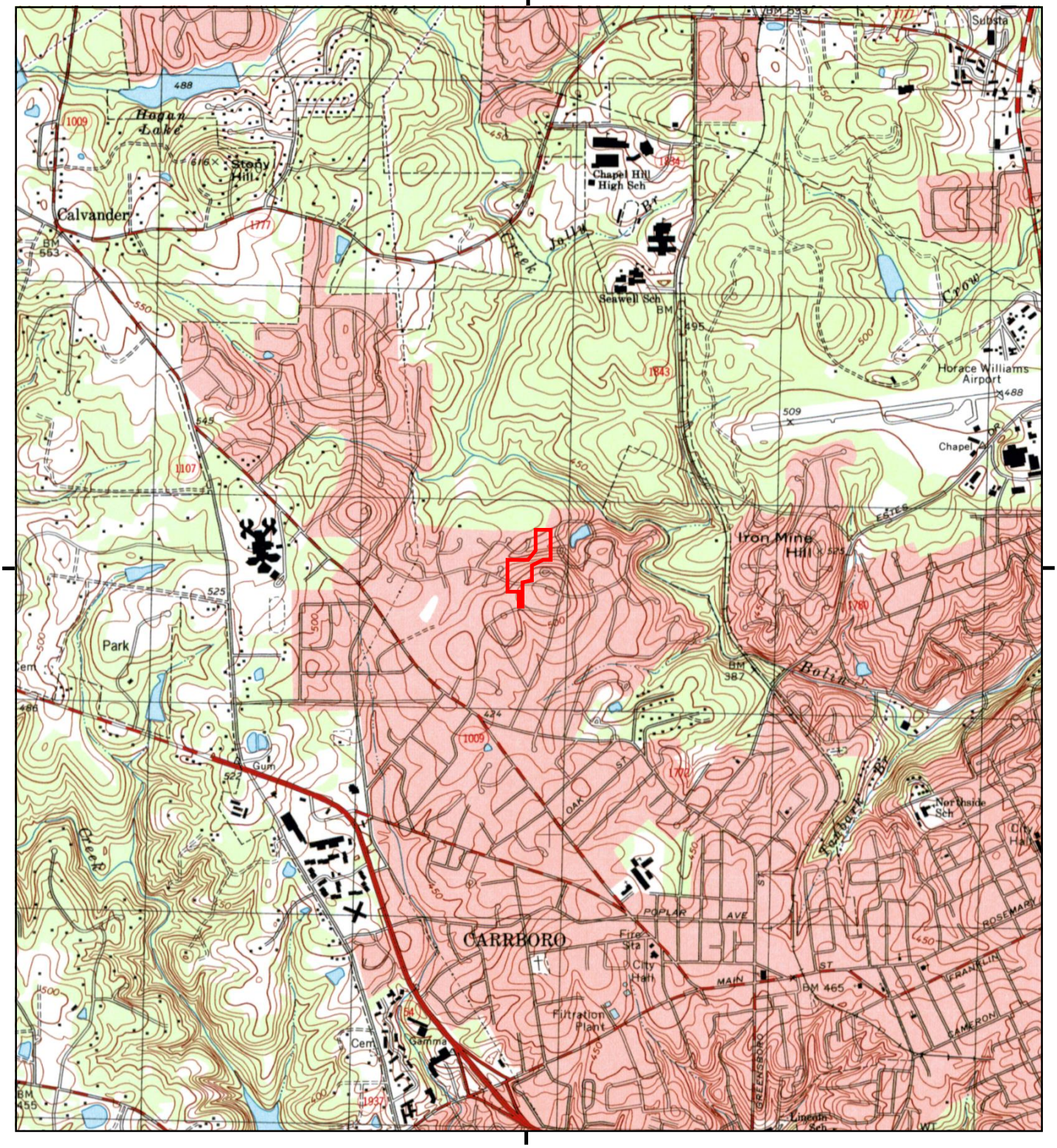
TP, Chapel Hill, 2013, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2002



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

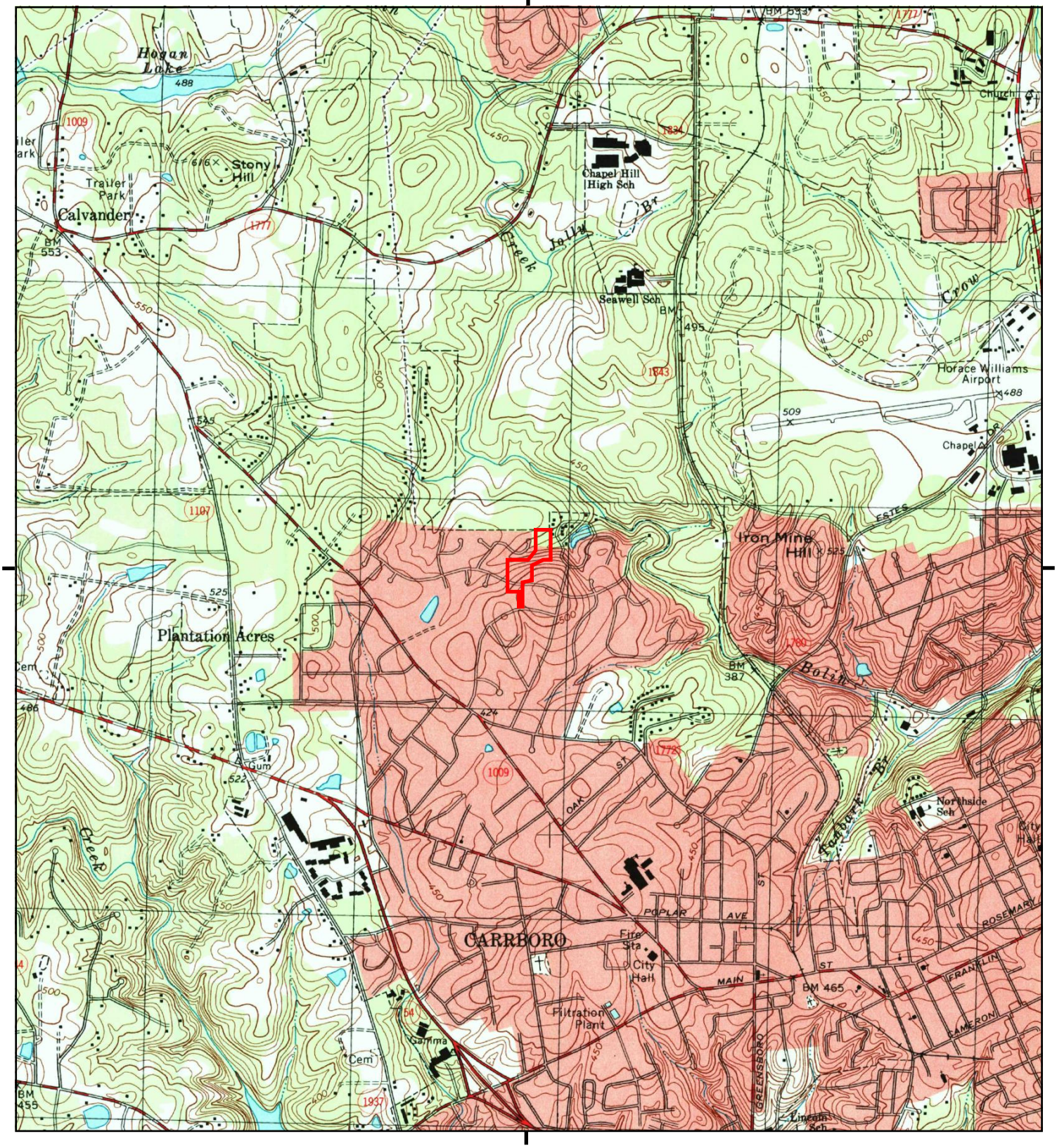
TP, CHAPEL HILL, 2002, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

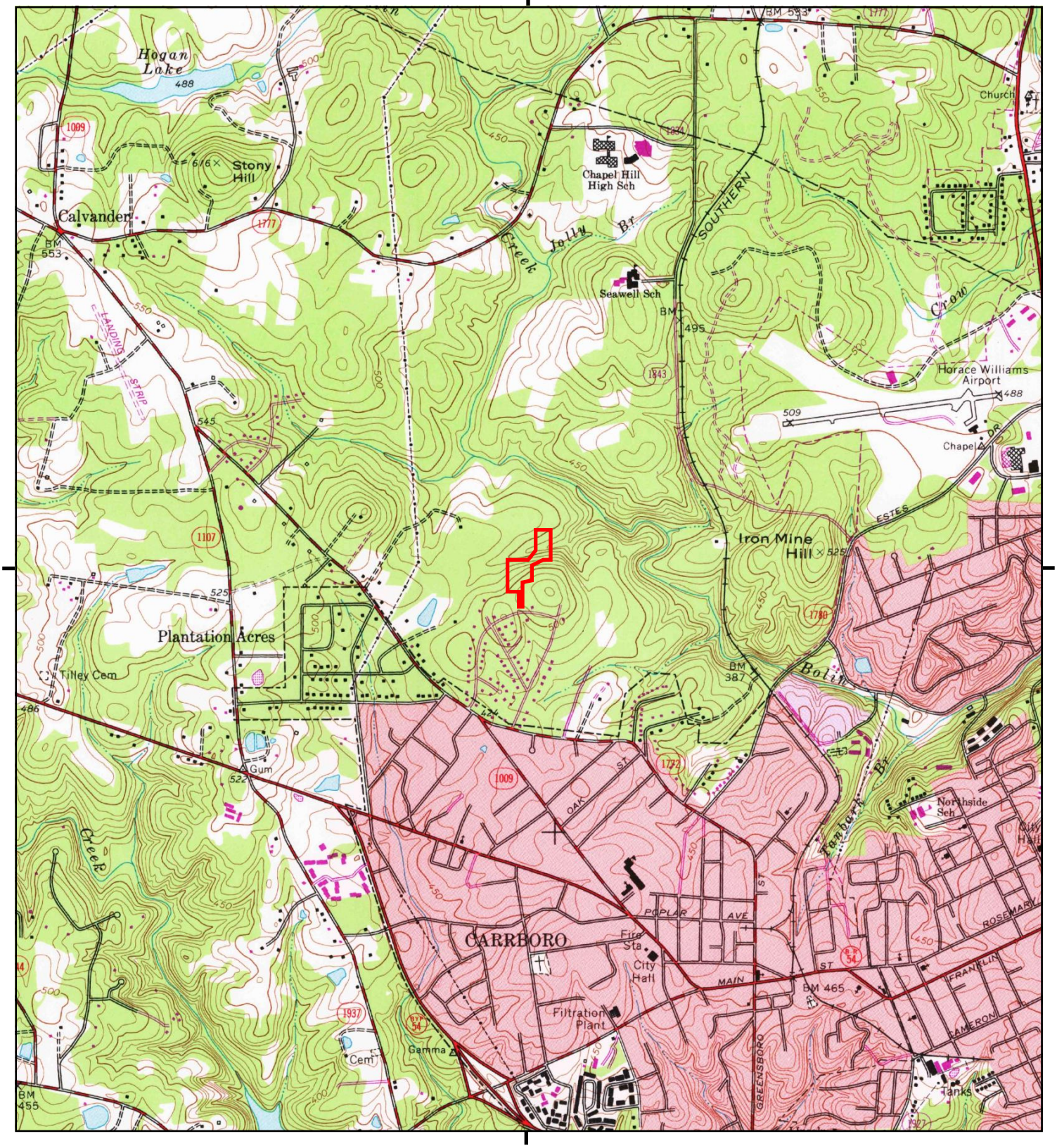
TP, Chapel Hill, 1993, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1981, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

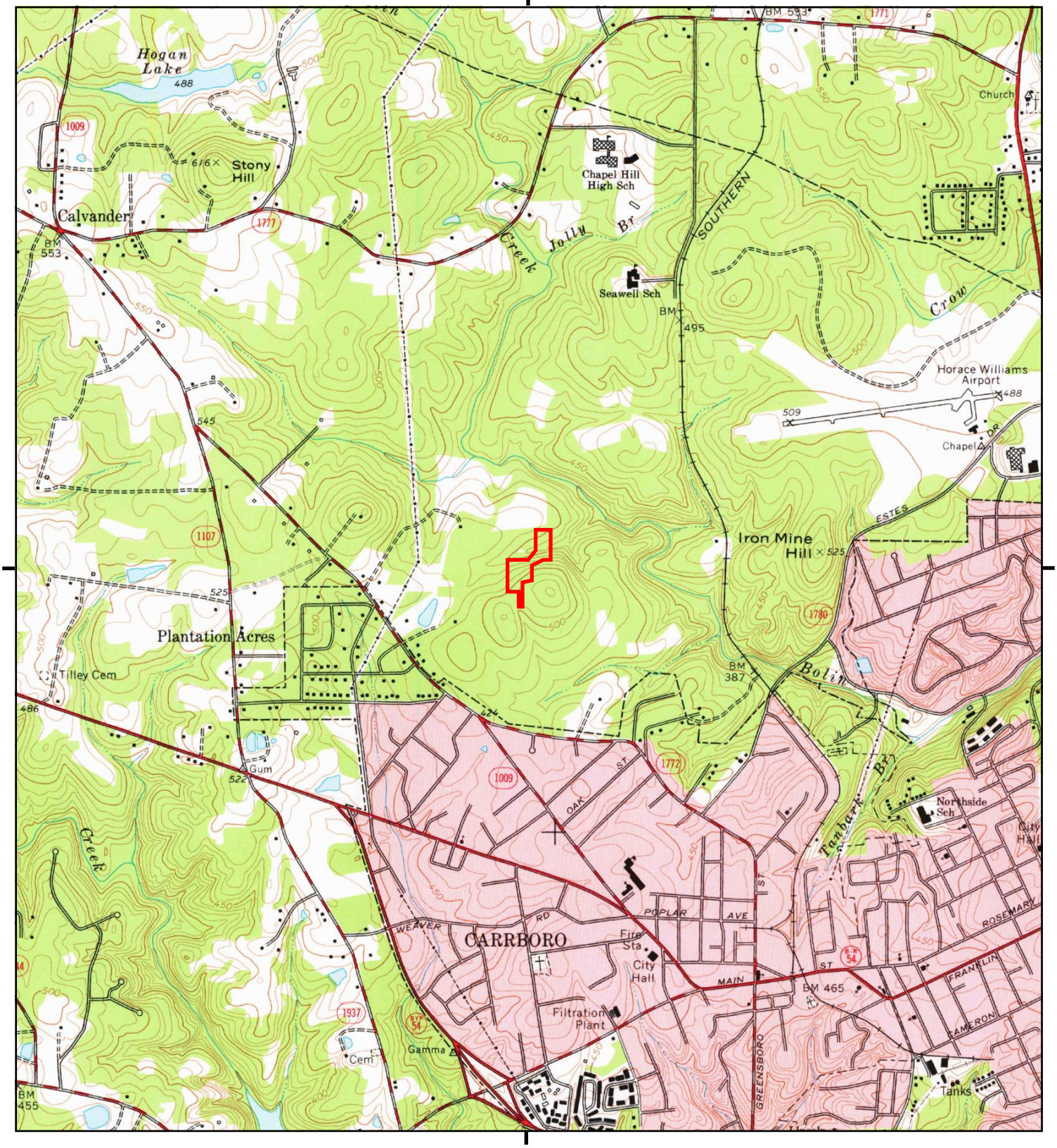
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1980, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

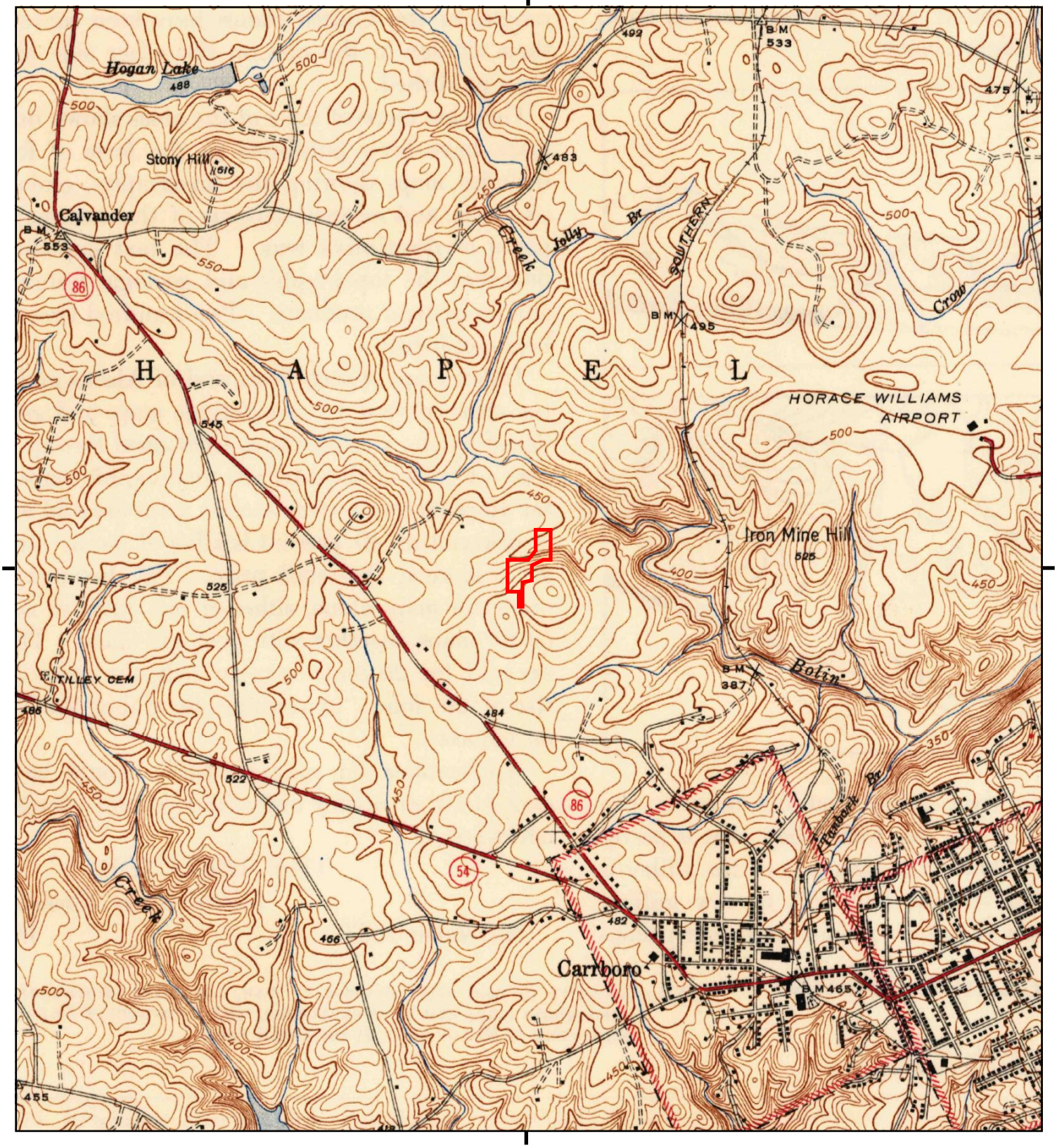
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1978, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

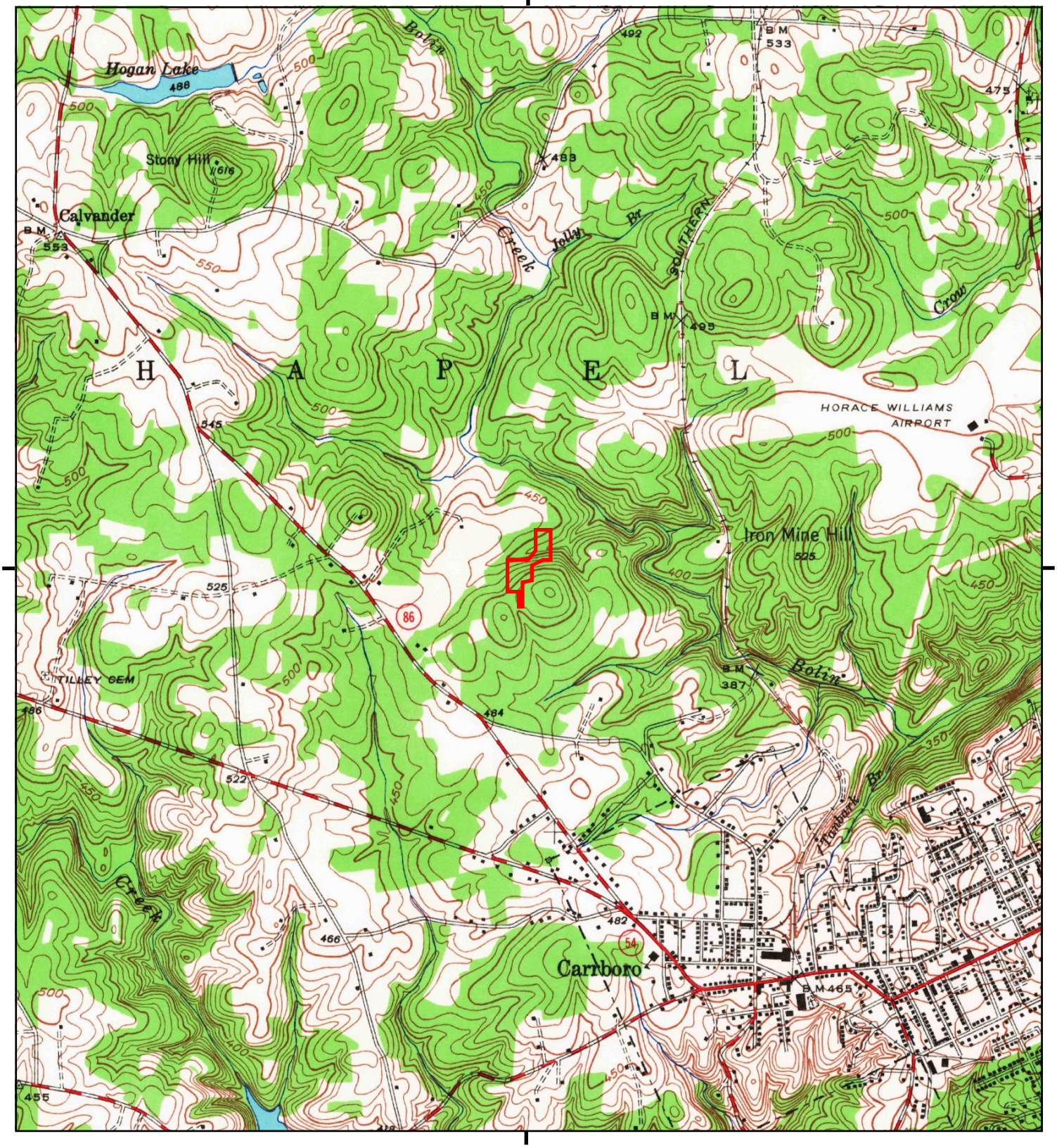
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1947, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1946, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.8

April 12, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/12/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.8

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1993	1"=500'	Acquisition Date: February 23, 1993	USGS/DOQQ
1983	1"=500'	Flight Date: April 04, 1983	NHAP
1975	1"=500'	Flight Date: November 16, 1975	USDA
1973	1"=500'	Flight Date: February 24, 1973	USGS
1964	1"=500'	Flight Date: September 15, 1964	USGS
1961	1"=500'	Flight Date: August 17, 1961	USGS
1955	1"=500'	Flight Date: March 30, 1955	USDA
1950	1"=500'	Flight Date: November 18, 1950	USGS
1938	1"=500'	Flight Date: April 28, 1938	USGS

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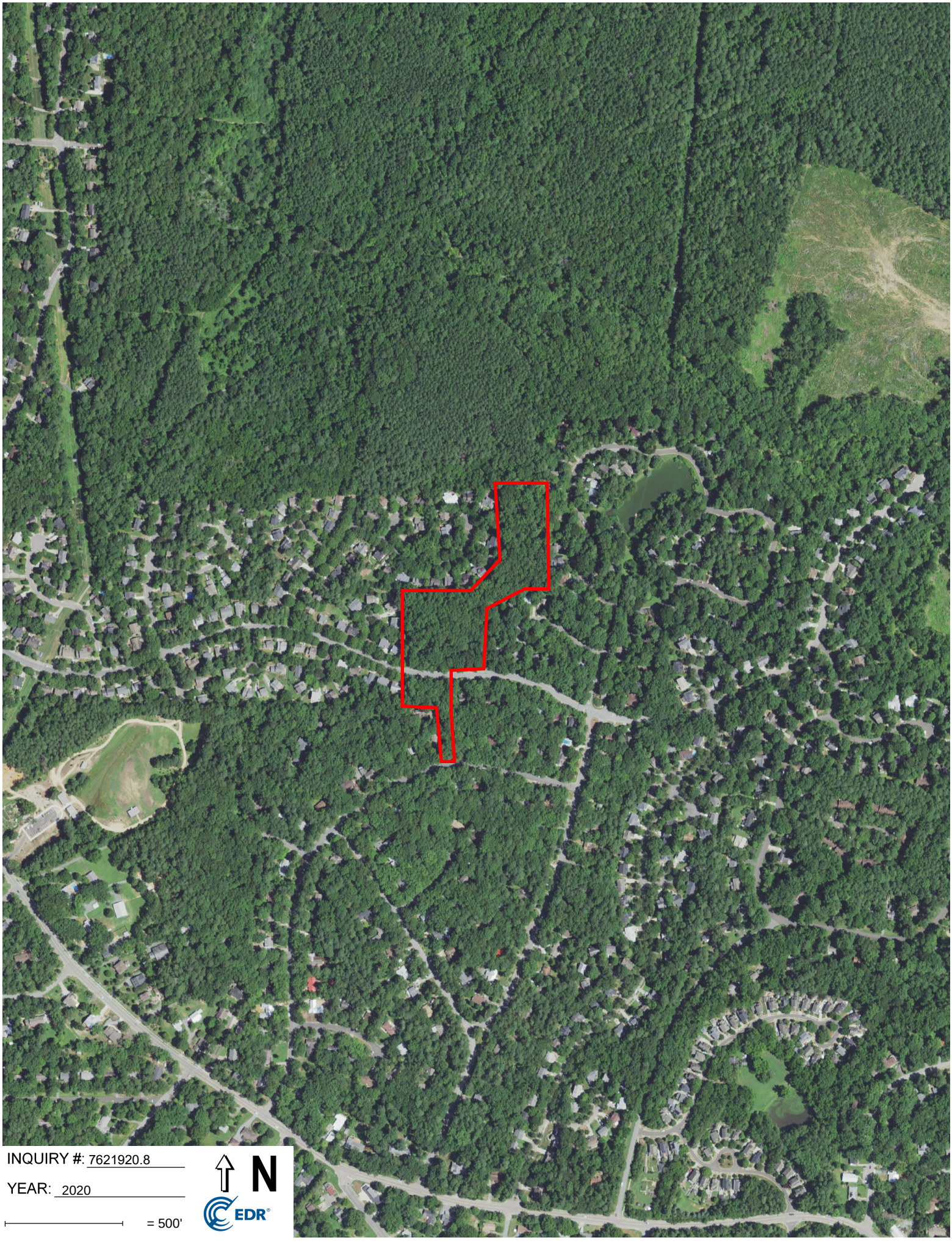
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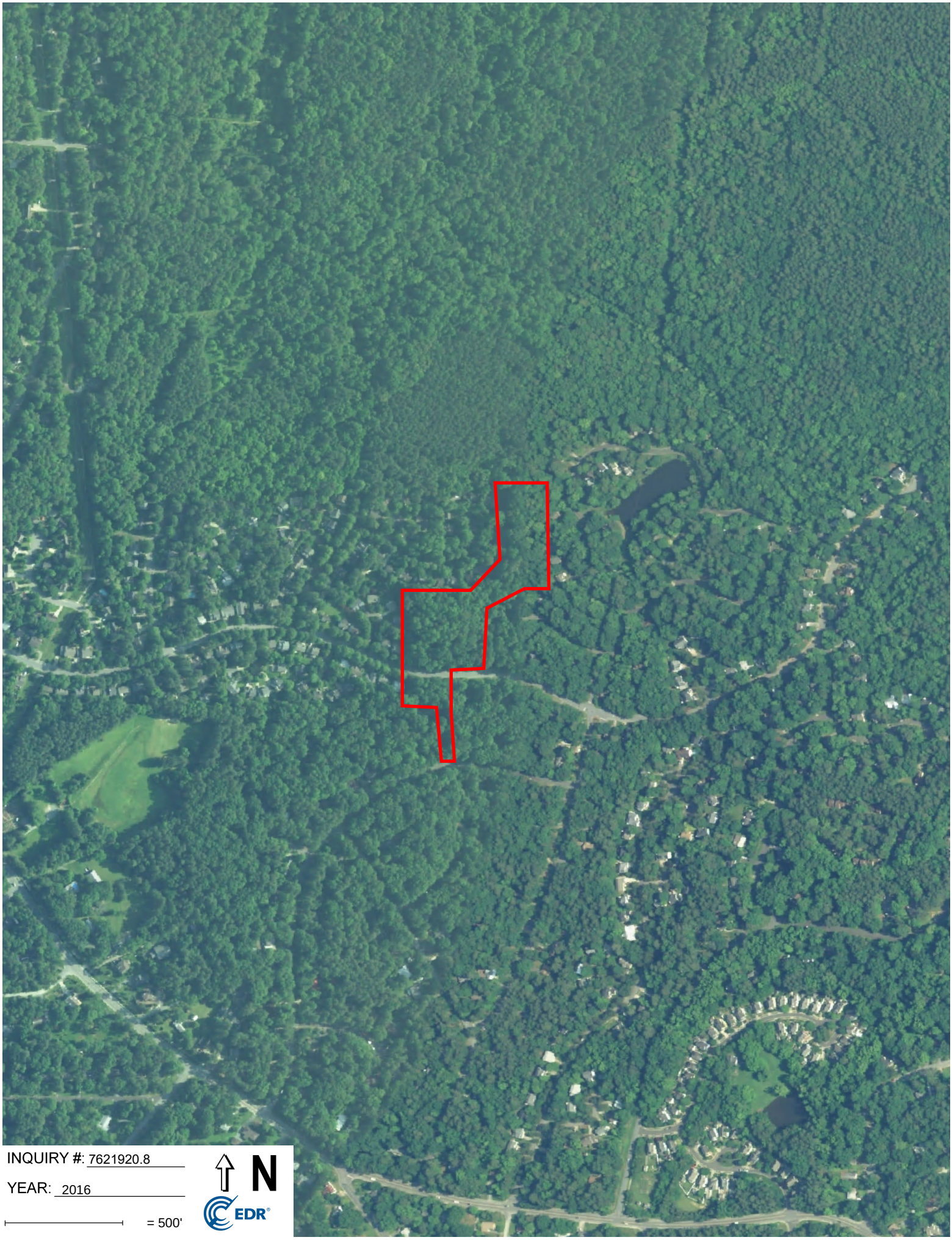
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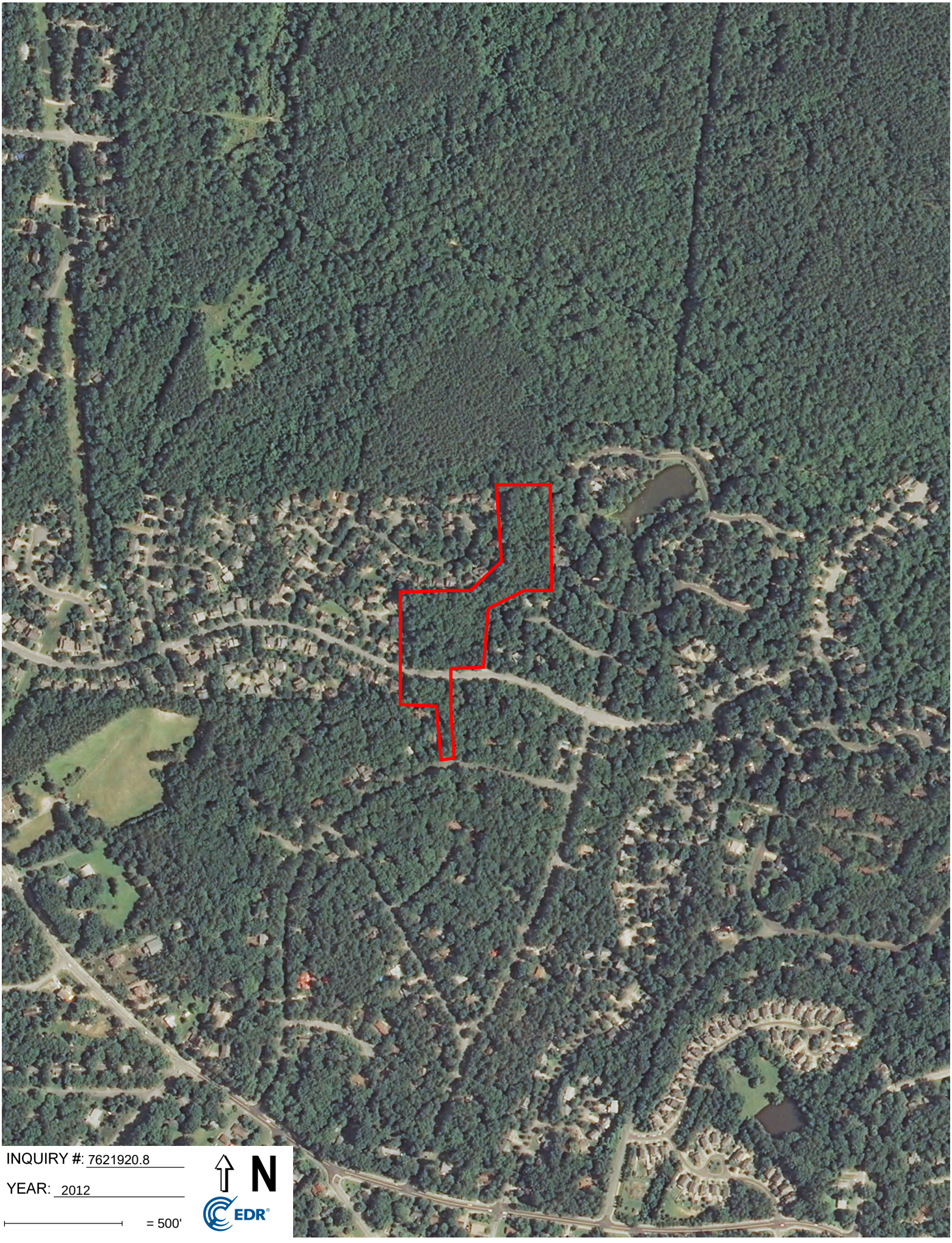
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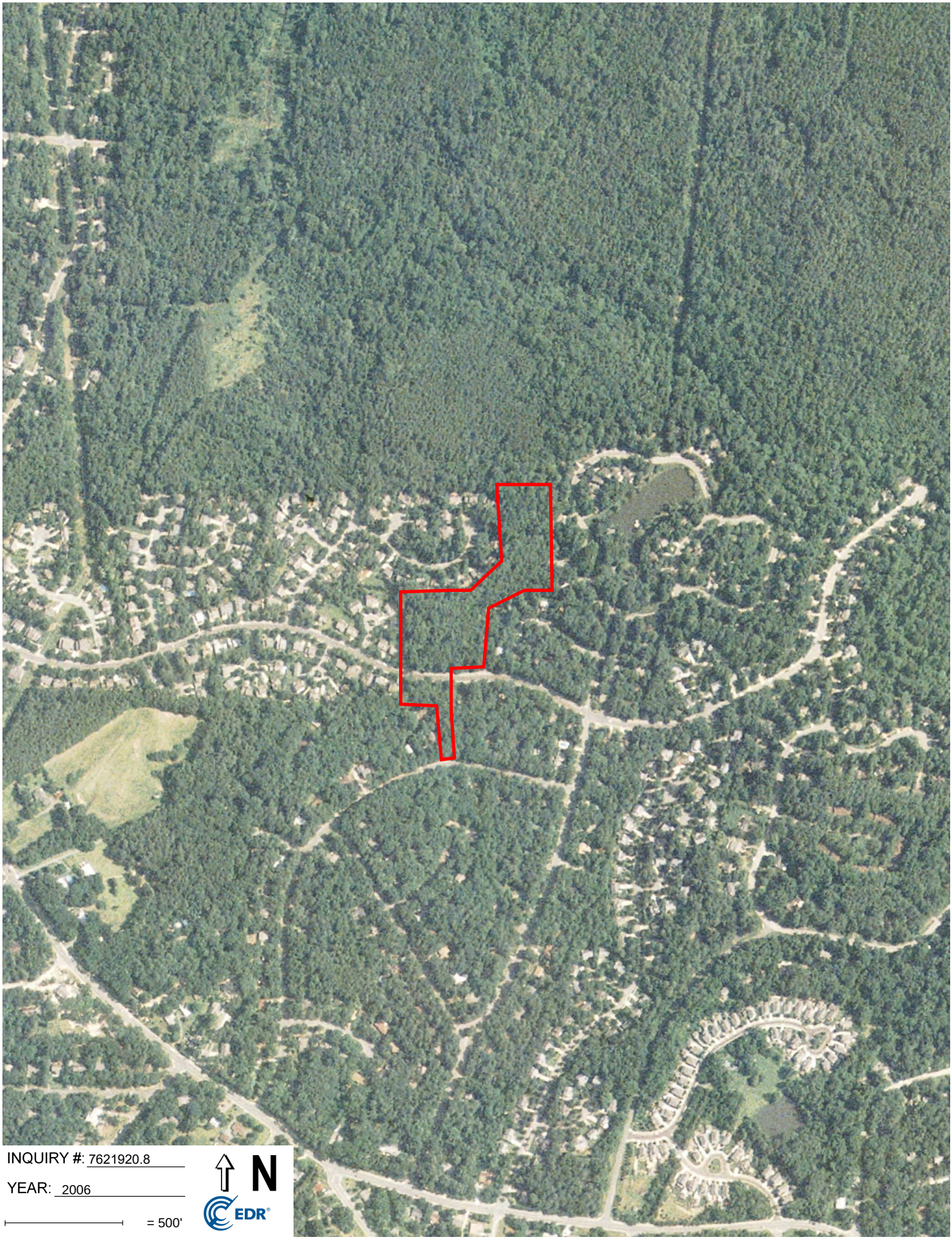
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YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2009
= 500'
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EDR


INQUIRY #: 7621920.8
YEAR: 2006
= 500'
N
EDR



INQUIRY #: 7621920.8

YEAR: 1999

= 500'

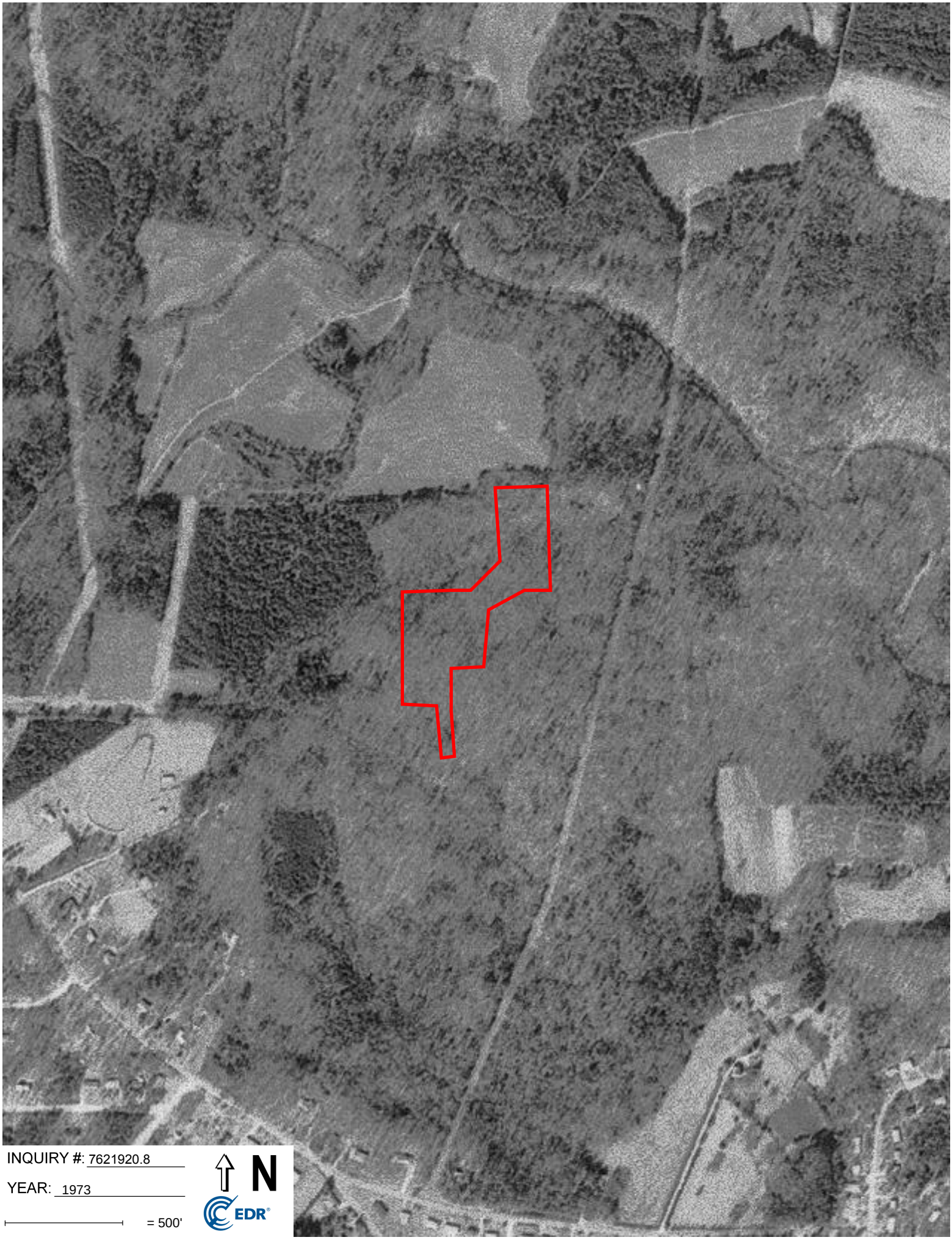
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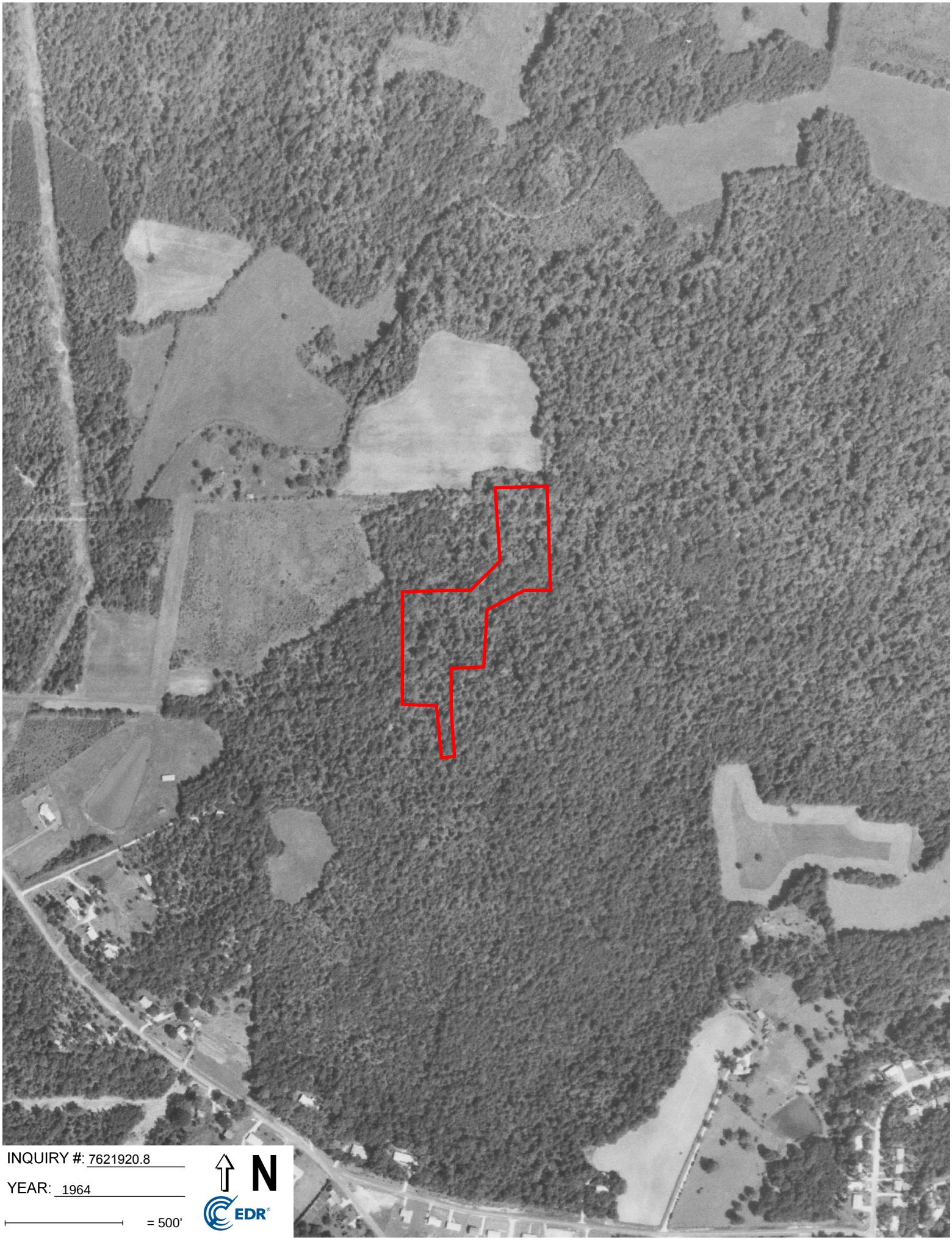
EDR


INQUIRY #: 7621920.8
YEAR: 1993
= 500'
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EDR


INQUIRY #: 7621920.8
YEAR: 1983
= 500'
N
EDR


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YEAR: 1975
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 1973
= 500'
N
EDR



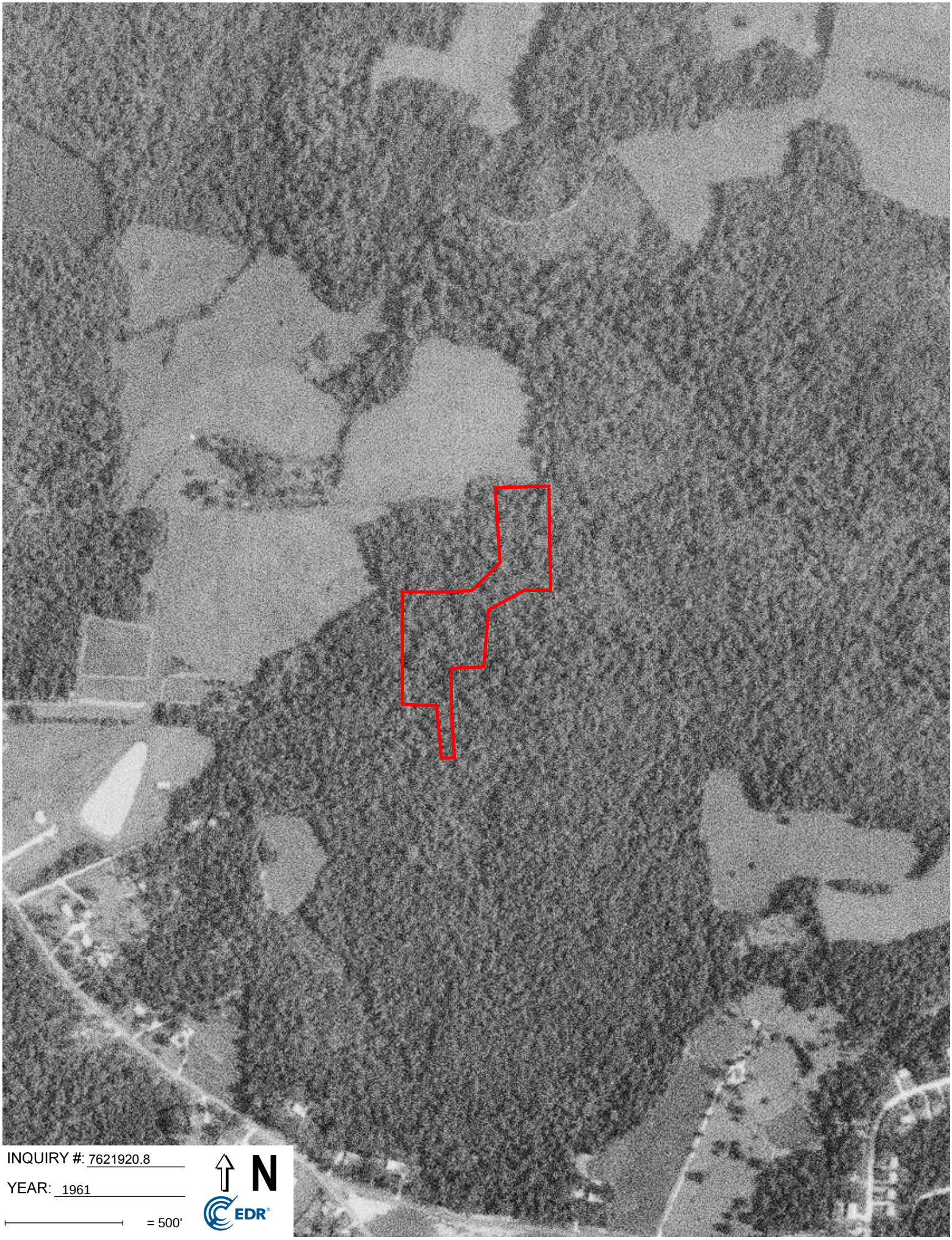
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YEAR: 1964

= 500'

N

EDR



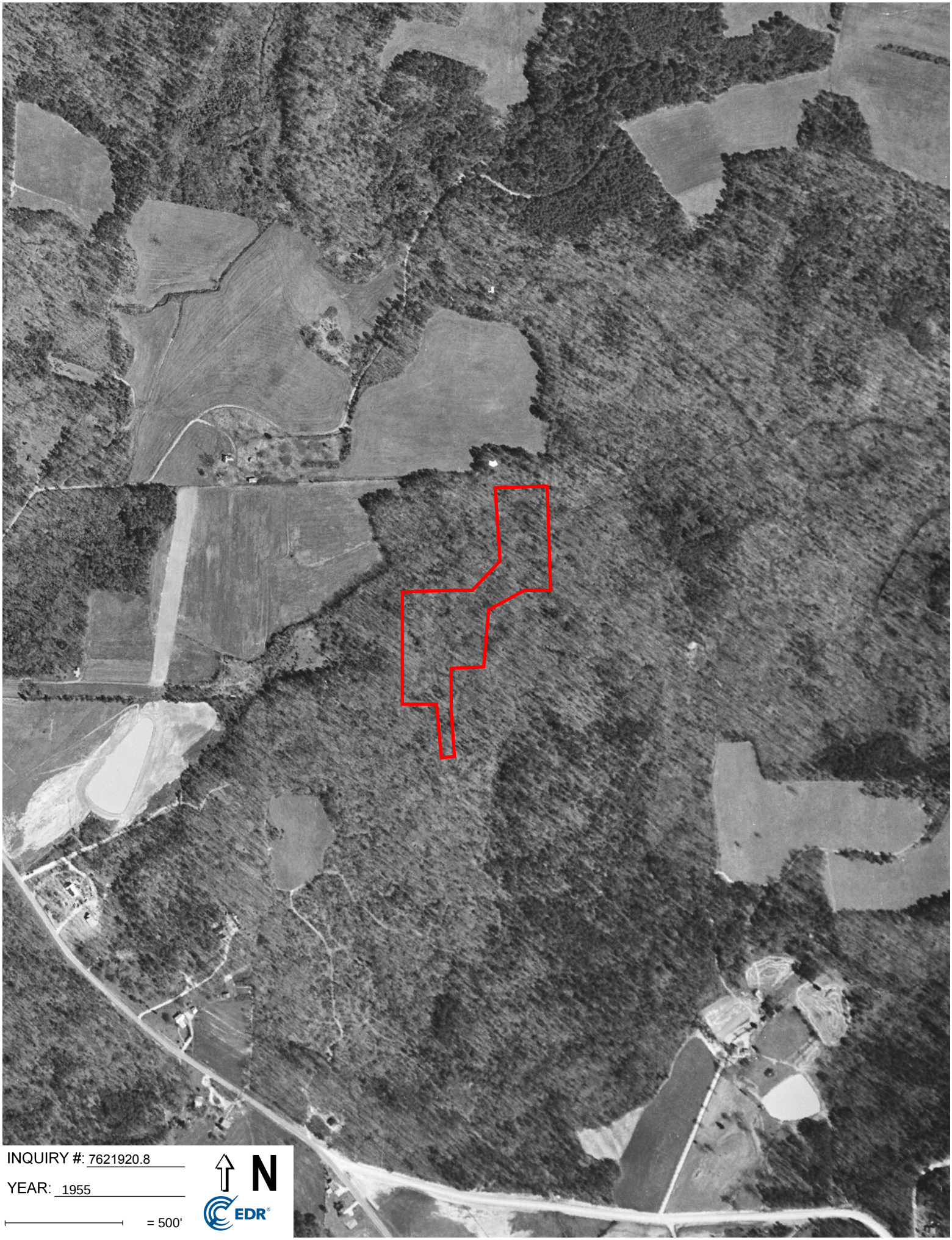
INQUIRY #: 7621920.8

YEAR: 1961

= 500'

N

EDR


INQUIRY #: 7621920.8
YEAR: 1955
= 500'
N
EDR



INQUIRY #: 7621920.8

YEAR: 1950

= 500'

N

EDR



INQUIRY #: 7621920.8

YEAR: 1938

= 500'

N

EDR

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.5
April 16, 2024

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2014	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2010	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2005	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2000	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1995	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1992	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1987	☐	☐	Polk's City Directory
1982	☐	☐	Polk's City Directory
1977	☐	☐	HILLS DIRECTORY CO.
1972	☐	☐	HILLS DIRECTORY CO.
1968	☐	☐	HILLS DIRECTORY CO.
1965	☐	☐	HILLS DIRECTORY CO.

EXECUTIVE SUMMARY

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Year	*CD Image*	*Source*	
PATHWAY DR			
2020	pg A1	EDR Digital Archive	
2017	pg A4	Cole Information	
2014	pg A5	Cole Information	
2010	pg A6	Cole Information	
2005	pg A7	Cole Information	
2000	pg A8	Cole Information	
1995	pg A9	Cole Information	
1992	pg A10	Cole Information	
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
SPRING VALLEY RD			
2020	pg. A2	EDR Digital Archive	
2017	-	EDR Digital Archive	Target and Adjoining not listed in Source
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PATHWAY DR 2020

1801	ELIZABETH OUDEJANS
	LUKAS OUDEJANS
1805	DAVID SALVESEN
	KATHLEEN CARLEY
	KELSEY SALVESEN
	SAM SALVESEN
1807	KEVIN GAYLOR
1809	KEVIN HUNT
	PERLA SAITZ
1811	CHRIS RAGAZZO
	GAIL RAGAZZO
	NATALIE RAGAZZO
	PHILLIP RAGAZZO
1813	AI WU
	MORTEN JENSEN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SPRING VALLEY RD 2020

102	BRIAN BURNS
	KATHERINE DICKSON
104	BRENDA WILLIAMS
	HEATHER TSIHLIS
	NICK TSIHLIS
105	DAISY VICKERS
	HADLEY VICKERS
	JAMES VICKERS
106	JAMES TRIER
	LOJEAN DELANEY
107	ASHLEY WEINBERGER
	CARY WEINBERGER
	DONNA PRATHER
	LEIGH HALL
	ROBIN WEINBERGER
108	SUZANNE MCCRAY
109	ANNA DE GUZMAN
	HAMAYUN AHMAD
	ORLANDO DEGUZMAN
110	ORRIN ROBBINS
111	ELLEN DEARDEN
112	CHERYL BEATTY
	LINDSAY DUBBS
	SARAH MILLER
113	DANIEL STERN
	LAUREN DUBOWSKI
	ROSEMARY BYRNES
114	ANNELIESE RUEGG
	KATHRYN GEHWEILER
115	LUCILLE RICHARDSON
116	DAVID UPCHURCH
	IRMA TEJADA
	MICHAEL TEJADA
117	JULIE FOSTER
	ROBERT FOSTER
200	HELEN BUISKOOL
	RICHARD PASCHAL
	ROY BUISKOOL
202	MARILYN PINSCHMIDT
	ROBERT PINSCHMIDT
204	GENEVA HOLLIDAY
206	SARAH CARROLL
208	CHRISTOPHER FLOYD
	CYNTHIA SCHAUER
	WALTER FLOYD
300	JENNA SCHWARTZ
301	JAMES MCADAM
	STEPHANIE MCADAM
	STEPHANIE MILLS
302	JUSTUS HEIZER

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SPRING VALLEY RD 2020 (Cont'd)

302	PATRICIA OWEN
	SARAH OWEN
	XAVIER MELA
303	JASON CHANCER
	PATRICIA CHANCER
	ROBIN CHANCER
304	DANIEL PARKS
	JEFFREY BADGETT
	STEEVIE PARKS
306	MARY RABINOWITZ
	SUSANNE MCCRACKEN
	SUSANNE SANDMEYER
308	BURNHAM JACKSON
	RICHARD CAPPELLETTI
310	DANA SMITH

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2017

1801	OUDEJANS, LUKAS J
1803	RAYMOND, SLATER
1805	SALVESEN, DAVID A
1807	GAYLOR, KEVIN W
1809	SAITZ, PERLA M
1811	RAGAZZO, PHIL M

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2014

1801	OUDEJANS, LUKAS J
1803	RAYMOND, SLATER
1805	SALVESEN, DAVID A
1807	GAYLOR, KEVIN W
1809	HUNT, KEVIN T
1811	RAGAZZO, PHIL M
1813	WU, AI J

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2010

1801	OUDEJANS, LUKAS J
1803	RAYMOND, TOD S
1805	CARLEY, KATHLEEN F
1807	GAYLOR, KEVIN W
1809	HUNT, KEVIN T
1811	RAGAZZO, PHIL M
1813	JENSEN, MORTEN B

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2005

1801	OCONNOR, TOM A
1803	RAYMOND, TOD S
1805	SALVESEN, DAVID M
1807	GAYLOR, KEVIN W
1809	NOLTING, MARK N
1811	RAGAZZO, PHIL M
1813	WARNER, HARRIET I

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2000

1803	RAYMOND, TOD S
1807	LADA, SAMUEL J
	TILLOTSON, GARRETT
1809	NOLTING, MARK
1811	RAGAZZO, PHIL
1813	TRACHTENBERG, REBECCA R
2210	GOLDMAN SAM

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 1995

1801	HARDY, DAVID
	WILLIAMSON, ALETHEA
1803	DELVERS, MARCUS
1807	GAYLOR, KEVIN W
	HANNAH, DEL
1809	NOLTING, MARK
1810	RAGAZZO, PHIL
1811	OCCUPANT UNKNOWNN
1813	CLARK, BRONSON P
	WARNER, HARRIET
1815	WEHBIE, ROBERT

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 1992

1801	STIFFLER, STEVE
1803	HELTON, M
	NOAH, T L
1805	MARGOLIS, PETER
1807	GAYLOR, KEVIN W
1809	NOLTING, MARK
1811	RAGAZZO, PHIL
1813	WARNER, HARRIET

Appendix D:

Regulatory Records

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.2s
April 11, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9281480 - 35° 55' 41.33''
Longitude (West):	79.0844540 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CHEVRON CONSTRUCTION	200 WATERSIDE DR	EDR Hist Auto	Lower	614, 0.116, ENE
A2	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	LUST, LUST TRUST	Lower	1738, 0.329, SW
A3	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	IMD	Lower	1738, 0.329, SW
B4	CLARENCE & MARGY MCF	703 HILLSBOROUGH ROA	LUST, INST CONTROL	Lower	1883, 0.357, SSW
B5	HARWARD PROPERTY (SH	1802 N. GREENSBORO S	LUST, LUST TRUST	Lower	1923, 0.364, South
6	CHEEK RESIDENTIAL OI	100-B MILTON DR	LUST, LUST TRUST	Lower	2271, 0.430, SSE
7	BROWNING PROPERTY	105 SIMPSON STREET	LUST, LUST TRUST	Lower	2338, 0.443, SSW
C8	PHILIP EASLER RESIDE	103 PHIPPS ST	LUST, ASBESTOS	Lower	2557, 0.484, SSW
C9	REDFOOT PROPERTY, RI	105 PHIPPS STREET	LUST, LUST TRUST, INST CONTROL	Lower	2573, 0.487, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS..... Hazardous Substance Disposal Site

Lists of state- and tribal hazardous waste facilities

SHWS..... Inactive Hazardous Sites Inventory

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory
DEBRIS..... Solid Waste Active Disaster Debris Sites Listing
LCID..... Land-Clearing and Inert Debris (LCID) Landfill Notifications

Lists of state and tribal leaking storage tanks

LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Petroleum Underground Storage Tank Database
AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP..... Responsible Party Voluntary Action Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Solid Waste Facility Listing
SWRCY..... Recycling Center Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills Incident Listing
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System

EXECUTIVE SUMMARY

ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
PFAS NPL Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES Federal Sites PFAS Information
PFAS TSCA PFAS Manufacture and Imports Information
PFAS TRIS List of PFAS Added to the TRI
PFAS RCRA MANIFEST PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR PFAS Contamination Site Location Listing
PFAS WQP Ambient Environmental Sampling for PFAS
PFAS NPDES Clean Water Act Discharge Monitoring Information
PFAS ECHO Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC Aqueous Foam Related Incidents Listing
BIOSOLIDS ICIS-NPDES Biosolids Facility Data
PFAS PFAS Contamination Site Listing
AIRS Air Quality Permit Listing
ASBESTOS Asbestos Permits & Notifications Information
CCB Coal Ash Structural Fills (CCB) Listing
COAL ASH Coal Ash Disposal Sites
DRYCLEANERS Drycleaning Sites
Financial Assurance Financial Assurance Information Listing
NPDES NPDES Facility Location Listing
PCSRP Petroleum-Contaminated Soil Remediation Permits
SEPT HAULERS Permitted Septage Haulers Listing
UIC Underground Injection Wells Listing
AOP Animal Operation Permits Listing
UST FINDER RELEASE UST Finder Releases Database
UST FINDER UST Finder Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Incident Phase: CO Incident Number: 26807 Current Status: File Located in Archives	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
CLARENCE & MARGY MCF Incident Phase: CO Incident Number: 46238 Current Status: File Located in House	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***12***
HARWARD PROPERTY (SH Incident Phase: CO Incident Number: 33499 Current Status: File Located in Archives	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***14***
CHEEK RESIDENTIAL OI Incident Phase: CO Incident Number: 33917 Current Status: File Located in House	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***16***
BROWNING PROPERTY Incident Phase: CO Incident Number: 39421 Current Status: File Located in House	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***17***
PHILIP EASLER RESIDE Incident Number: 46383 Current Status: File Located in House	***103 PHIPPS ST***	***SSW 1/4 - 1/2 (0.484 mi.)***	***C8***	***19***
REDFOOT PROPERTY, RI Incident Phase: CO Incident Number: 39529 Current Status: File Located in House	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 5 LUST TRUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Site ID: 26807	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
HARWARD PROPERTY (SH Site ID: 33499	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***14***
CHEEK RESIDENTIAL OI Site ID: 33917	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***16***
BROWNING PROPERTY Site ID: 39421	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***17***
REDFOOT PROPERTY, RI Site ID: 39529	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring.

A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARENCE & MARGY MCF	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***12***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Facility Id: 26807	904 HILLSBOROUGH ROA	SW 1/4 - 1/2 (0.329 mi.)	A3	10

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

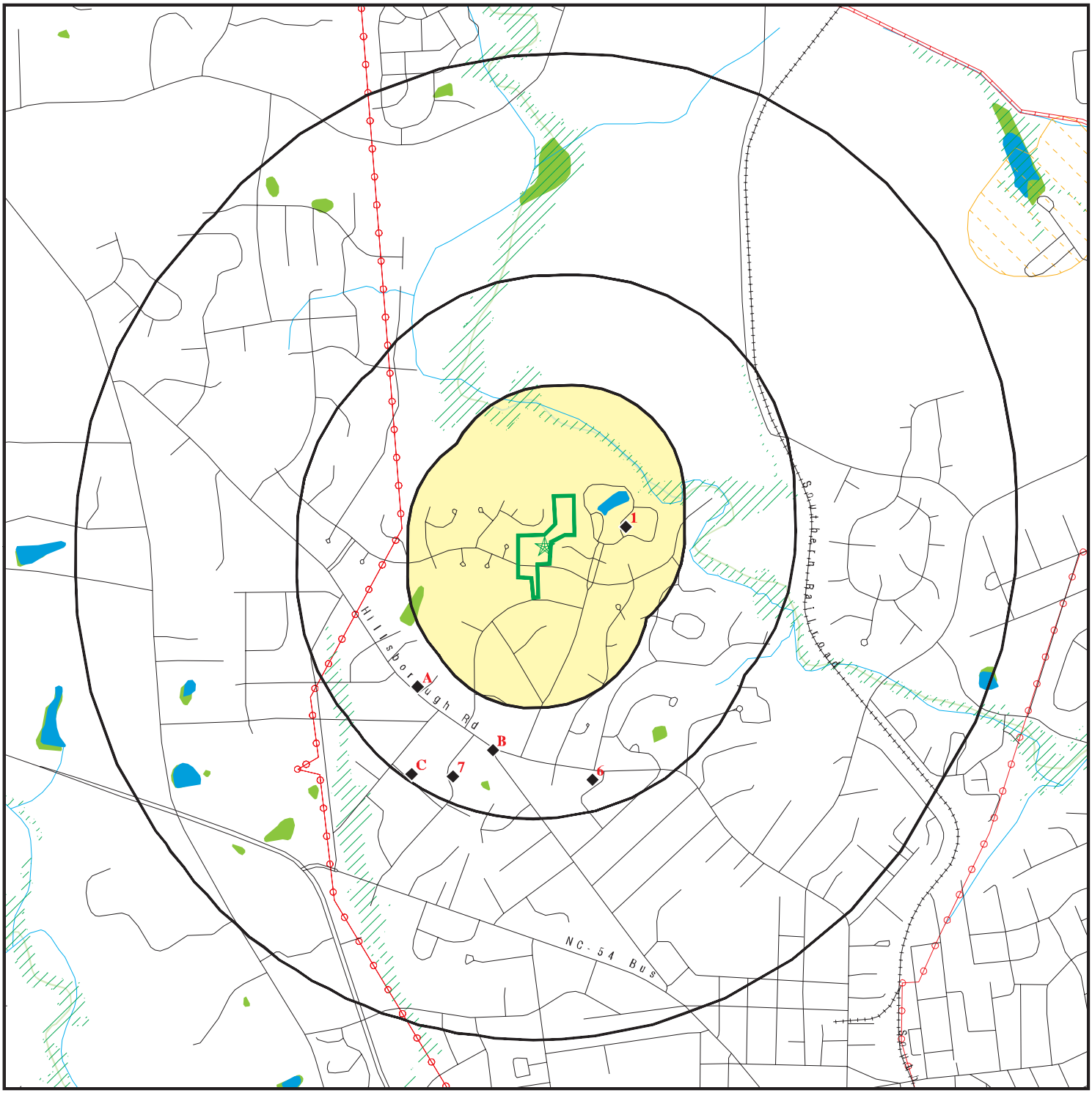
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON CONSTRUCTION	200 WATERSIDE DR	ENE 0 - 1/8 (0.116 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7621920.2S



0 1/4 1/2 1 Miles

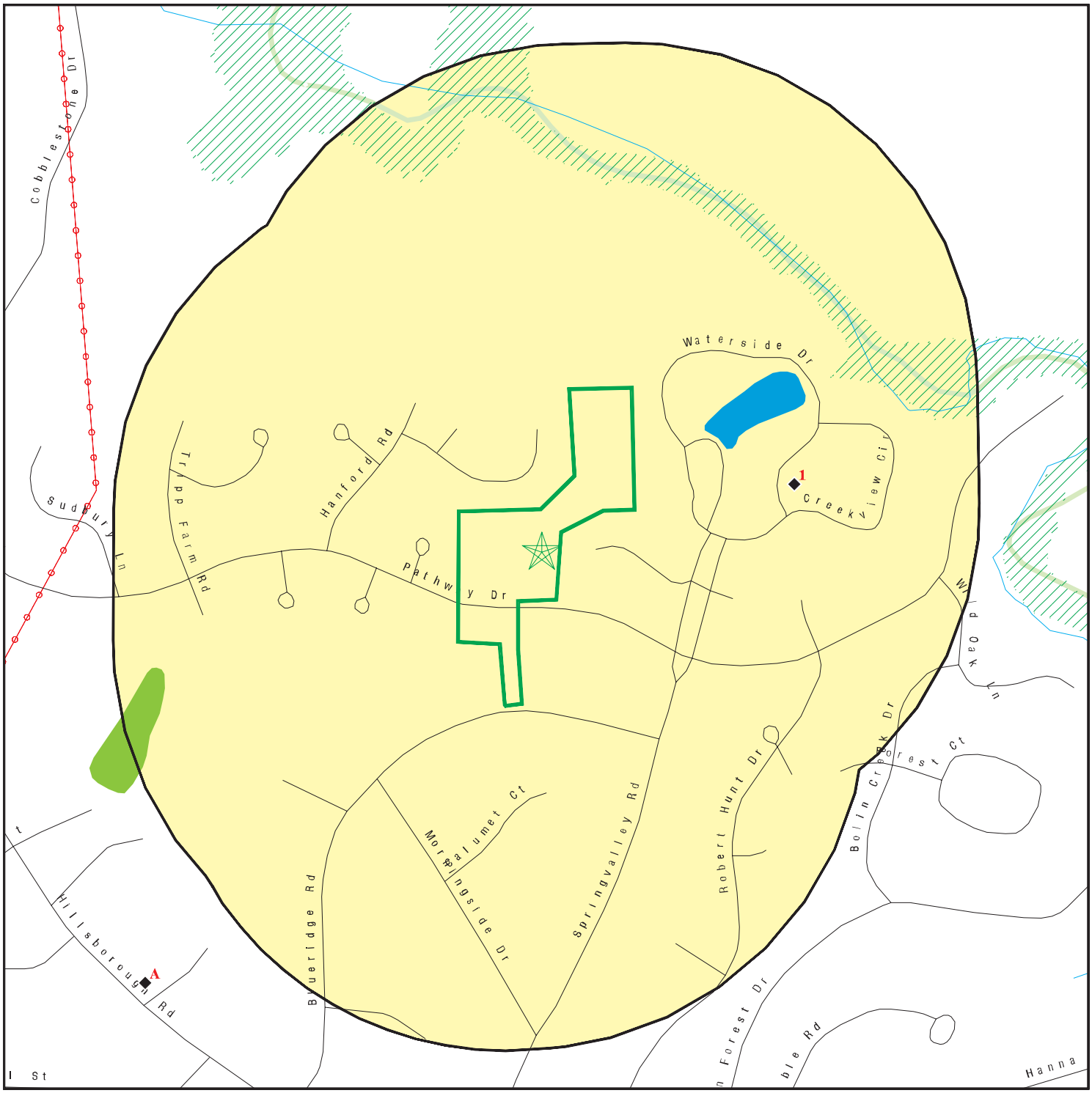
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
		INQUIRY #:	7621920.2s
LAT/LONG:	35.928148 / 79.084454	DATE:	April 11, 2024 5:11 pm

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DETAIL MAP - 7621920.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pathway Drive	CLIENT: Summit Design & Engineering Services
ADDRESS: 1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT: Aaron Gross
LAT/LONG: 35.928148 / 79.084454	INQUIRY #: 7621920.2s DATE: April 11, 2024 5:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	7	NR	NR	7
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	5	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	2	NR	NR	2
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	0	1	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	0	15	0	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ENE
< 1/8
0.116 mi.
614 ft.

CHEVRON CONSTRUCTION CORP — **EDR Hist Auto** — **1021207407**
200 WATERSIDE DR — **N/A**
CARRBORO, NC 27510

Relative:
Lower

Actual:
452 ft.

EDR Hist Auto

Year:	Name:	Type:
2001	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC
2002	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC
2003	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC

A2
SW
1/4-1/2
0.329 mi.
1738 ft.

RESNICK PROPERTY, JARED — **LUST** — **S107525976**
904 HILLSBOROUGH ROAD — **LUST TRUST** — **N/A**
CHAPEL HILL, NC 27516

Site 1 of 2 in cluster A

Relative:
Lower

Actual:
486 ft.

LUST:

Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH ROAD
City,State,Zip:	CHAPEL HILL, NC 27516-
Facility ID:	Not reported
UST Number:	RA-5263
Incident Number:	26807
Source Type:	3
Date Reported:	03/15/2005
Closure Request:	Not reported
Close Out:	04/28/2005
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	306
Reel Num:	198
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF

RESNICK PROPERTY, JARED (Continued) **S107525976**

Company:	JARED RESNICK
Telephone:	9194184694
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5263
Facility Id:	26807
Date Occurred:	2005-03-10 00:00:00
Date Reported:	2005-03-15 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	U
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26807
Last Modified:	4/28/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH RD
City,State,Zip:	CHAPEL HILL, NC
Facility ID:	Not reported
Site ID:	26807
Site Note:	Noncommercial. 100% eligible. 0 deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

A3
SW
1/4-1/2
0.329 mi.
1738 ft.

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC

Site 2 of 2 in cluster A

IMD **S106896203**
N/A

Relative:
Lower

Actual:
486 ft.

IMD:

Facility ID:	26807
Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH ROAD
City,State,Zip:	CHAPEL HILL, NC
Date Occurred:	3/10/2005
Submit Date:	3/15/2005
Incident Desc:	HEATING OIL RELEASE
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported

RESNICK PROPERTY, JARED (Continued) **S106896203**

Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9194184694
Owner Company:	JARED RESNICK
Operator Address:	904 HILLSBOROUGH ROAD
Operator City,State,Zip:	CHAPEL HILL, NC 27516-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM

Status:

Facility ID:	26807
Last Modified:	2005-04-28 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

B4
SSW
1/4-1/2
0.357 mi.
1883 ft.

CLARENCE & MARGY MCFARLING UST
703 HILLSBOROUGH ROAD
CARRBORO, NC 27510

Site 1 of 2 in cluster B

LUST **S121425758**
INST CONTROL **N/A**

Relative:
Lower

Actual:
480 ft.

LUST:

Name:	CLARENCE & MARGY MCFARLING UST
Address:	703 HILLSBOROUGH ROAD
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8160
Incident Number:	46238
Source Type:	3
Date Reported:	01/09/2017
Closure Request:	Not reported
Close Out:	02/08/2018
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	01/09/2018
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	9199425226
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8160
Facility Id:	46238
Date Occurred:	2017-11-11 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

CLARENCE & MARGY MCFARLING UST (Continued) **S121425758**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	7
Source:	A
UST Number:	P

LUST:

Incident Number:	46238
Last Modified:	2/8/2018
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	CLARENCE & MARGY MCFARLING UST
Address:	703 HILLSBOROUGH ROAD
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8160
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2018-01-08 00:00:00
Restricted Media:	Groundwater Only
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 1-8-2018
Plat:	Not reported
Plat Date:	Not reported

CLARENCE & MARGY MCFARLING UST (Continued) **S121425758**

X Coord: 1974133.8405341357
Y Coord: 790367.1428826451

B5 **HARWARD PROPERTY (SHANNON)** **LUST** **S109034075**
South **1802 N. GREENSBORO STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27516**
0.364 mi.
1923 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
477 ft.

LUST:

Name:	HARWARD PROPERTY (SHANNON)
Address:	1802 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27516
Facility ID:	Not reported
UST Number:	RA-5951
Incident Number:	33499
Source Type:	3
Date Reported:	12/12/2007
Closure Request:	Not reported
Close Out:	05/02/2008
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	69
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Y
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9198243683
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5951
Facility Id:	33499

HARWARD PROPERTY (SHANNON) (Continued) **S109034075**

Date Occurred:	2007-12-12 00:00:00
Date Reported:	2007-12-12 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	33499
Last Modified:	5/2/2008
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HARWARD PROPERTY (SHANNON)
Address:	1802 N. GREENSBORO ST
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33499
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 8/25/08]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

6
SSE
1/4-1/2
0.430 mi.
2271 ft.

CHEEK RESIDENTIAL OIL SPILL
100-B MILTON DR
CARRBORO, NC 27510

LUST
LUST TRUST

S110630013
N/A

Relative:
Lower

Actual:
478 ft.

LUST:

Name:	CHEEK RESIDENTIAL OIL SPILL
Address:	100-B MILTON DR
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-6764
Incident Number:	33917
Source Type:	3
Date Reported:	09/28/2010
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	S
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CCW
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-6764
Facility Id:	33917
Date Occurred:	2010-09-28 00:00:00
Date Reported:	2010-09-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

CHEEK RESIDENTIAL OIL SPILL (Continued) **S110630013**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	8
Cause:	1
Source:	A
UST Number:	P

LUST:

Incident Number:	33917
Last Modified:	Not reported
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	CHEEK RESIDENTIAL OIL SPILL
Address:	100-B MILTON DR
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33917
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 2/27/12] Per letter dated 11/12/13, eligibility was transferred to Ms. Pamela C. Wagoner for work conducted on and after 7/7/13. [CGS 11/12/13]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

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7 **BROWNING PROPERTY** **LUST** **S114020675**
SSW **105 SIMPSON STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.443 mi.
2338 ft.

Relative: **Lower**

Actual: **477 ft.**

LUST:

Name:	BROWNING PROPERTY
Address:	105 SIMPSON STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported

BROWNING PROPERTY (Continued) **S114020675**

UST Number:	RA-7299
Incident Number:	39421
Source Type:	3
Date Reported:	09/09/2013
Closure Request:	Not reported
Close Out:	02/11/2014
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	NA
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7299
Facility Id:	39421
Date Occurred:	2013-08-23 00:00:00
Date Reported:	2013-09-09 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported

BROWNING PROPERTY (Continued) **S114020675**

Source Code: Not reported
Err Type: 2
Cause: 7
Source: G
UST Number: P

LUST:
Incident Number: 39421
Last Modified: 2/11/2014
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Name: BROWNING PROPERTY
Address: 105 SIMPSON STREET
City,State,Zip: CARRBORO, NC
Facility ID: Not reported
Site ID: 39421
Site Note: Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 6/24/14]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 2000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

C8 **PHILIP EASLER RESIDENCE** **LUST** **S123084430**
SSW **103 PHIPPS ST** **ASBESTOS** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.484 mi.
2557 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
470 ft.

LUST:
Name: PHILIP EASLER RESIDENCE
Address: 103 PHIPPS ST
City,State,Zip: CARRBORO, NC 27510
Facility ID: Not reported
UST Number: RA-8310
Incident Number: 46383
Source Type: 3
Date Reported: 09/19/2018
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N

PHILIP EASLER RESIDENCE (Continued) **S123084430**

Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	S
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8310
Facility Id:	46383
Date Occurred:	2018-09-19 00:00:00
Date Reported:	2018-09-25 00:00:00
Owner/Operator:	Not reported
Ownership:	Not reported
Operation Type:	Not reported
Type:	Not reported
Location:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

ASBESTOS:

PHILIP EASLER RESIDENCE (Continued) **S123084430**

Name:	RESIDENCE - 103 PHIPPS STREET
Address:	103 PHIPPS STREET
City,State,Zip:	CARRBORO, NC
Permit Number:	NC35463
NESHAP Number:	69765
Contractor:	Remtech Environmental LLC
Owner Name:	Lauren Hart
Phone:	(919) 201-2101
Removal Start Date:	06-06-23
Removal End Date:	06-14-23
Demo Start Date:	Not reported
Demo End Date:	Not reported
Linear Feet:	0
Square Feet:	1,890
Cubic Feet:	0
Type:	R

C9 **REDFOOT PROPERTY, RICHARD** **LUST** **S116491537**
SSW **105 PHIPPS STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO39536, NC 27510** **INST CONTROL**
0.487 mi.
2573 ft. **Site 2 of 2 in cluster C**

Relative: LUST:
Lower

Actual:
470 ft.

Name:	REDFOOT PROPERTY, RICHARD
Address:	105 PHIPPS STREET
City,State,Zip:	CARRBORO39536, NC 27510
Facility ID:	Not reported
UST Number:	RA-7405
Incident Number:	39529
Source Type:	3
Date Reported:	02/28/2014
Closure Request:	Not reported
Close Out:	02/14/2014
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	05/30/2014
GPS Confirmed:	20
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False

REDFOOT PROPERTY, RICHARD (Continued) **S116491537**

RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7405
Facility Id:	39529
Date Occurred:	2014-02-28 00:00:00
Date Reported:	2014-02-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	7
Source:	G
UST Number:	P

LUST:

Incident Number:	39529
Last Modified:	2/14/2014
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	REDFOOT PROPERTY, RICHARD
Address:	105 PHIPPS STREET
City,State,Zip:	CARRBORO 39536, NC
Facility ID:	Not reported
Site ID:	39529
Site Note:	Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is

REDFOOT PROPERTY, RICHARD (Continued) **S116491537**

reached. Then reimburse at 100%. [CGS 8/25/14]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 2000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

INST CONTROL:
Name: REDFOOT PROPERTY, RICHARD
Address: 105 PHIPPS STREET
City,State,Zip: CARRBORO39536, NC
Project Number: RA-7405
Object ID: Not reported
DWM Contact: Raleigh Regional Office (919) 791-4200
DWM Program: Underground Storage Tank Section
Project Status: No Further Action
COC: Multi COC
Contamination Source: UST System
Received Date: 2014-05-29 00:00:00
Restricted Media: Multi-Media
Allowed Use: Media Restrictions Only
Certification: None
Plant Reception Date: Not reported
Instrument Status: Effective
Deed BK: Not reported
Deed PG: Not reported
Plat BK: Not reported
Plat PG: Not reported
Instrument: Notice and Restriction
Deed: Not reported
Deed Date: Recorded 5-29-2014
Plat: Not reported
Plat Date: Not reported
X Coord: 1973410.9965073913
Y Coord: 789934.6142201424

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DEBRIS: Solid Waste Active Disaster Debris Sites Listing

NCDEQ Division of Waste Management Solid Waste Section Temporary Disaster Debris Staging Site (TDDSS) Locations which are available to be activated in a disaster or emergency.. Disaster Debris Sites can only be used for temporary disaster debris storage if the site's responsible party activates the site for use by notifying the NCDEQ DWM Solid Waste Section staff during an emergency

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 919-707-8247
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

LCID: Land-Clearing and Inert Debris (LCID) Landfill Notifications
A list all of the Land-Clearing and Inert Debris (LCID) Landfill Notification facilities (under 2 acres in size) in North Carolina.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-707-8200
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 83

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86
Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 83
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 01/31/2022
Date Data Arrived at EDR: 02/02/2022
Date Made Active in Reports: 04/29/2022
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 10/28/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/08/2024
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-807-6308
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment and Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing
List of PFAS facilities

Date of Government Version: 05/18/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/08/2022
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-8233
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

AIRS: Air Quality Permit Listing
A listing of facilities with air quality permits.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/04/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 919-707-8726
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

ASBESTOS: Asbestos Permits & Notifications Information
Asbestos notification sites

Date of Government Version: 01/31/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 03/11/2024
Number of Days to Update: 34

Source: Department of Health & Human Services
Telephone: 919-707-5973
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CCB: Coal Ash Structural Fills (CCB) Listing
These are not permitted Coal Ash landfills A list all of the now closed Coal Ash Structural Fills (CCB) in North Carolina, in point data form. The purpose is to provide the public and other government entities a visual overview of coal ash structural fills throughout the state and increase public awareness of their current locations.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 07/02/2021
Date Made Active in Reports: 09/27/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 03/05/2024
Number of Days to Update: 89

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23
Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 4
Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 03/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/10/2024
Number of Days to Update: 77
Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 01/24/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PCSRP: Petroleum-Contaminated Soil Remediation Permits
To treat petroleum-contaminated soil in order to protect North Carolinaa??s environment and the health of the citizens of North Carolina.

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 74
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

SEPT HAULERS: Permitted Septage Haulers Listing
This list of all active and permitted Septage Land Application Site (SLAS) and Septage Detention and Treatment Facility (SDTF) sites in North Carolina. The purpose of this map is to provide the public and government entities a visual overview of the businesses that manage septage and septage facilities throughout the state.

Date of Government Version: 12/09/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/21/2024
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 08/29/2023
Date Data Arrived at EDR: 08/31/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PATHWAY DRIVE
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.928148 - 35° 55' 41.33''
Longitude (West):	79.084454 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

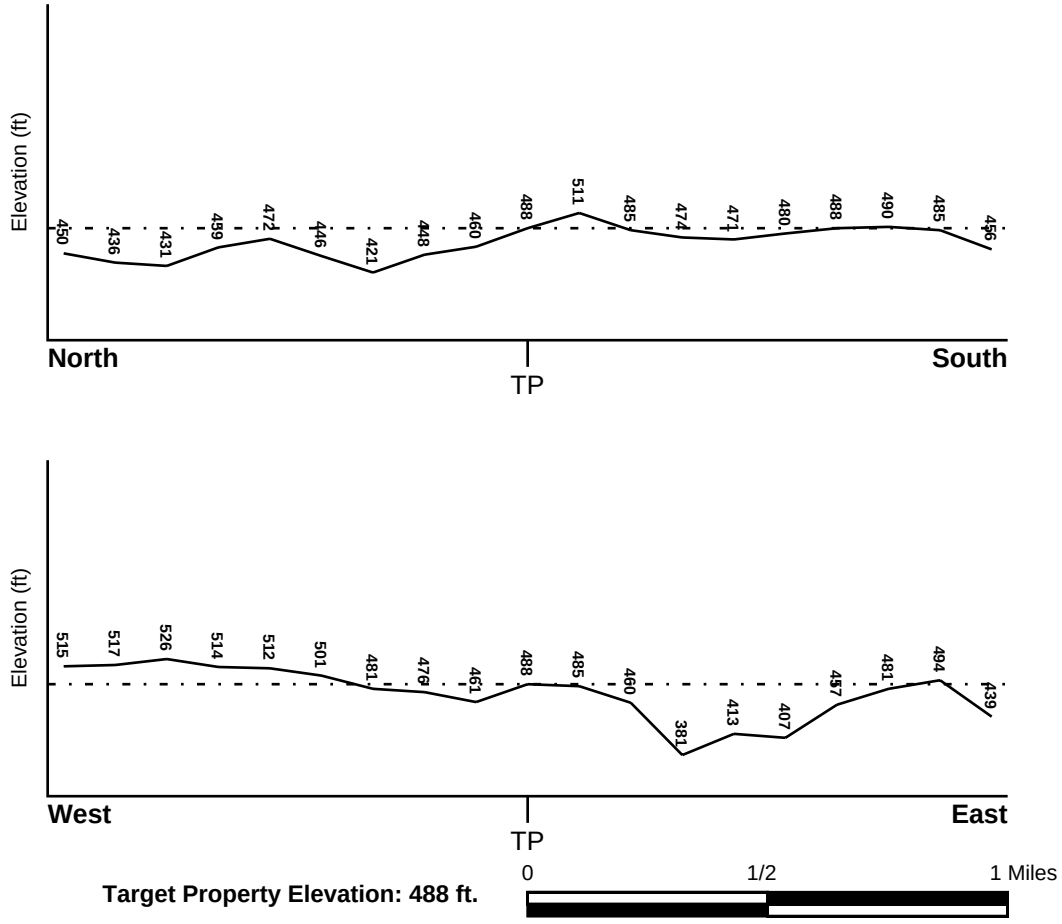
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977900J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710976900J	FEMA FIRM Flood data
3710977800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

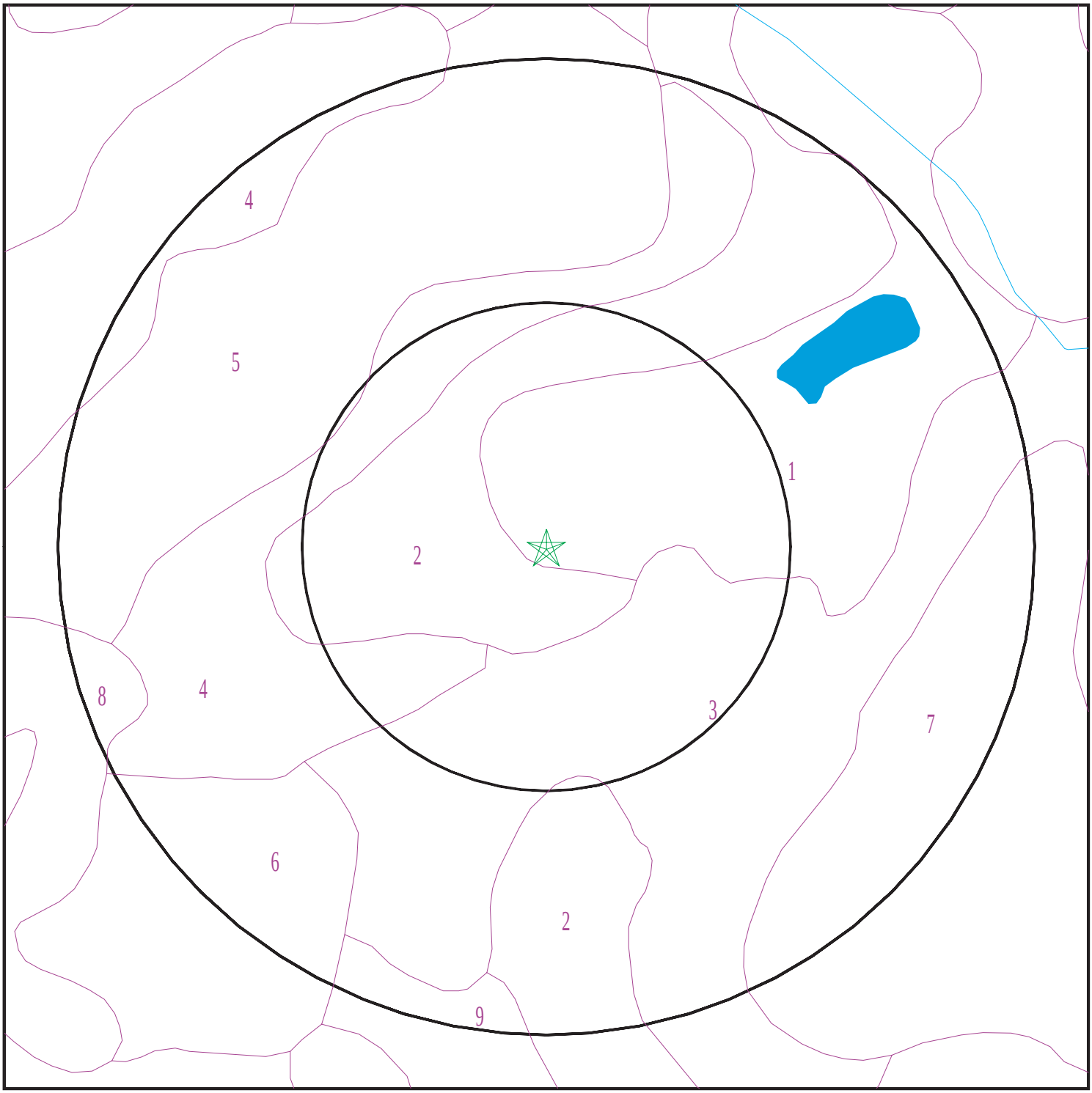
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7621920.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Goldston

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches		Not reported	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
4	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Tatum

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	5 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	53 inches	62 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	35 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 6

Soil Component Name: Herndon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	38 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	44 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
5	7 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	61 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Orange

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
2	5 inches	24 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
3	24 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
4	42 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 9

Soil Component Name: Lignum

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
2	1 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
3	11 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
4	38 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
5	55 inches	78 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000891839	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NC0368465	1/2 - 1 Mile South

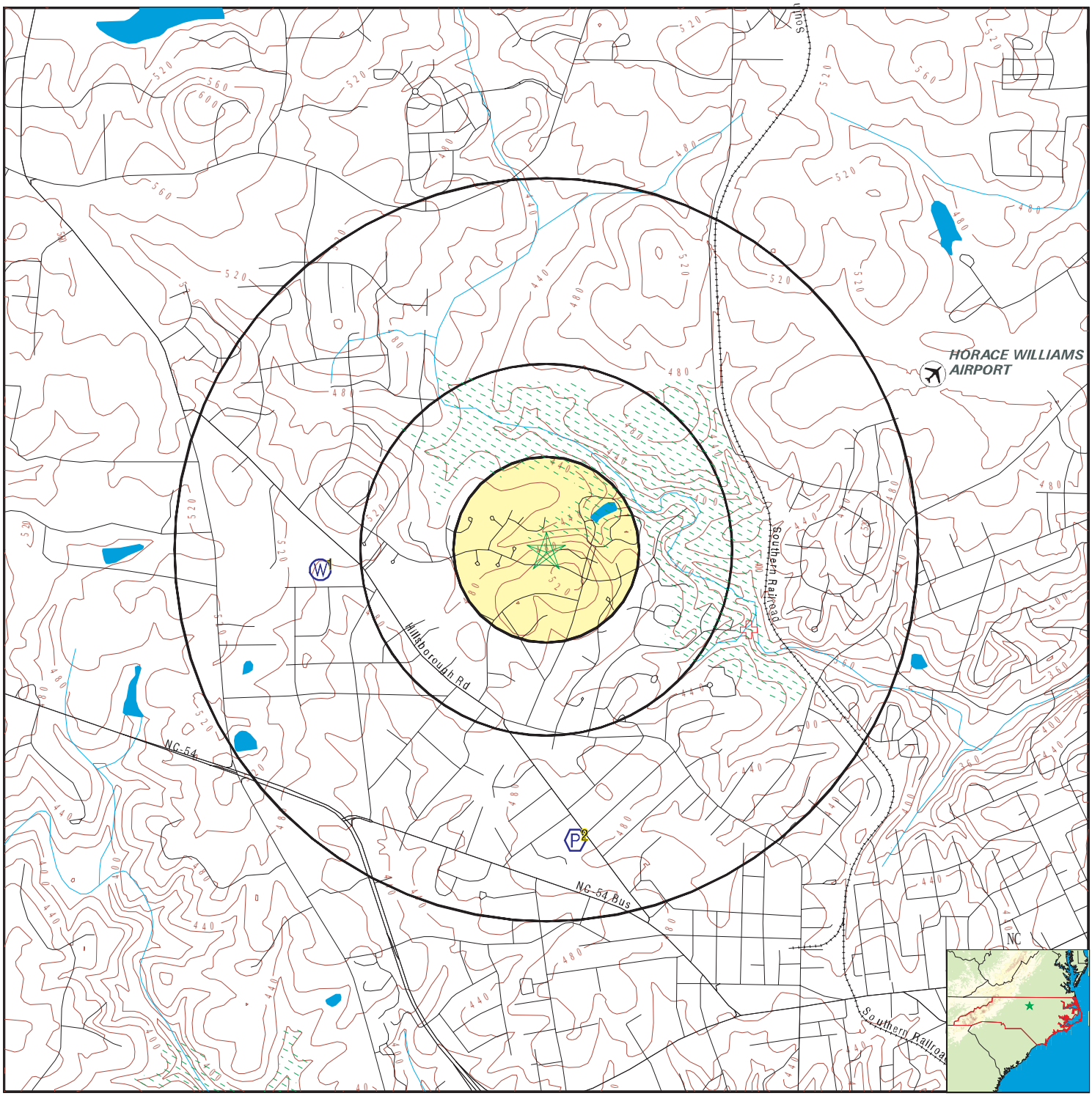
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7621920.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
West
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000891839**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-070	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metavolcanic Rock	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	168
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

2
South
1/2 - 1 Mile
Lower | **FRDS PWS** | **NC0368465**

Epa region:	04	State:	NC
Pwsid:	NC0368465	Pwsname:	CAROLINA FRIENDS SCHOOL
Cityserved:	Not Reported	Stateserved:	NC
Zipserved:	Not Reported	Fipscounty:	37135
Status:	Active	Retpopsrvd:	430
Pwssvcconn:	11	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	LEINBACH, CHAD	Contactorgname:	LEINBACH, CHAD
Contactphone:	919-545-0630	Contactaddress1:	1284 WINDY RIDGE ROAD
Contactaddress2:	Not Reported	Contactcity:	CHAPEL HILL
Contactstate:	NC	Contactzip:	27517
Pwsactivitycode:	A		
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	ph adjustment, post	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	manganese removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
PWS ID:	NC0368465	PWS type:	System Owner/Responsible Party
PWS name:	ARCHIE GOSS OR MANAGER NOW		
PWS address:	Not Reported	PWS city:	DURHAM

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS state:	NC	PWS zip:	27705
PWS ID:	NC0368465	PWS type:	System Owner/Responsible Party
PWS name:	CAROLINA FRIENDS SCHOOL INC		
PWS address:	Not Reported	PWS city:	DURHAM
PWS state:	NC	PWS zip:	27705
PWS name:	CAROLINA FRIENDS SCHOOL	PWS type code:	NTNC
Retail population served:	430	Contact:	GOSS, BILL
Contact address:	PO BOX 15156	Contact address:	DURHAM
Contact city:	NC	Contact state:	27
Contact zip:	919-477-32	Contact telephone:	Not Reported
PWS ID:	NC0368465	Activity status:	Active
Date system activated:	8702	Date system deactivated:	Not Reported
Retail population:	00000400	System name:	CAROLINA FRIENDS SCHOOL
System address:	Not Reported	System city:	DURHAM
System state:	NC	System zip:	27705
County FIPS:	068	City served:	DURHAM
Population served:	101 - 500 Persons	Treatment:	Treated
Latitude:	355938	Longitude:	0785356
Latitude:	355500	Longitude:	0790500
Violation id:	1004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2298	Contamination Name:	Bis(2-ethylhexyl) phthalate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2274	Contamination Name:	HEXACHLOROBENZENE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2110	Contamination Name:	2,4,5-TP
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2105	Contamination Name:	2,4-D
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1404	Orig code:	S

State:	NC	Violation Year:	2001
Contamination code:	2077	Contamination Name:	Propachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2076	Contamination Name:	Butachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2070	Contamination Name:	Dieldrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2067	Contamination Name:	Heptachlor epoxide
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2066	Contamination Name:	3-Hydroxycarbofuran
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2065	Contamination Name:	Heptachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	195	Orig code:	S
State:	NC	Violation Year:	1994
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	57	Violation name:	OCCT/SOWT Study/Recommendation
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/1994
Cmp edt:	Not Reported		

Violation id:	2004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2051	Contamination Name:	LASSO
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2050	Contamination Name:	Atrazine
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2047	Contamination Name:	Aldicarb
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2046	Contamination Name:	Carbofuran
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2045	Contamination Name:	Metolachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2044	Contamination Name:	Aldicarb sulfone
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2043	Contamination Name:	Aldicarb sulfoxide
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2042	Contamination Name:	Hexachlorocyclopentadiene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2041	Contamination Name:	Dinoseb
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2040	Contamination Name:	Picloram
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2037	Contamination Name:	Simazine
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	301	Orig code:	S
State:	NC	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	25	Violation name:	Monitoring, Repeat Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2000
Cmp edt:	08/31/2000		

Violation id:	3104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2036	Contamination Name:	OXAMYL
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2035	Contamination Name:	Di(2-ethylhexyl) adipate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2031	Contamination Name:	Dalapon
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2022	Contamination Name:	Methomyl
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2021	Contamination Name:	Carbaryl
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2020	Contamination Name:	Toxaphene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2015	Contamination Name:	Methoxychlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2010	Contamination Name:	BHC-GAMMA
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2005	Contamination Name:	Endrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2946	Contamination Name:	ETHYLENE DIBROMIDE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2959	Contamination Name:	Chlordane
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2595	Contamination Name:	Metribuzin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2383		
Contamination Name:	Total Polychlorinated Biphenyls (PCB)		
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2356	Contamination Name:	Aldrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2440	Contamination Name:	Dicamba
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2931	Contamination Name:	1,2-DIBROMO-3-CHLOROPROPANE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001

Cmp edt:	12/31/2003		
Violation id:	804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2326	Contamination Name:	Pentachlorophenol
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2306	Contamination Name:	Benzo(a)pyrene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved		
Enforcement Category:	Resolving		
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	195	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	07/15/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	195	Orig Code:	S

Enforcemnt FY:	2010	Enforcement Action:	07/15/2010
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/07/2000
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	01/23/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/07/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/05/2000
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/05/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	03/31/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004

Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal

Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00

Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		

Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00

Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3

Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604

Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430

PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	195
Contaminant:	LEAD & COPPER RULE	Violation type:	OCCT Study Recommendation
Compliance start date:	1/1/1994 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	8/30/1995 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	195
Contaminant:	LEAD & COPPER RULE	Violation type:	OCCT Study Recommendation
Compliance start date:	1/1/1994 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	8/30/1995 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	10/5/2000 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	10/5/2000 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	3/31/2001 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3448010
Contaminant:	7500	Violation type:	76
Compliance start date:	12/8/2007 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

NC_NHEO NC50007525

Elclass:	A	Precision1:	S
Eostat:	X	Gisid:	442955
Edr id:	NC50007525		

NC_SNHA NC10002135

Acres:	242.78	Sitename:	BOLIN CREEK
Quality type:	Not Reported	Sig:	D
Site id:	2135	Edr id:	NC10002135

NC_SNHA NC10002137

Acres:	541.36	Sitename:	UNIVERSITY LAKE SLOPES
Quality type:	Not Reported	Sig:	D
Site id:	2137	Edr id:	NC10002137

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.2s
April 11, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9281480 - 35° 55' 41.33''
Longitude (West):	79.0844540 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CHEVRON CONSTRUCTION	200 WATERSIDE DR	EDR Hist Auto	Lower	614, 0.116, ENE
A2	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	LUST, LUST TRUST	Lower	1738, 0.329, SW
A3	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	IMD	Lower	1738, 0.329, SW
B4	CLARENCE & MARGY MCF	703 HILLSBOROUGH ROA	LUST, INST CONTROL	Lower	1883, 0.357, SSW
B5	HARWARD PROPERTY (SH	1802 N. GREENSBORO S	LUST, LUST TRUST	Lower	1923, 0.364, South
6	CHEEK RESIDENTIAL OI	100-B MILTON DR	LUST, LUST TRUST	Lower	2271, 0.430, SSE
7	BROWNING PROPERTY	105 SIMPSON STREET	LUST, LUST TRUST	Lower	2338, 0.443, SSW
C8	PHILIP EASLER RESIDE	103 PHIPPS ST	LUST, ASBESTOS	Lower	2557, 0.484, SSW
C9	REDFOOT PROPERTY, RI	105 PHIPPS STREET	LUST, LUST TRUST, INST CONTROL	Lower	2573, 0.487, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

LUST: A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Incident Phase: CO Incident Number: 26807 Current Status: File Located in Archives	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
CLARENCE & MARGY MCF Incident Phase: CO Incident Number: 46238 Current Status: File Located in House	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***8***
HARWARD PROPERTY (SH Incident Phase: CO Incident Number: 33499 Current Status: File Located in Archives	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***8***
CHEEK RESIDENTIAL OI Incident Phase: CO Incident Number: 33917 Current Status: File Located in House	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***9***
BROWNING PROPERTY Incident Phase: CO Incident Number: 39421 Current Status: File Located in House	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***9***
PHILIP EASLER RESIDE Incident Number: 46383 Current Status: File Located in House	***103 PHIPPS ST***	***SSW 1/4 - 1/2 (0.484 mi.)***	***C8***	***9***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

EXECUTIVE SUMMARY

Incident Phase: CO
Incident Number: 39529
Current Status: File Located in House

LUST TRUST: A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 5 LUST TRUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Site ID: 26807	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
HARWARD PROPERTY (SH Site ID: 33499	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***8***
CHEEK RESIDENTIAL OI Site ID: 33917	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***9***
BROWNING PROPERTY Site ID: 39421	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***9***
REDFOOT PROPERTY, RI Site ID: 39529	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

State and tribal institutional control / engineering control registries

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARENCE & MARGY MCF	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***8***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Facility Id: 26807	904 HILLSBOROUGH ROA	SW 1/4 - 1/2 (0.329 mi.)	A3	8

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

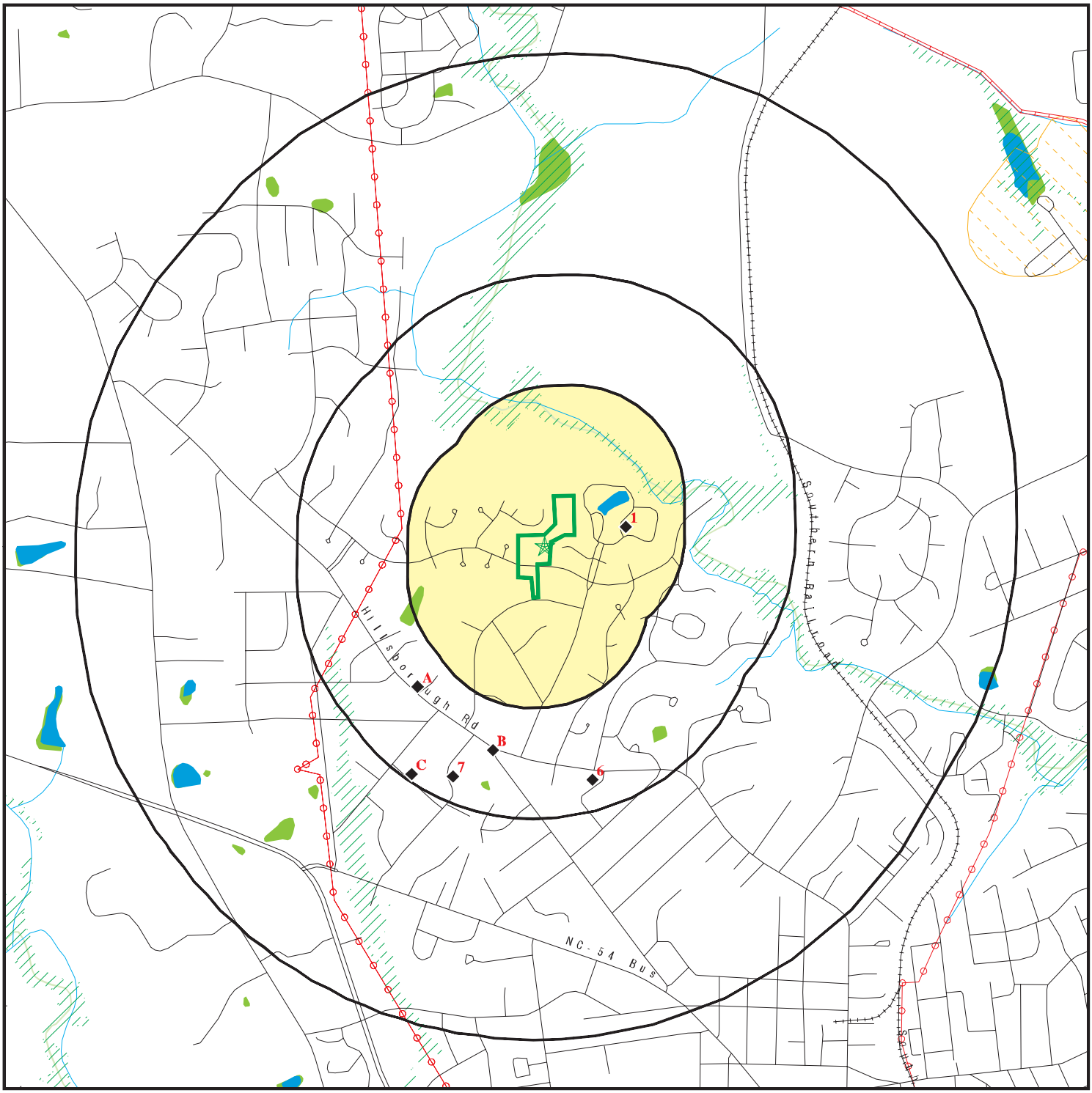
EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON CONSTRUCTION	200 WATERSIDE DR	ENE 0 - 1/8 (0.116 mi.)	1	8

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

OVERVIEW MAP - 7621920.2S



0 1/4 1/2 1 Miles

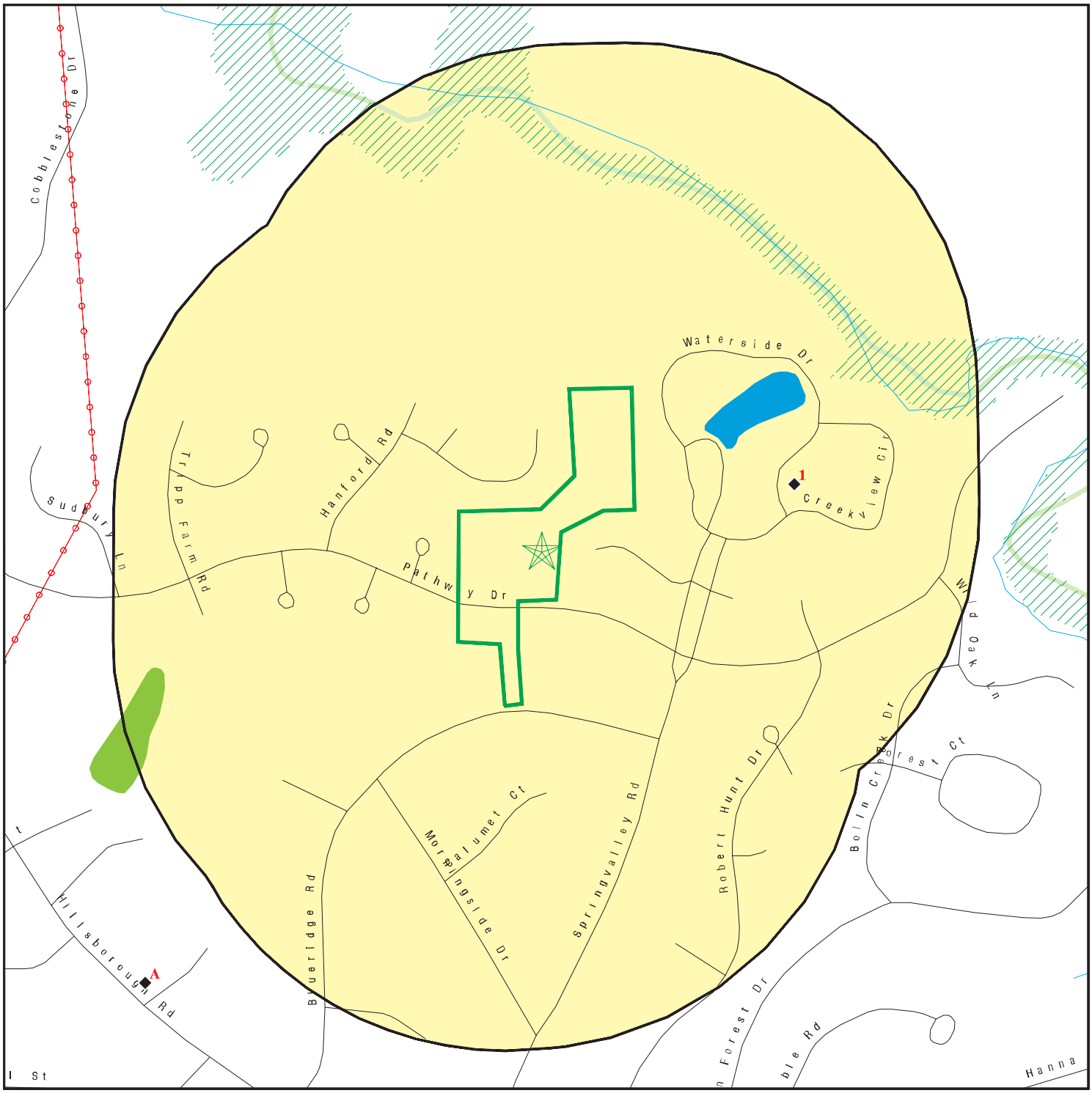
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
		INQUIRY #:	7621920.2s
LAT/LONG:	35.928148 / 79.084454	DATE:	April 11, 2024 5:11 pm

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DETAIL MAP - 7621920.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pathway Drive	CLIENT: Summit Design & Engineering Services
ADDRESS: 1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT: Aaron Gross
LAT/LONG: 35.928148 / 79.084454	INQUIRY #: 7621920.2s DATE: April 11, 2024 5:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	7	NR	NR	7
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	5	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	2	NR	NR	2
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	0	1	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	0	15	0	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ENE
< 1/8
0.116 mi.
614 ft.

Relative:
Lower

CHEVRON CONSTRUCTION CORP
200 WATERSIDE DR
CARRBORO, NC 27510

EDR Hist Auto

1021207407
N/A

Click here for full text details

A2
SW
1/4-1/2
0.329 mi.
1738 ft.

Relative:
Lower

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC 27516

LUST
LUST TRUST

S107525976
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26807
Current Status File Located in Archives

LUST TRUST
Site ID 26807

A3
SW
1/4-1/2
0.329 mi.
1738 ft.

Relative:
Lower

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC

IMD

S106896203
N/A

Click here for full text details

IMD
Facility Id 26807

B4
SSW
1/4-1/2
0.357 mi.
1883 ft.

Relative:
Lower

CLARENCE & MARGY MCFARLING UST
703 HILLSBOROUGH ROAD
CARRBORO, NC 27510

LUST
INST CONTROL

S121425758
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 46238
Current Status File Located in House

B5
South
1/4-1/2
0.364 mi.
1923 ft.

Relative:
Lower

HARWARD PROPERTY (SHANNON)
1802 N. GREENSBORO STREET
CARRBORO, NC 27516

LUST
LUST TRUST

S109034075
N/A

Click here for full text details

LUST
Incident Phase CO

HARWARD PROPERTY (SHANNON) (Continued) **S109034075**

Incident Number 33499
Current Status File Located in Archives

LUST TRUST
Site ID 33499

6
SSE
1/4-1/2
0.430 mi.
2271 ft.

Relative:
Lower

CHEEK RESIDENTIAL OIL SPILL **LUST** **S110630013**
100-B MILTON DR **LUST TRUST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 33917
Current Status File Located in House

LUST TRUST
Site ID 33917

7
SSW
1/4-1/2
0.443 mi.
2338 ft.

Relative:
Lower

BROWNING PROPERTY **LUST** **S114020675**
105 SIMPSON STREET **LUST TRUST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 39421
Current Status File Located in House

LUST TRUST
Site ID 39421

C8
SSW
1/4-1/2
0.484 mi.
2557 ft.

Relative:
Lower

PHILIP EASLER RESIDENCE **LUST** **S123084430**
103 PHIPPS ST **ASBESTOS** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Number 46383
Current Status File Located in House

C9
SSW
1/4-1/2
0.487 mi.
2573 ft.

Relative:
Lower

REDFOOT PROPERTY, RICHARD
105 PHIPPS STREET
CARRBORO39536, NC 27510

LUST
LUST TRUST
INST CONTROL

S116491537
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 39529
Current Status File Located in House

LUST TRUST
Site ID 39529

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NC	AIRS	Air Quality Permit Listing	Department of Environmental Quality	12/04/2023	12/04/2023	02/27/2024
NC	AOP	Animal Operation Permits Listing	Department of Environmental Quality	08/29/2023	08/31/2023	11/21/2023
NC	ASBESTOS	Asbestos Permits & Notifications Information	Department of Health & Human Services	01/31/2024	02/06/2024	03/11/2024
NC	AST	AST Database	Department of Environment and Natural Resourc	11/08/2023	12/06/2023	02/27/2024
NC	BROWNFIELDS	Brownfields Projects Inventory	Department of Environment and Natural Resourc	09/01/2023	09/26/2023	12/18/2023
NC	CCB	Coal Ash Structural Fills (CCB) Listing	Department of Environmental Quality	05/10/2021	07/02/2021	09/27/2021
NC	COAL ASH	Coal Ash Disposal Sites	Department of Environment & Natural Resources	12/15/2022	12/19/2022	03/15/2023
NC	DEBRIS	Solid Waste Active Disaster Debris Sites Listing	Department of Environmental Quality	12/07/2023	12/07/2023	02/29/2024
NC	DRYCLEANERS	Drycleaning Sites	Department of Environment & Natural Resources	12/05/2023	12/07/2023	03/05/2024
NC	Financial Assurance 1	Financial Assurance Information Listing	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental & Natural Resourc	10/02/2012	10/03/2012	10/26/2012
NC	Financial Assurance 3	Financial Assurance Information	Department of Environment & Natural Resources	09/28/2023	09/28/2023	10/02/2023
NC	HIST LF	Solid Waste Facility Listing	Department of Environment & Natural Resource	11/06/2006	02/13/2007	03/02/2007
NC	HSDS	Hazardous Substance Disposal Site	North Carolina Center for Geographic Informat	08/09/2011	11/08/2011	12/05/2011
NC	IMD	Incident Management Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	INST CONTROL	No Further Action Sites With Land Use Restrictions Monitorin	Department of Environmental Quality	12/01/2023	12/05/2023	02/29/2024
NC	LAST	Leaking Aboveground Storage Tanks	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	LCID	Land-Clearing and Inert Debris (LCID) Landfill Notifications	Department of Environmental Quality	11/30/2023	01/03/2024	03/22/2024
NC	LUST	Regional UST Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	LUST TRUST	State Trust Fund Database	Department of Environment and Natural Resourc	01/02/2024	01/03/2024	03/22/2024
NC	NPDES	NPDES Facility Location Listing	Department of Environment & Natural Resources	01/02/2024	01/24/2024	04/10/2024
NC	OLI	Old Landfill Inventory	Department of Environment & Natural Resources	12/07/2023	01/03/2024	03/22/2024
NC	PCSRP	Petroleum-Contaminated Soil Remediation Permits	Department of Environmental Quality	08/18/2022	10/03/2022	12/16/2022
NC	PFAS	PFAS Contamination Site Listing	Department of Environmental Quality	05/18/2022	05/18/2022	08/08/2022
NC	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environment, Health and Natural		07/01/2013	12/24/2013
NC	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environment, Health and Natural		07/01/2013	01/13/2014
NC	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environment, Health and Natural		07/01/2013	12/20/2013
NC	SEPT HAULERS	Permitted Septage Haulers Listing	Department of Environmental Quality	12/09/2023	01/03/2024	03/22/2024
NC	SHWS	Inactive Hazardous Sites Inventory	Department of Environment, Health and Natural	12/01/2023	12/05/2023	02/28/2024
NC	SPILLS	Spills Incident Listing	Department of Environment & Natural Resources	10/28/2023	12/22/2023	01/08/2024
NC	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	06/14/2001	01/03/2013	03/06/2013
NC	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	09/27/2012	01/03/2013	03/06/2013
NC	SWF/LF	List of Solid Waste Facilities	Department of Environment and Natural Resourc	12/15/2022	12/19/2022	03/15/2023
NC	SWRCY	Recycling Center Listing	Department of Environment & Natural Resources	01/31/2022	02/02/2022	04/29/2022
NC	UIC	Underground Injection Wells Listing	Department of Environment & Natural Resources	09/25/2023	11/27/2023	02/21/2024
NC	UST	Petroleum Underground Storage Tank Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	VCP	Responsible Party Voluntary Action Sites	Department of Environment and Natural Resourc	12/01/2023	12/05/2023	02/29/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	11/28/2023	11/29/2023	12/11/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	11/03/2023	11/08/2023	11/20/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/30/2024	02/13/2024	04/04/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/12/2024	02/13/2024	04/04/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	02/14/2024	02/16/2024	04/04/2024
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2024	02/08/2024	04/04/2024
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	01/29/2024	02/01/2024	02/22/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/29/2024	02/01/2024	02/22/2024
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/15/2023	08/30/2023	12/01/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2024	02/21/2024	04/04/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/06/2023	11/07/2023	01/31/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NC	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Health & Human Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NC	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PATHWAY DRIVE
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.928148 - 35° 55' 41.33''
Longitude (West):	79.084454 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

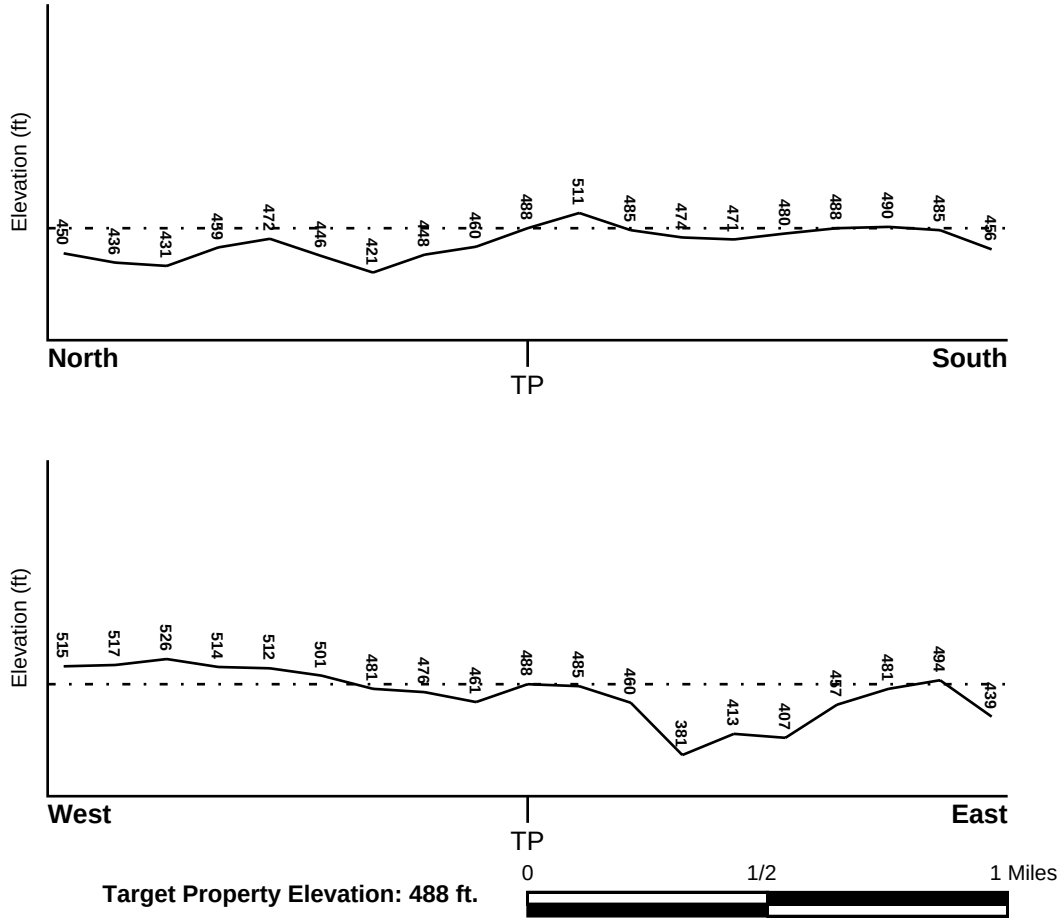
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977900J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710976900J	FEMA FIRM Flood data
3710977800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

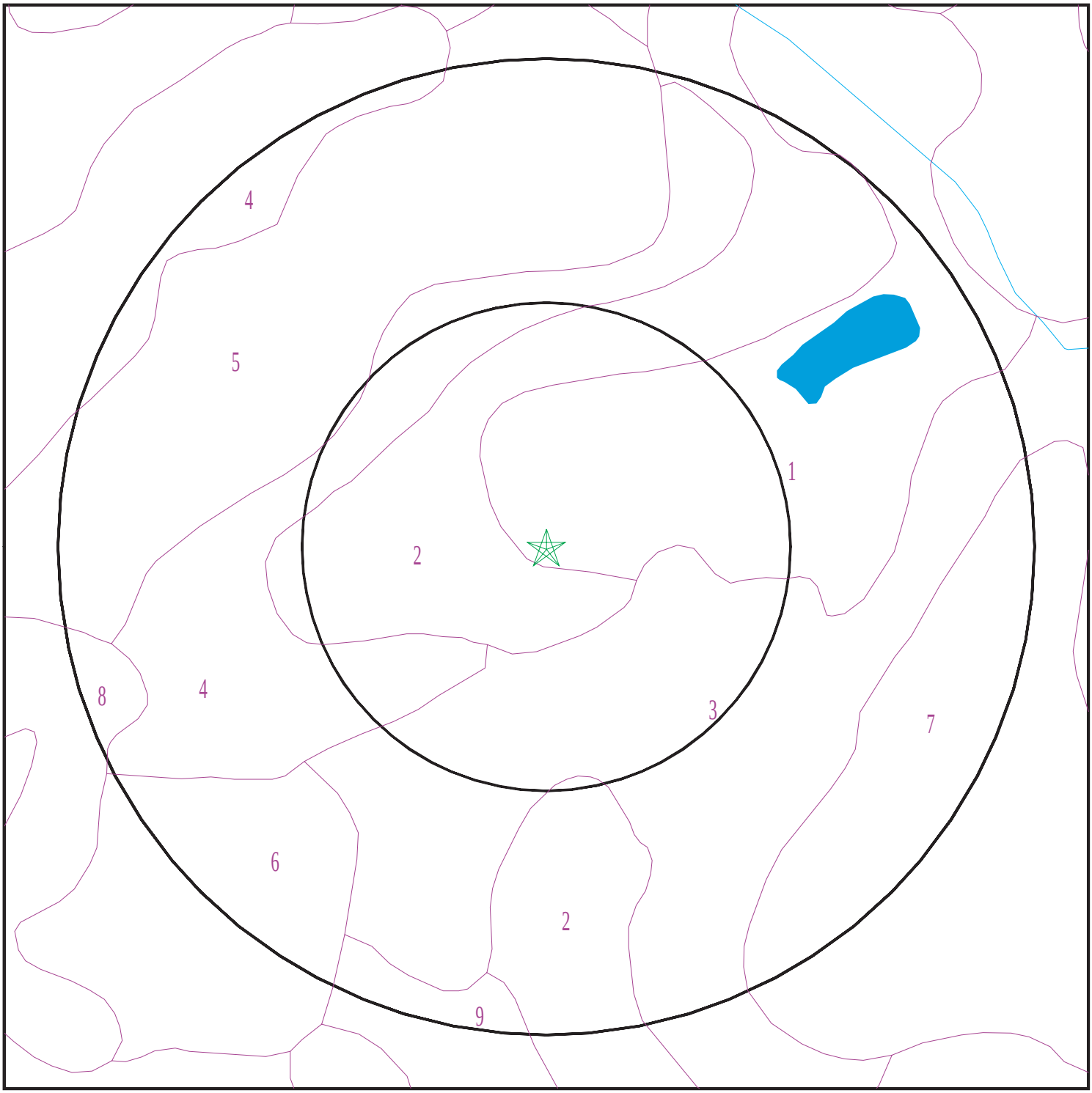
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7621920.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Goldston

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches		Not reported	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
4	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Tatum

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	5 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	53 inches	62 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	35 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 6

Soil Component Name: Herndon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	38 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	44 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
5	7 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	61 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Orange

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
2	5 inches	24 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
3	24 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
4	42 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 9

Soil Component Name: Lignum

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
2	1 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
3	11 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
4	38 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
5	55 inches	78 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000891839	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NC0368465	1/2 - 1 Mile South

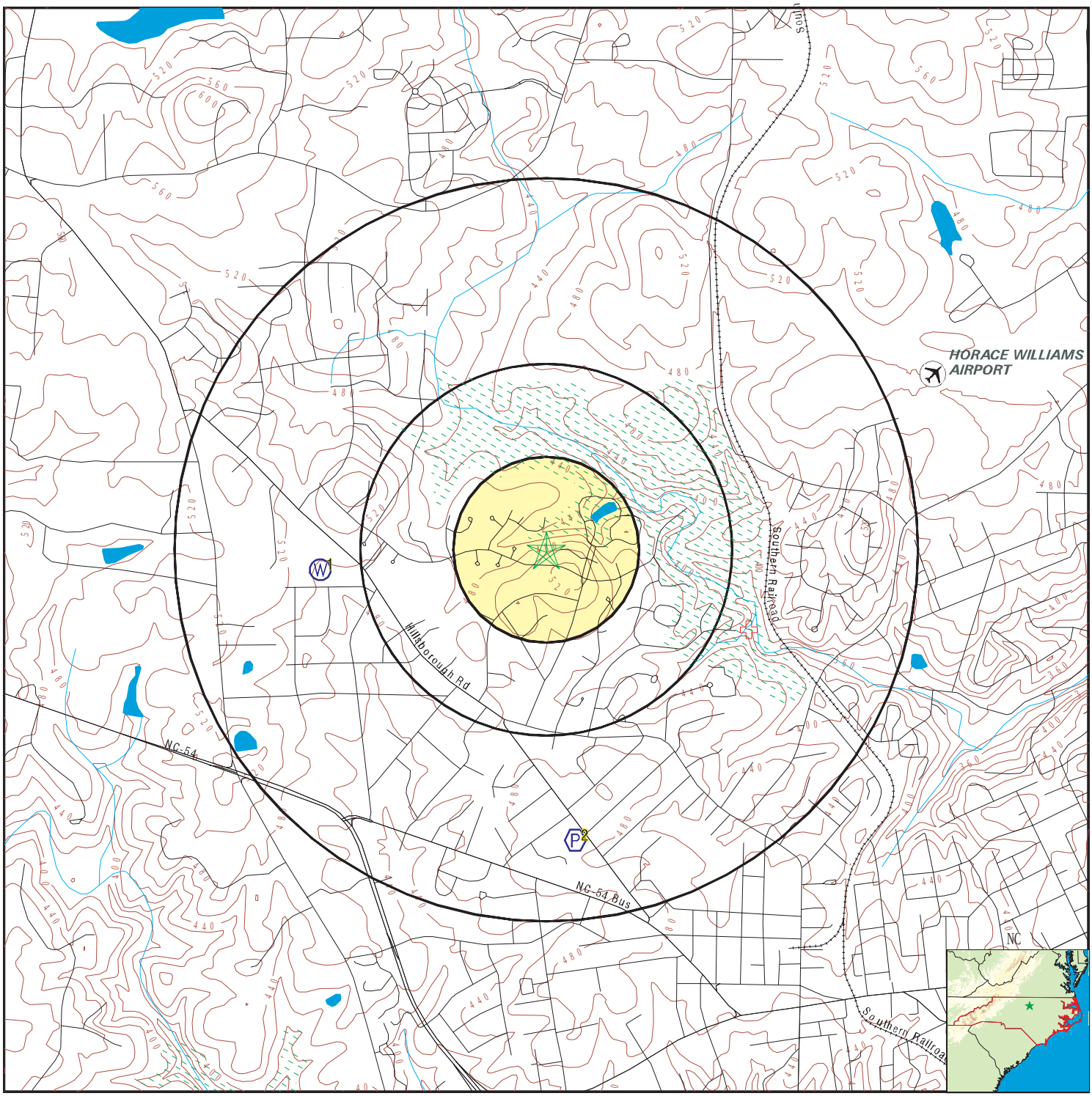
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7621920.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 West 1/2 - 1 Mile Higher	**Click here for full text details**	**FED USGS**	**USGS40000891839**
2 South 1/2 - 1 Mile Lower	**Click here for full text details**	**FRDS PWS**	**NC0368465**
	Click here for full text details	**NC_NHEO**	**NC50007525**
	Click here for full text details	**NC_SNHA**	**NC10002135**
	Click here for full text details	**NC_SNHA**	**NC10002137**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix E:

Regulatory File Review

No documents have been associated with this appendix.

Appendix F:

Vapor Encroachment Evaluation

No documents have been associated with this appendix.

Appendix G:

Qualifications

FIRM:
Summit Design and Engineering Services, PLLC

Aaron Gross, P.G.
Geotechnical Engineering

Education
B.S., Geology
The University of North Carolina at Chapel Hill, 2015

Professional Registrations
Licensed Geologist,
North Carolina
License No. 2620

Professional Affiliations
The Geological Society of America (GSA)

Association of Environmental & Engineering Geologists (AEG)

Location
320 Executive Ct
Hillsborough, NC 27278

Phone Number
919-732-3883

Email Address
Aaron.Gross@summitde.com

Work History
Summit Design and Engineering Services, PLLC., Field Geologist
2016 – Present

Land Environmental Group, Environmental Assistant
2014 – 2015

Aaron Gross, P.G.
Senior Geologist

Mr. Gross has over five years of geotechnical investigations, geotechnical engineering, and environmental consulting experience. He is a licensed Professional Geologist in North Carolina. Mr. Gross is an experienced and well-rounded geologist consulting on both geotechnical and environmental projects throughout his career.

Representative Environmental Projects

- CA Ventures - Site 2 – 9 contiguous parcels totaling approximately 2.5-acres located on Hillsborough Street in Raleigh, North Carolina. An urban setting near North Carolina State University in an area with an extensive history of environmental contamination from past commercial and industrial activities. The area is currently being redeveloped for student housing, upscale shopping, and hotels under numerous Brownfield grants. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- Daniel Boone Village – 2 contiguous parcels totaling almost 60-acres located in Hillsborough, North Carolina. A large and complex site with unique historical usage. It was developed into an amusement park in the 1960s and later transitioned into a commercial shopping center. The parcel is currently being redeveloped for housing, hotel, and retail shopping. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- River Village – 130-acre parcel located in Burlington, North Carolina. The mostly undeveloped property along the Haw River was planned to be developed into a new residential subdivision. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site, which uncovered the presence of a Pre-Regulatory Landfill partially on the property.

- 1201 & 1211 North Mineral Springs Road – 2 contiguous parcels totaling approximately 12.5-acres located just outside of Durham, North Carolina. The site was planned to be redeveloped for a residential subdivision. The current tenant of the property was running an auto restoration business with over 50 vehicles present on the site. A large construction debris landfill was present on the site as well. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- 7501 & 7543 Mallard Creek Road – 2 contiguous parcels totaling approximately 6-acres located in Charlotte, North Carolina. The site was a run-down mobile home park slated for redevelopment. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

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Appendix H:

Additional Documentation

ASTM E1527-13 USER QUESTIONNAIRE

User - the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the *User* must conduct the following inquires required by 40 CFR 312.25, 312.28, 312.29, 312.30 and 312.31. The *User* should provide the following information to the Environmental Professional (EP). Failure to conduct these inquires could result in a determination that "all appropriate inquiries" is not complete.

This questionnaire should be completed and signed by the *User,* or a designated representative of the *User* who is familiar with the subject property. Please complete and return this questionnaire as soon as possible to Aaron Gross, P.G. at Aaron.Gross@summitde.com.

Subject Property Name: 1814 & 1816 Pathway Drive

Subject Property Location: Carrboro, North Carolina

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).
Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the subject property under federal, tribal, state, or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

2. Activity and Use Limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26).
Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No

☐ Yes

If yes, please explain below:

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for the subject property reasonably reflect the fair market value? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present on the property?

☐ No

☐ Yes

If no, please explain below:
Purchase price unknown. The value of the property in 2018 was $261,728. See agenda item for more information: https://carrboro.legistar.com/View.ashx?M=F&ID=6259153&GUID=D414A9EC-6485-41ED-96DE-CA3FC140B6D4

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the EP to identify conditions indicative of releases or threatened releases? For example,

a. Do you know the past uses of the subject property?

   No

b. Do you know of specific chemicals that are present or once were present at the subject property?

   No

c. Do you know of spills or other chemical releases that have taken place at the subject property?

   No

d. Do you know of any environmental cleanups that have taken place at the subject property?

No

6. The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)
Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

☐ No

☐ Yes

If yes, please explain below:

Unknown

7. Additional *User*-Provided Information.
The following information, if available, should be provided to the EP but is not required to qualify for one of the LLPs. This information includes:

a. The reason why the Phase I ESA is being performed?

Under the Town's Land Use Ordinance, development review is conducted under a four-step process. One of these steps is identifying the primary and secondary constraints for development. Any due diligence of developing on this property would include an assessment of potential brownfields. Appendix A of the Land Use Ordinance also gives the Town the opportunity to ask for more information about the property before a development occurs.

b. The type of property and type of property transaction (sale, purchase, exchange, etc.)?

Zoning: R15, RSIR, RSIR2
Property transaction unknown

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature: _____

Date: 5-3-24

PHASE I ESA - STANDARD INTERVIEW FORM

Subject Property: 1814 & 1816 Pathway Drive, Carrboro NC

Interviewer: Aaron Gross, PG

Interviewee: Martin Roupe, Laura Janway

Date of Interview: 5-3-24

1) What is your relationship to the subject property? (Owner, Tenant, Neighbor, Caretaker, Etc.)

Owner

2) How long have you owned or had knowledge of the subject property?

Owned since 1985

3) To the best of your knowledge, what is the current use of the subject property?

None

4) To the best of your knowledge, can you provide a brief history of the subject property and its uses?

Unknown

5) If applicable, please provide a brief list of any current structures or that may have historically been present on the subject property (ex. buildings, homes, barns, storage sheds, etc.) and approximately when they were constructed.

Unknown

6) If applicable, and to the best of your knowledge, what are the methods of heating the structures currently present on the subject property? Past methods of heating historical structures?

N/A

7) If not already indicated above, have there ever been any heating oil Underground Storage Tanks (USTs) or Above-Ground Storage Tanks (ASTs) in use on the subject property?

Unknown

8) To the best of your knowledge, are there currently, or have there ever been, any other types of USTs or ASTs present on the subject property? If so, what were they storing?

Unknown

9) Are you aware of any past or current handling of hazardous substances or petroleum products on the subject property?

No

10) To the best of your knowledge, are there any water wells on the subject property? If so, have there ever been any contamination issues associated with the wells?

Unknown

11) To the best of your knowledge, are there any septic systems present on the subject property? If so, have there ever been any incidents or spills associated with the septic systems?

Unknown

12) Are you aware of any dumping or disposal areas on the subject property? This could include trash, construction debris, fill dirt, or other debris.

No

13) Are you aware of any environmental incidents or soil or groundwater contamination on your property or on neighboring properties?

No

14) Do you have any other information that you wish to share that may be pertinent to the historical use of or related to potential environmental concerns for the subject property?

No

15) Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

16) Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

17) Are you aware of any notices from any governmental entity regarding any possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products?

No

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature:

Date: 5-3-24

From: Carl Freeman
To: Aaron Gross, PG
Subject: RE: Crest Street and Pathway Drive Response Records
Date: Tuesday, May 7, 2024 2:42:30 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png

Sorry for the delay I'm not aware of any of these issues on these properties. Thank you

Carl Freeman, Deputy Chief/ Fire Marshal
Carrboro Fire Rescue Department
cfreeman@townofcarrboro.org 919-918-7352

From: Aaron Gross, PG <aaron.gross@summitde.com>
Sent: Thursday, April 18, 2024 10:40 AM
To: Carl Freeman <CFreeman@carrboronc.gov>
Subject: Crest Street and Pathway Drive Response Records

Carl,

I am a geologist performing a Phase I Environmental Site Assessment for two sites in Carrboro Town Limits. The two sites include a vacant lot on Crest Street (PIN 9778899390) and three contiguous parcels on Pathway Drive (1814, 1814-A, and 1816 Pathway Drive, PIN 9779429615, 9779531130, and 9779727516, respectively). As part of the ASTM Standard, I'm required to reach out to local government officials regarding potential responses to fires, hazardous material spills, or underground storage tank closures/removals at the subject property. Does your department have any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties? If I need to direct this email to another department or local authority, please let me know and sorry for sending this in error. Any help would be greatly appreciated, thanks for your time!

Aaron Gross, PG
Senior Geologist
Tel: 919-732-3883 x3154
Cell: 919-428-3191





Town of Carrboro, NC Website -
https://link.edgepilot.com/s/89ab13ce/GriWwAfapkCXuMoKVXIRQw?u=https://www.carrboronc.gov/

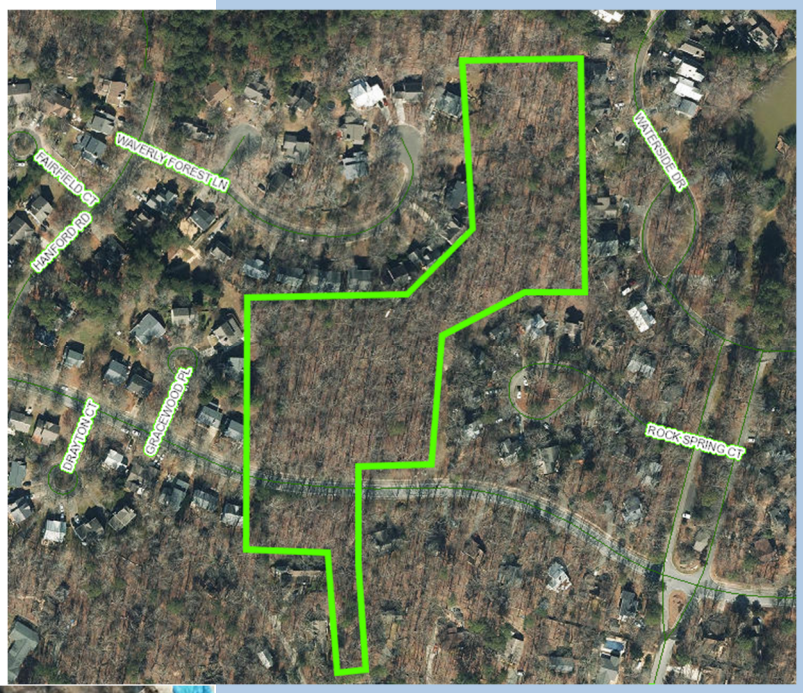
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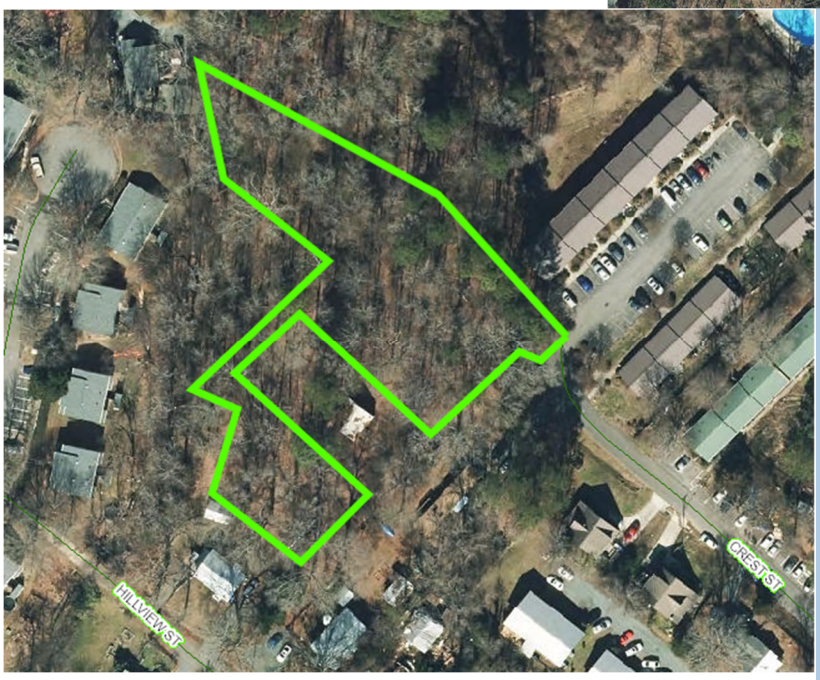
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PRELIMINARY GEOTECHNICAL REPORT



Pathway Drive



Crest Street

Pathway Drive and Crest St.

Carrboro, North Carolina
Orange County
Pathway Drive Pin ID:
1816 Pathway Dr: 9779427516
1814 Pathway Dr: 9779429615
1814-A Pathway Dr: 9779531130
Crest Street Pin ID: 9778899390

Prepared for:
Anne-Marie Vanaman
Town of Carrboro

Prepared by:
Summit Design and Engineering Services, PLLC
6/11/2024
Summit Project No. 23-0350.204

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SUMMIT
DESIGN AND ENGINEERING SERVICES

320 Executive Court, Hillsborough, NC 27278
Phone // 919.732.3883 Web // www.summitde.net

June 11, 2024

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Reference: **Preliminary Subsurface Exploration and Geotechnical Evaluation**
Town of Carrboro
Carrboro, North Carolina
Summit Project No. 23-0350.204

Dear Ms. Vanaman:

Summit Design and Engineering Services, PLLC (Summit) is pleased to submit this report of our subsurface exploration and preliminary geotechnical evaluation for the proposed due diligence investigation for potential affordable housing units in Carrboro, North Carolina. Our services were provided in accordance with Summit's Proposal dated January 27, 2023. This report presents a review of the project information provided to us, a discussion of the site and subsurface conditions revealed during our field investigation, and our preliminary engineering recommendations regarding geotechnical related aspects of the proposed construction. The Appendix of this report contains a boring location diagram, the soil test boring logs, and the results of our laboratory testing.

PURPOSE OF STUDY

The purpose of the exploration was to evaluate subsurface soil conditions as they relate to site grading, excavation, building foundations, and pavement subgrade support. More precisely, the scope of the investigation included the following objectives:

- Provide a general description of the site, existing subsurface soils, and groundwater conditions.
- Provide results of laboratory tests.
- Determine the depth and location of any partially weathered and hard rock encountered in borings.
- Provide preliminary recommendations for residential foundation systems with applicable design criteria.
- Provide construction and earthwork recommendations for subgrade preparation, excavation of on-site materials, fill placement, and groundwater control.
- Provide general light- and heavy-duty pavement design recommendations for flexible (asphalt) and rigid (concrete) pavement sections. Traffic data (counts) will be needed to provide an actual pavement design (if needed).

It should be noted that no wetland delineation was included in the scope of this geotechnical investigation. A Phase 1 Environmental Site Assessment was performed by Summit, the findings of which are included in a separate report.

SUMMARY OF FINDINGS

A brief outline of our preliminary recommendations is summarized in Table 1. The following summary of recommendations should not be used exclusively as an evaluation of this site. The following sections of this preliminary report present, in detail, the results of our geotechnical evaluation and should be carefully read.

Table 1
SUMMARY OF PRELIMINARY RECOMMENDATIONS

Recommended Foundation System	Shallow Foundations including Spread Footings and Continuous Wall Footings; or Monolithic Slab with Turn Down Footings
Maximum Allowable Bearing Pressure	2,000 psf for foundations on residual soil or controlled fill soils, or weathered rock
Controlled Fill Soils	On-site CL, ML, or SM OR Imported soils with classification of GW, GM, GC, SW, SM, SC, ML or CL
Density Requirements	Compact to 95% of Standard Proctor maximum dry density with final foot to 98% OR As required by ordinances established by local municipalities, whichever is stricter

PROJECT INFORMATION

We understand the Town of Carrboro is considering constructing affordable housing units on two different sites, Pathway Drive (6.33 acres) and Crest Street (1.08 acres). The town currently owns these properties and wanted a due diligence-type investigation performed for site suitability for construction. Therefore, final grades of the proposed development have not been determined at this time. Absent of final bearing elevations, the findings of this report at this time should be considered preliminary. Settlement associated with this type of development is typically induced by embankment fills, which at this time is unknown. Therefore, a settlement analysis is not included in this preliminary report.

FIELD EXPLORATION

Our field exploration included the drilling of six soil test borings and one hand auger boring. The borings were advanced to depths of between 6.9 and 15.0 feet below the existing ground surface. The borings were located in the field by personnel from Summit using a handheld GPS unit. Ground surface elevations shown on the boring logs were estimated using Google Earth. Therefore, the elevations should be considered approximate.

The borings were performed using 3-¼ inch hollow stem augers with a CME-550X on a rubber-tired carrier. Standard Penetration Tests (SPT) were performed at selected intervals with a split spoon sampler to determine N-values and obtain representative soil samples. Soil samples were taken at 2.5-foot intervals above a depth of 10 feet and at 5-foot intervals below 10 feet. Standard Penetration Testing was performed in general accordance with ASTM D1586. The N-values are used to estimate the in-situ relative density of cohesionless soils and the consistency of cohesive soils.

Representative samples were sealed and transported to our laboratory, where they were examined and visually classified by a professional geologist and select samples tested. Soil classification was performed in general accordance with Unified Soil Classification System (USCS) guidelines. Final boring logs, included in the Appendix of this report, represent an interpretation of the geologist's field logs, the geologist's evaluation of the samples, standard penetration tests values, and results of our laboratory testing. Naturally, transitional changes in soil types are often gradual and cannot be defined at a particular depth.

FINDINGS

Site Description

The project consists of two separate sites both of which are currently wooded areas surrounded by residential neighborhoods. The site adjacent to Pathway Drive consists of three separate contiguous parcels totaling 6.33 acres. A west-to-east flowing creek transects the northern end of this site, and Pathway Drive transects the southern end of this site. The topographic high of approximately 512 feet is located near the southwestern corner of the property. The topographic low is approximately 430 feet and is located at the northeastern corner of the property. The relief at this site is 82 feet.

The site adjacent to Crest Street consists of one parcel totaling 1.08 acres. A west to east flowing creek and sewer easement transects this site. The topographic high of approximately 430 feet is located near the southeastern corner of the property. The topographic low is approximately 402 feet and is located on the north side of the property. The relief at this site is 28 feet.

Area Geology

The project site is located in Orange County, North Carolina, within the Carolina Slate Belt. The Carolina Slate Belt formed 550 to 650 million years ago from metamorphosed volcanic and sedimentary rocks. Common within the rock formations of this region are felsic and mafic volcanic rocks and felsic igneous intrusions (intrusive rocks). Within the intrusive category, granites, quartz monzonites, granodiorites,

quartz diorites, and diorites to gabbros are seen. This type of rock generally weathers to produce a relatively thin residual soil overburden consisting primarily of silts with the occasional boulder. More specifically, the site appears to be underlain by intermediate metamorphosed volcanic rocks. This bedrock type is of intermediate composition and generally weathers deeply to produce clayey and sandy soils. Due to the near-vertically inclined bedding of this rock formation, irregular bedrock profiles are common, and sudden transitions between soil, weathered rock, and bedrock should be anticipated at this site.

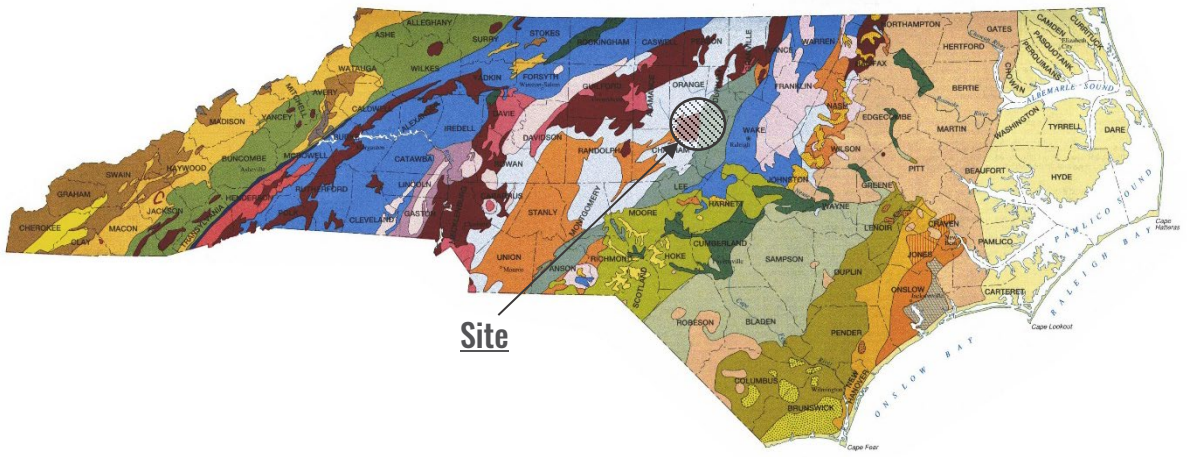


Figure 1: North Carolina Geological Survey, 1985

Subsurface Conditions

Details of soil conditions encountered during our field exploration are shown on the individual boring logs included in the Appendix. Stratification boundaries shown on the boring logs represent the approximate elevation of changes in soil type; however, the in-situ transition may be gradual. This section of the report provides a general discussion of subsurface conditions encountered at the site during our subsurface exploration.

From the ground surface residual soils were observed in all seven borings extending to depths of between 6.9 to 15.0 feet. These residual soils consisted of Lean CLAY (CL), Sandy SILT (ML) and Silty SAND (SM). N-Values within the residual soils ranged between 3 and 62 blows-per-foot (bpf) and averaged 21 bpf. Any topsoil, if encountered at all, was less than 1-inch in thickness in the borings. Since these sites are wooded, stumping and grubbing activities may reveal root material from mature trees up to 2 feet in depth.

Weathered Rock was encountered in five borings between depths of 6.0 and 14.0 feet. Bedrock was encountered in three borings (i.e., C-1, C-2, and P-3) between depths of 6.9 and 12.0 feet.

After completion of drilling, five of the borings were left open for twenty-four hours and checked for groundwater. Groundwater was encountered in one of the borings (i.e., C-2) at 3.5 feet. It should be noted that groundwater levels should be expected to fluctuate depending on seasonal or climatic changes.

Laboratory Results

Summit's laboratory testing included percent passing No. 200 sieve, natural moisture content and Atterberg Limit tests (liquid limit plasticity index). Laboratory tests were conducted on split spoon samples of the surface materials recovered from selected borings. The results of our laboratory classification tests are presented in Table 2.

Table 2
SUMMARY OF LABORATORY RESULTS
Atterberg Limits, Natural Moistures & % Passing #200

Boring No.	Sample Depth(ft.)	LL	PI	Natural Moisture (%)	% Passing #200 (%)	USCS Classification
C-1	1.0 – 2.5	35	15	23.0	59.6	CL
C-2	1.0 – 2.5	17	NP	14.2	51.1	ML
P-1	1.0 – 2.5	46	19	28.4	81.8	CL
P-2	1.0 – 2.5	48	17	32.0	88.9	ML
P-3	1.0 – 2.5	47	19	26.0	90.5	ML
P-4	3.5 – 5.0	45	15	30.7	68.4	ML

CONCLUSIONS AND RECOMMENDATIONS

The conclusions and recommendations presented in this report are based on the data obtained from the field exploration and laboratory testing program, information regarding the proposed development and our knowledge of geomechanics. Our knowledge of the proposed development is limited in that grading information was not available; however, based on our findings we believe that the subject site is suitable for the proposed development provided the preliminary geotechnical recommendations and suggested construction guidelines presented in this report are utilized in both the design and construction phases of this project.

Site Preparation

Site preparation should begin with the clearing of all vegetation and the stripping of all topsoil and root mat from areas designed for construction of buildings or roadways. Topsoil may be stockpiled to be reused for landscaping purposes.

After achieving final subgrade in the undercut areas and prior to placing fill in any areas below finished subgrade, it is recommended that the stability of the exposed subgrade be evaluated by proofrolling. Proofrolling should be performed with a loaded tandem-axle dump truck with a minimum weight of 15 tons and a maximum weight of 25 tons. Proofrolling will help reveal the presence of unstable materials not identified during our drilling activities. It is recommended that a geotechnical engineer

from Summit observe all proofrolling activities. Areas observed to rut, pump, or deflect during the proofrolling process should be stabilized as recommended by the geotechnical engineer.

The most practical stabilization measure will be influenced by the degree of instability which exists and the weather conditions. As such, actual repairs will be determined in the field at the time of construction. Possible repair measures include undercutting to stable soils, discing / drying / compacting existing soils, placement of a geotextile stabilization fabric and crushed stone, or some combination of these.

The fine-grained Silts and Clays at this site are moisture sensitive and can lose considerable strength at elevated moisture conditions. Some undercutting may be necessary if these soils become wet and softened prior to proofrolling.

Proper site drainage should be maintained during earthwork operations to reduce accumulation of moisture, minimize wet weather delays and subgrade repairs. If the surface soils become softened or freezes during wet weather, the soil subgrade should be removed or repaired before additional fill is placed at the direction of a Geotechnical Engineer from Summit. The ground surface in the vicinity of the construction site should be graded to provide positive drainage of the surface water flows. It is recommended that the surface of all exposed subgrade areas be sealed with a smooth-drum roller at the end of each day's earthwork activities, to promote runoff and reduce infiltration from rainfall. Further protection of the site should include the construction of temporary ditches, berms, or other surface water diversion devices to divert surface water from, and not across, the site.

Excavations

Most of the on-site soils can be excavated by routine earth-moving equipment. Based on the soil test borings, we expect that weathered rock and bedrock will be encountered during excavations. Guidelines for excavating weathered rock are provided in this section in the event they are encountered during excavation.

Partially Weathered Rock

Partially weathered rock having standard penetration resistance values of approximately 50 blows per 4 inches to 50 blows per 6 inches and can often be ripped using a CAT D-8 bulldozer or equivalent, with a single-toothed ripper. Partially weathered rock having standard penetration resistance values of approximately 50 blows per 1 inch to 50 blows per 3 inches usually requires some blasting or the use of pneumatic hammers to pre-loosen these materials.

Within confined excavations (trenches or structure footings), a large track-mounted backhoe, such as a CAT-330 or larger with rock teeth, may be capable of removing a portion of the weathered rock. However, the excavation process is also typically very slow. Therefore, it is generally more expedient to pre-loosen partially weathered rock with light blasting or pneumatic hammers within confined excavations.

Trench Excavations

For confined excavations, trench safety must be evaluated on a case-by-case basis. The contractor will be responsible for all site safety, including the determination of appropriate trench safety measures according to OSHA guidelines. Water seepage should be taken into account.

Groundwater

As previously stated, groundwater was observed in one soil test boring (i.e., C-2) 24 hours after drilling at a depth of 3.5 feet. Depending on the final grades during site development, groundwater, or seepage due to perched water, may be encountered during construction. If encountered, remedial measures may require the construction of a permanent French drain system or possibly temporary control of seepage by the use of pumps placed in excavated sumps.

Cut and Fill Slopes

We recommend that permanent fill or cut slopes be constructed at 3:1 (H:V). Slopes should be vegetated as soon as possible to reduce surface erosion. Typically, mowers and other landscaping equipment can operate safely on slopes of 3:1 (H:V) or flatter. The curb or edge of pavement should be set back a sufficient distance, at least 5 feet, from the crest of any slope to avoid creating slope instability due to the surcharge loading. Buildings should be located no closer than 10 feet from the top of slope.

During the grading of the site, any natural slopes that exceed 4:1 (H:V) should be benched prior to receiving fill materials in order to key new fill into existing soils. The frequency or vertical spacing of the benches will be a function of the inclination of the existing slope and the depth of fill; however, the maximum vertical spacing of benches should not exceed about 4 feet. Material cut from the benches can be reused as fill material in the lower bench provided it is not otherwise unsuitable material, such as organic or highly plastic soils. Experience indicates that it is difficult to achieve adequate compaction near the surface of fill slopes. To improve compaction and reduce potential sloughing, fill slopes should be overbuilt beyond the design geometry and cut back to firm material following compaction.

The soils at the site will be susceptible to erosion from rainwater runoff, particularly when used as fill. We recommend that a berm or ditch be constructed at the top of all slopes to divert surface water from flowing over the embankment. If seepage is observed along permanent cut slopes, flattening of the slope angle, installation of toe drains, or other measures may be required to improve long-term stability. A geotechnical engineer from Summit should be consulted to assist in the remediation of seepage issues.

Controlled Fill

Any imported controlled fill should have a Plasticity Index (PI) not exceeding 25 and a Liquid Limit (LL) not exceeding 50 (Unified Soil Classifications GW, GM, GC, SW, SM, SC, ML, and some CL). Soil samples may be submitted to Summit's Soils Laboratory for USCS classification testing. In addition to this requirement, the moisture content for all controlled fill used onsite should be properly controlled during placement and compaction. Any material to be utilized as fill should not contain rock greater than 3″ in diameter.

The fill material should be placed in 8″ to 10″ loose lifts and compacted to at least 95 percent of the material's maximum dry density as determined by the Standard Proctor Compaction Test (ASTM D 698) and within 3 percent of the material's optimum moisture content. Fill within 12 inches of finished subgrade should be compacted to at least 98 percent. In-place soil density testing should be performed during fill placement to confirm that the degree of compaction is achieved. Densities should meet either the above requirements or the density requirements established by local municipalities, whichever is stricter.

Foundation Considerations

The proposed residential structures may be supported on shallow foundations bearing on either acceptable residual soils or properly placed and compacted controlled fill. The allowable bearing pressure will depend on the final bottom of footing elevations. Preliminary estimates indicate that the residual soils or compacted structural fill soils or weathered rock can support spread footing bearing pressures of 2,000 psf with the recommended undercut and at the proper embedment depth. Footings should be embedded at least 18 inches below finished exterior grade for protection against frost heave. Individual pier footings should be at least 24 inches wide and continuous wall footings have a minimum width of 18 inches for punching (localized) shear failure considerations. Punching shear failure can occur when footings are too narrow.

Settlement

For footings designed utilizing the recommended bearing pressures, we anticipate a maximum total post-construction settlement of less than 1 inch, with the anticipated maximum differential settlement of 1-inch in 30 feet. We anticipate that these magnitudes of total and differential settlements will be acceptable for the proposed structures; however, this assumption should be confirmed by the project structural engineer prior to construction.

Slabs & Pavements

Based on our experience with soils similar to those encountered at the site, typical CBR values in the range of 4% to 6% can be considered for conceptual design of flexible pavements, and subgrade modulus values (thirty (30) inch diameter plate) in the range of 100 to 150 pci should be reasonable for conceptual design of rigid pavements and floor slabs. Again, additional evaluation will be required to properly address grade slabs and pavements for this site.

Additional Services

Once the final Site Grading Plan and layout and grades for the buildings and pavement areas have been established, we recommend that Summit Design and Engineering Services be provided with the opportunity to provide a final geotechnical report. This final geotechnical report would provide recommended foundation types and design parameters along with estimated settlements associated with the recommended foundation types. In addition, site-specific, detailed recommendations regarding slopes, retaining walls, pavement design and site grading requirements would be provided.

We recommend that Summit Design and Engineering Services be retained to monitor the earthwork and foundation construction and to report that the recommendations contained in this report are completed in a satisfactory manner. Our continued involvement on the project helps provide continuity for proper implementation of the recommendations discussed herein.

QUALIFICATIONS

This report has been prepared in accordance with generally accepted geotechnical engineering practices for specific application to this project. The conclusions and recommendations contained in this report are based upon the applicable standards of our profession at the time the report was prepared.

The analysis and recommendations submitted in this report are based in part upon the data obtained from the subsurface investigation. The nature and extent of variations between the borings may not become evident until construction. If variations then become evident, it will be necessary to re-evaluate the recommendations of this report. If any changes in the nature, design or location of the structure are planned, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions of this report modified or verified in writing.

CLOSURE

Summit appreciates the opportunity to provide our professional engineering services on this project. Should you have any questions concerning this report or if we may be of further assistance, please contact us at your convenience.

Sincerely,
SUMMIT DESIGN AND ENGINEERING SERVICES, PLLC
Firm's NC License No. P-0339

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Project Geologist
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Attachments:

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APPENDIX

1) Legend

2) Boring Location Plan

3) Boring Logs

4) Laboratory Results

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LEGEND

SYMBOLS AND TERMS USED ON BORING LOGS

UNIFIED SOIL CLASSIFICATION (ASTM D 2487-06)

MATERIAL TYPES	CRITERIA FOR ASSIGNING SOIL GROUP NAMES			SOIL GROUP SYMBOL, NAME, AND LEGEND	
COARSE-GRAINED SOILS > 50% RETAINED ON No. 200 SIEVE	GRAVELS > 50% OF COARSE FRACTION RETAINED ON No. 4 SIEVE	CLEAN GRAVELS < 5% FINES	Cu ≥ 4 AND 1 ≤ Cc ≤ 3	GW	WELL-GRADED GRAVEL
			Cu < 4 AND/OR 1 > Cc > 3	GP	POORLY-GRADED GRAVEL
		GRAVEL WITH FINES > 12% FINES	FINES CLASSIFY AS ML OR MH	GM	SILTY GRAVEL
			FINES CLASSIFY AS CL OR CH	GC	CLAYEY GRAVEL
	SANDS ≥ 50% OF COARSE FRACTION PASSING ON No. 4 SIEVE	CLEAN SANDS < 5% FINES	Cu ≥ 6 AND 1 ≤ Cc ≤ 3	SW	WELL-GRADED SAND
			Cu < 6 AND/OR 1 > Cc > 3	SP	POORLY-GRADED SAND
		SANDS AND FINES > 12% FINES	FINES CLASSIFY AS ML OR MH	SM	SILTY SAND
			FINES CLASSIFY AS CL OR CH	SC	CLAYEY SAND
FINE-GRAINED SOILS ≥ 50% PASSES No. 200 SIEVE	SILTS AND CLAYS LIQUID LIMIT < 50	INORGANIC	PI>7 AND PLOTS ON/ABOVE "A" LINE	CL	LEAN CLAY
			PI<4 OR PLOTS BELOW "A" LINE	ML	SILT
		ORGANIC	LL(OVEN DRIED) / LL(NOT DRIED)<0.75	OL	ORGANIC CLAY OR SILT
	SILTS AND CLAYS LIQUID LIMIT ≥ 50	INORGANIC	PI PLOTS ON OR ABOVE "A" LINE	CH	PLASTIC CLAY
			PI PLOTS BELOW "A" LINE	MH	ELASTIC SILT
		ORGANIC	LL(OVEN DRIED) / LL(NOT DRIED)<0.75	OH	ORGANIC CLAY OR SILT

INFERRED ORIGIN OF SOIL

- RESIDUAL - SOIL DERIVED FROM IN-PLACE WEATHERING OF ROCK
- FILL - SOIL TRANSPORTED AND DEPOSITED AT CURRENT LOCATION BY MAN
- ALLUVIAL - SOIL TRANSPORTED AND DEPOSITED AT CURRENT LOCATION BY WATER

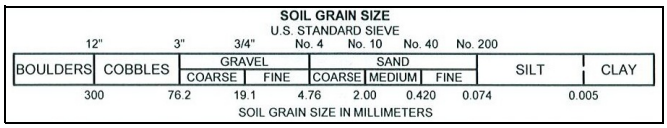
OTHER MATERIAL SYMBOLS

- TOPSOIL
- ASPHALT
- CONCRETE
- FILL (DUAL SYMBOL)
- WEATHERED ROCK
- CRYSTALINE ROCK
- SEDIMENTARY ROCK
- ABC

COMPONENT MODIFIERS

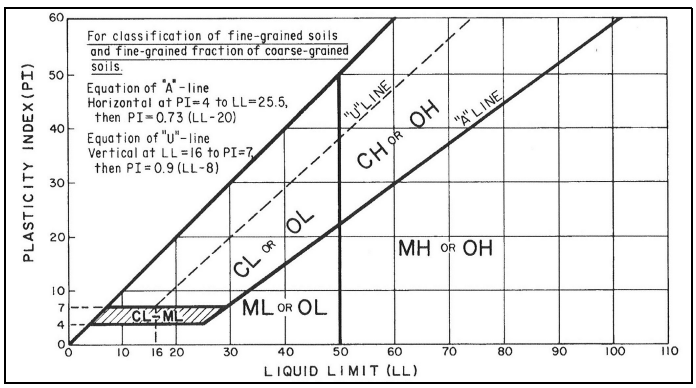
SOIL COMPONENTS	DESCRIPTIVE TERM	COMPONENT
MAJOR	NOUN (SAND, SILT, CLAY)	> 50%
SECONDARY	ADJECTIVE (SANDY, SILTY, CLAYEY)	20 - 50%
OTHERS	WITH	10 - 20%
	TRACE	0 - 10%

$$Cu = \frac{D_{60}}{D_{10}} \qquad Cc = \frac{(D_{30})^2}{D_{10} \times D_{60}}$$



MOISTURE DESCRIPTION

- DRY - REQUIRES ADDITIONAL WATER TO ATTAIN OPTIMUM MOISTURE
- MOIST - AT OR NEAR OPTIMUM MOISTURE
- WET - REQUIRES DRYING TO ATTAIN OPTIMUM MOISTURE
- SATURATED - VERY WET; USUALLY FROM BELOW THE GROUNDWATER TABLE.



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LEGEND
SHEET 1 OF 2

SYMBOLS AND TERMS USED ON BORING LOGS

CONSISTANCY OF COHESIVE SOILS

THE FOLLOWING DESCRIPTIVE TERMS FOR CONSISTENCY APPLY TO COHESIVE SOILS SUCH AS FAT CLAYS AND LEAN CLAYS AS WELL AS SEMI-COHESIVE SOILS SUCH AS ELASTIC SILTS.

UNCONFINED COMPRESSIVE STRENGTH (TSF)	CONSISTANCY	TYPICAL SPT "N" VALUE RANGE
LESS THAN 0.25	VERY SOFT	0 – 2
0.25 TO 0.50	SOFT	3 – 4
0.50 TO 1.00	MEDIUM STIFF	5 – 8
1.00 TO 2.00	STIFF	9 – 15
2.00 TO 4.00	VERY STIFF	16 – 30
GREATER THAN 4.00	HARD	31 – 50
----	VERY HARD	OVER 50

RELATIVE DENSITY OF COHESIONLESS & SEMI-COHESIONLESS SOIL

THE FOLLOWING DESCRIPTIVE TERMS FOR RELATIVE DENSITY APPLY TO COHESIONLESS SOILS SUCH AS GRAVELS, SILTY SANDS, AND SANDS AS WELL AS SEMI-COHESIONLESS SOILS SUCH AS SANDY SILTS AND SEMI-COHESIVE SOILS SUCH AS CLAYEY SANDS.

RELATIVE DENSITY		TYPICAL SPT "N" VALUE RANGE
VERY LOOSE		0 – 4
LOOSE		5 – 10
MEDIUM DENSE		11– 30
DENSE		31 – 50
VERY DENSE		OVER 50

TERMS

ALLUVIUM - SOILS THAT HAVE BEEN TRANSPORTED BY WATER.

RESIDUAL SOIL - SOIL FORMED IN PLACE BY THE WEATHERING OF ROCK.

SAPROLITE - RESIDUAL SOIL THAT RETAINS THE RELIC STRUCTURE OR FABRIC OF THE PARENT ROCK.

POCKET - INCLUSION OF MATERIAL OF DIFFERENT TEXTURE THAT IS SMALLER THAN THE DIAMETER OF THE SAMPLE.

SEAM - INCLUSION 1/8 INCH TO 3 INCHES THICK EXTENDING THROUGH SAMPLE.

LAYER - INCLUSION GREATER THAN 3 INCHES THICK EXTENDING THROUGH THE SAMPLE.

INTERLAYERED - SOIL SAMPLE COMPOSED OF ALTERNATING LAYERS OF DIFFERENT SOIL TYPES.

INTERMIXED - SOIL SAMPLE COMPOSED OF POCKETS OF DIFFERENT SOIL TYPES, LAYERED OR LAMINATED STRUCTURE IS NOT EVIDENT.

NOTES

THE "N" VALUE IS THE NUMBER OF BLOWS FROM A 140-LB WEIGHT HAVING A FREE FALL OF 30-IN REQUIRED TO PENETRATE THE FINAL12-IN OF AN 18-IN SAMPLE INTERVAL.

FIAD - DENOTES FILLED IN AFTER DRILLING

GRAVELS OR SANDS WITH 5 TO 12% FINES REQUIRE DUAL SYMBOLS.

SOILS WERE IDENTIFIED BASED ON IDENTIFICATION OF SOILS (VISUAL-MANUAL PROCEDURE) - ASTM D2488-06 UNLESS OTHERWISE NOTED IN THE LABORATORY SECTION OF THE GEOTECHNICAL REPORT.

REFUSAL AT THE SURFACE OF ROCK, BOULDER, OR OBSTRUCTION IS DEFINED AS A RESISTANCE OF 100 BLOWS FOR 2 INCHES PENETRATION OR LESS.

CORING TERMS

REC - TOTAL LENGTH OF ROCK RECOVERED IN THE CORE BARREL DIVIDED BY THE TOTAL LENGTH OF THE CORE RUN TIMES 100%.

RQD - TOTAL LENGTH OF SOUND ROCK SEGMENTS RECOVERED THAT ARE LONGER THAN OR EQUAL TO 4 INCHES (EXCLUDING MECHANICAL BREAKS) DIVIDED BY THE TOTAL LENGTH OF THE CORE RUN TIMES 100%.

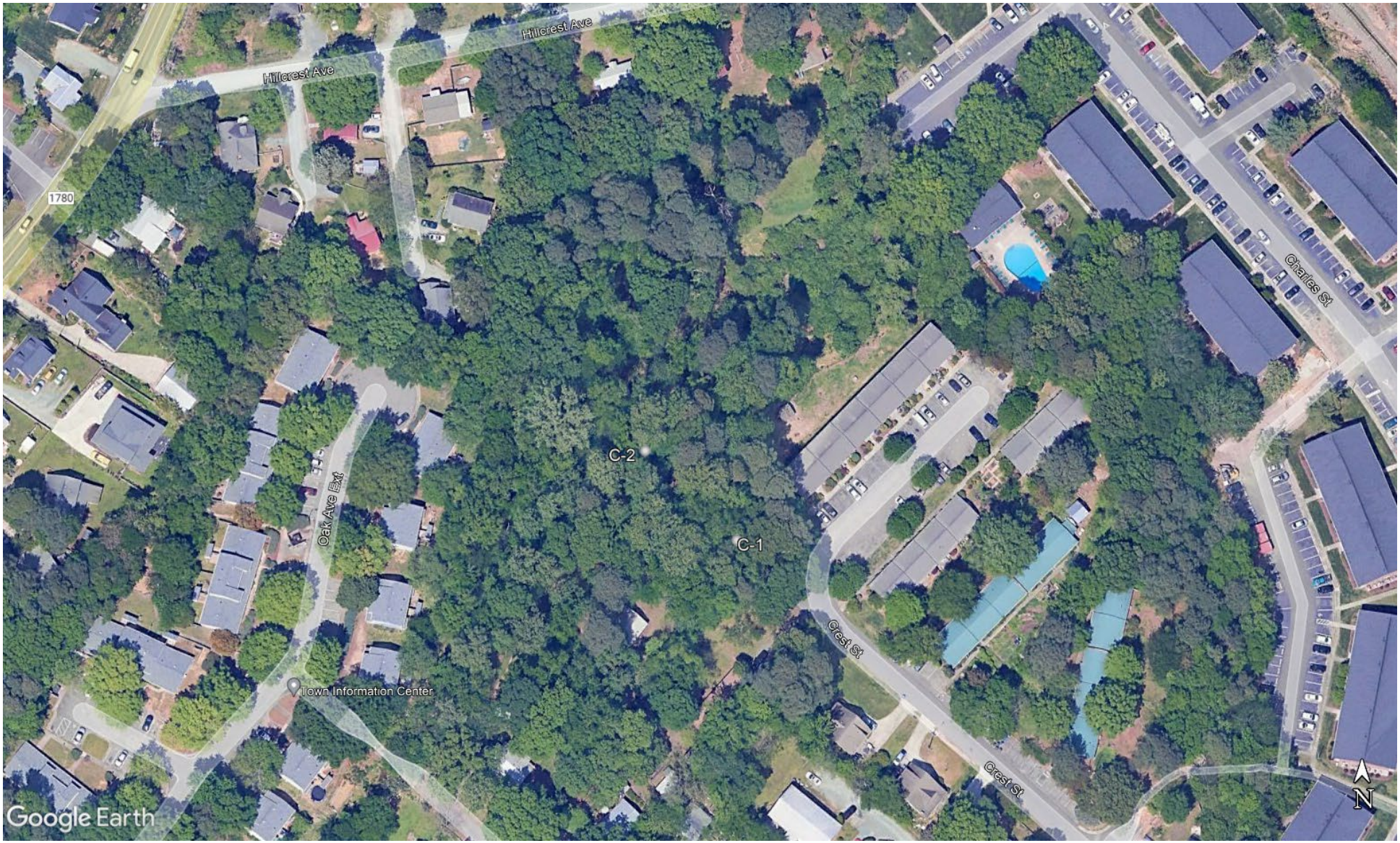
SYMBOLS AND ABBREVIATIONS

ST - SHELBY TUBE SAMPLE
SS- SPLIT SPOON SAMPLE
S - GRAB SAMPLE
▼ 24 HR WATER LEVEL
▽ WATER LEVEL AFTER DRILLING

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BORING LOCATION PLAN



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CARRBORO DUE DILIGENCE – CREST STREET
BORING LOCATION PLAN
CARRBORO, NORTH CAROLINA

DRAWN: ABG	DATE: 4/25/24	BORING PLAN PAGE
ENG CHECK: N/A	SCALE: NTS	1
APPROVAL: N/A	PROJECT NO.: 23-0350.204	

Reference: Google Earth



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CARRBORO DUE DILIGENCE – PATHWAY DRIVE
BORING LOCATION PLAN
CARRBORO, NORTH CAROLINA

DRAWN: ABG	DATE: 4/25/24	BORING PLAN PAGE
ENG CHECK: N/A	SCALE: NTS	2
APPROVAL: N/A	PROJECT NO.: 23-0350.204	

Reference: Google Earth

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BORING LOGS

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: C-1	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 418.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 8.4 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 7.8
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
418.0					GROUND SURFACE				418.0 / 0.0
417.0	1.0								**RESIUDAL** Orange and Tan, medium stiff to stiff, Sandy Lean CLAY (CL)
		3	3	5	8	SS-1	M		
414.5	3.5								414.0 / 4.0
		10	11	8	19	SS-2	M		Orange and Tan, medium dense, Silty SAND (SM)
412.0	6.0								411.5 / 6.5
		5	50/5"		50/5"	SS-3	M		**WEATHERED ROCK** Metavolcanic SLATE
409.6	8.4								409.6 / 8.4
		50/0"			50/0" Boring Terminated at 8.4 ft in Crystalline Rock Metavolcanic SLATE	SS-4			**CRYSTALLINE ROCK** Metavolcanic SLATE

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: C-2	**CLIENT:** Town of Carrboro		**0 HR.** 5.0
ELEVATION: 406.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** 3.5
TOTAL DEPTH: 6.9 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 5.4
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
406.0					GROUND SURFACE				406.0 / 0.0
405.0	1.0								**RESIDUAL**
		3	1	2	3	SS-1	W		Brown and Tan, very loose to loose, Sandy SILT (ML), w/ some weathered rock fragments
402.5	3.5								
		7	3	3	6	SS-2	Sat.		
400.0	6.0								400.0 / 6.0
399.1	6.9	50/5"			50/5"	SS-3	D		399.1 / 6.9 **WEATHERED ROCK** Metavolcanic SLATE
		50/0"			50/0"	SS-4			**CRYSTALLINE ROCK** Metavolcanic SLATE
					Boring Terminated at 6.9 ft in Crystalline Rock Metavolcanic SLATE				

BORE SINGLE 23-0350.204 CARRBORO DUE DILIGENCE GINT.GPJ GINT STD US LAB REV 2018.GDT 4/29/24

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-1	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 487.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 14.3 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 13.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
487.0					GROUND SURFACE				487.0 / 0.0
486.0	1.0								**RESIDUAL**
		3	5	6	11	SS-1	M		Orange and Tan, stiff, Lean CLAY (CL) w/ Sand
483.5	3.5								483.0 / 4.0
		9	12	15	27	SS-2	M		Tan and Orange, medium dense, Silty SAND (SM), MnO staining
481.0	6.0								
		10	12	12	24	SS-3	D		
478.5	8.5								479.0 / 8.0
		6	8	15	23	SS-4	D		Tan and Orange, very stiff, Sandy Lean CLAY (CL), w/ some gravel
									475.0 / 12.0
473.5	13.5								Tan, dense, Silty SAND (SM)
		35	50/3"		50/3"	SS-5	D		473.0 / 14.0
					Boring Terminated at 14.3 ft in Weathered Rock Metavolcanic SLATE				472.7 / 14.3 **WEATHERED ROCK** Metavolcanic SLATE

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-2	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 464.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 15.0 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 13.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
464.0					GROUND SURFACE				464.0 / 0.0
463.0	1.0								**RESIDUAL**
		3	4	5	9	SS-1	M		Tan and Orange, loose, SILT (ML)
460.5	3.5								
		5	7	9	16	SS-2	M		459.5 / 4.5
458.0	6.0								Tan and Gray, medium dense to very dense, Silty SAND (SM)
		7	10	12	22	SS-3	M		
455.5	8.5								
		9	12	16	28	SS-4	M		
450.5	13.5								
		9	27	35	62	SS-5	D		449.0 / 15.0
					Boring Terminated at 15.0 ft in RESIDUAL Silty SAND (SM)				

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SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-3	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 452.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** DRY
TOTAL DEPTH: 12.5 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 12.0
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
452.0					GROUND SURFACE				452.0 0.0
451.0	1.0								**RESIDUAL**
		3	4	5	9	SS-1	M		Orange and Tan, loose to medium dense, SILT (ML)
448.5	3.5								
		5	8	10	18	SS-2	M		
446.0	6.0								446.5 5.5
		9	23	37	60	SS-3	M		Tan and Orange, dense to very dense, Silty SAND (SM)
443.5	8.5								
		28	27	50/4"	50/4"	SS-4	D		442.5 9.5
439.5	12.5								**WEATHERED ROCK** Metavolcanic SLATE 440.0 12.0
		50/0"			50/0"	SS-5	D		439.5 12.5 **CRYSTALLINE ROCK** Metavolcanic SLATE

Boring Terminated at 12.5 ft in Crystalline Rock Metavolcanic SLATE

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Hillsborough, North Carolina 27278
www.summitde.net

SOIL TEST BORING LOG

PROJECT NUMBER: 23-0350.204	**CITY:** Carrboro	**STATE:** North Carolina	**GEOLOGIST:** Katie Haven
PROJECT NAME: Carrboro Due Diligence			**GROUND WATER (ft)**
BORING NUMBER: P-4	**CLIENT:** Town of Carrboro		**0 HR.** DRY
ELEVATION: 449.0 ft	**NORTHING** N/A	**EASTING** N/A	**24 HR.** FIAD
TOTAL DEPTH: 14.0 ft	**DATE STARTED** 3/25/24	**COMPLETED** 3/25/24	**CAVE DEPTH** 12.3
DRILLER: Mike G. Moseley	**DRILL RIG:** CME-550 ATV	**DRILL METHOD:** 3¼" HSA	**HAMMER TYPE:** Automatic

ELEV. (ft)	DEPTH (ft)	BLOW COUNT 0.5ft	0.5ft	0.5ft	BLOWS PER FOOT 0 20 40 60 80 100	SAMP. NO.	MOI	LOG	SOIL AND ROCK DESCRIPTION
449.0					GROUND SURFACE				449.0 / 0.0
448.0	1.0								**RESIDUAL**
		3	4	4	8	SS-1	M		Red, loose to medium dense, Sandy SILT (ML)
445.5	3.5								
		5	6	8	14	SS-2	M		
443.0	6.0								
		3	3	5	8	SS-3	M		
440.5	8.5								441.0 / 8.0
		8	14	23	37	SS-4	D		Brown, Tan, and Orange, hard, Silty SAND (SM) (Drilling started grinding at 12.0 feet)
									437.0 / 12.0
435.5	13.5								**WEATHERED ROCK**
		50/6"			50/6"	SS-5	D		435.0 / 14.0 Metavolcanic SLATE

Boring Terminated at 14.5 ft in Weathered Rock Metavolcanic SLATE

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Creatively Inspired – Technically Executed

REPORT OF HAND AUGERED BORINGS

CLIENT: Town of Carrboro	**BORING NO.:**	**HA-1**
PROJECT: Carrboro Due Diligence	**ELEVATION:**	**500**
LOCATION: Carrboro, North Carolina	**TOTAL DEPTH:**	**10.0**
SUMMIT PROJECT NO.: 23-0350.204	**DATE STARTED:**	**4/12/2024**
GEOLOGIST: Aaron Gross, PG	**DATE COMPLETED:**	**4/12/2024**
PENETROMETER TYPE: DCP	**WEATHER:**	**Sunny, 60s**
REMARKS:		

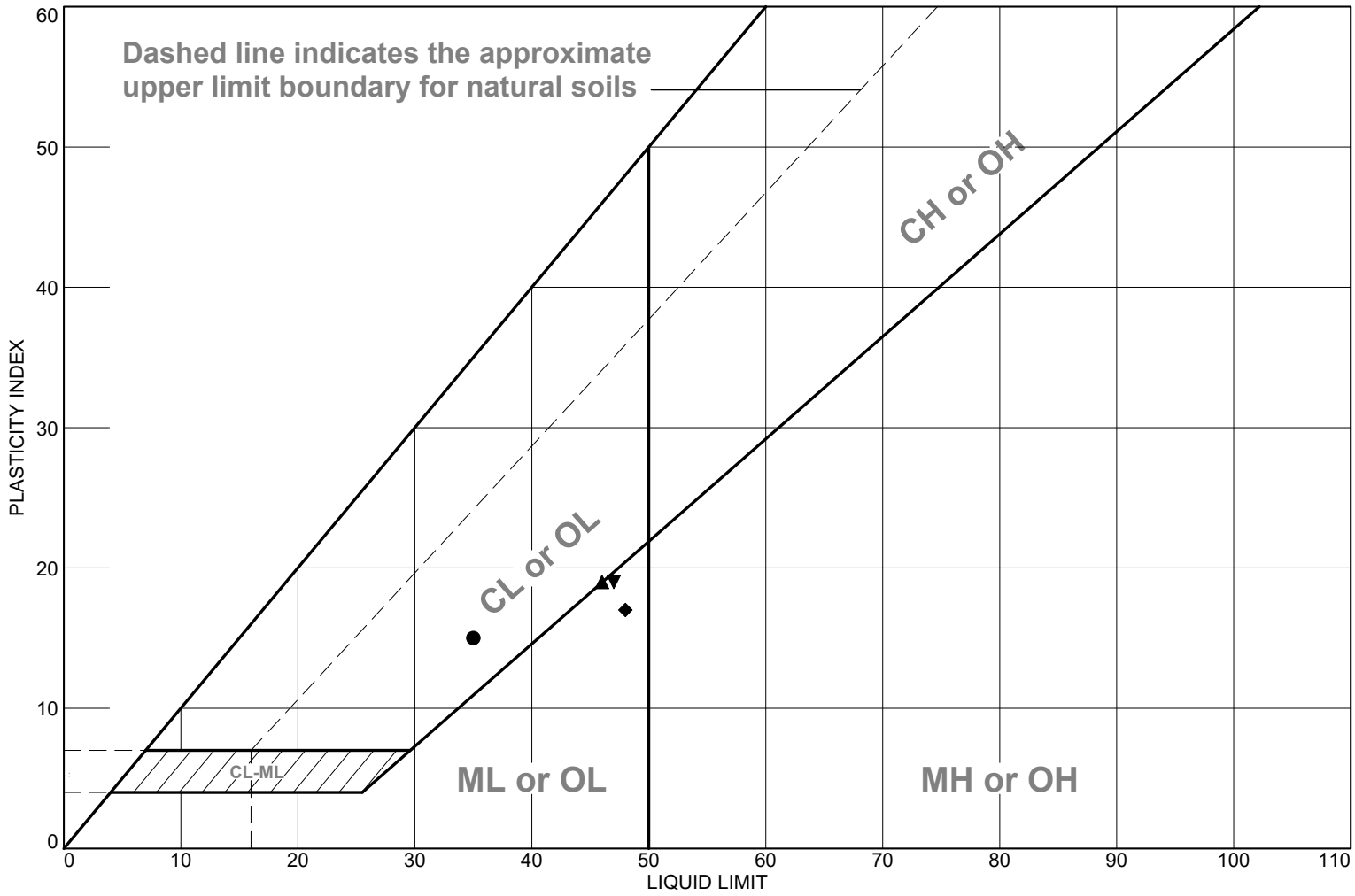
DEPTH FT.	DESCRIPTION	CONE PENETROMETER VALUES BLOWS PER 1-3/4"		
2.0	RESIDUAL – Red-Tan, medium stiff Lean CLAY (CL)	**9**	**8**	**8**
4.0	RESIDUAL – Red-Tan, medium stiff Lean CLAY (CL)	**8**	**16**	**15**
6.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**12**	**25+**	
8.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**7**	**10**	**20**
10.0	RESIDUAL – Tan and White, medium dense SILT (ML)	**11**	**25+**	
Notes:	Hand Auger Terminated at 10.0 ft in Residual Silt			
	No water in borehole at the time of drilling, backfilled upon completion			
	All soils encountered in drilling were dry			

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Hillsborough, NC 27278

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LABORATORY RESULTS

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Orange and Tan Sandy Lean Clay	35	20	15	88.8	59.6	CL
■	Brown and Tan Sandy Silt	17	NP	NP	89.3	51.1	ML
▲	Orange and Tan Lean Clay with Sand	46	27	19	99.4	81.8	CL
◆	Tan and Orange Silt	48	31	17	96.5	88.9	ML
▼	Orange and Tan Silt	47	28	19	96.3	90.5	ML

Project No. 23-0350.204 **Client:** Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

● **Source of Sample:** C-1 **Depth:** 1.0' - 2.5' **Sample Number:** S-944A C-1 SS-1

■ **Source of Sample:** C-2 **Depth:** 1.0' - 2.5' **Sample Number:** S-944B C-2 SS-1

▲ **Source of Sample:** P-1 **Depth:** 1.0' - 2.5' **Sample Number:** S-944C P-1 SS-1

◆ **Source of Sample:** P-2 **Depth:** 1.0' - 2.5' **Sample Number:** S-944D P-2 SS-1

▼ **Source of Sample:** P-3 **Depth:** 1.0' - 2.5' **Sample Number:** S-944E P-3 SS-1

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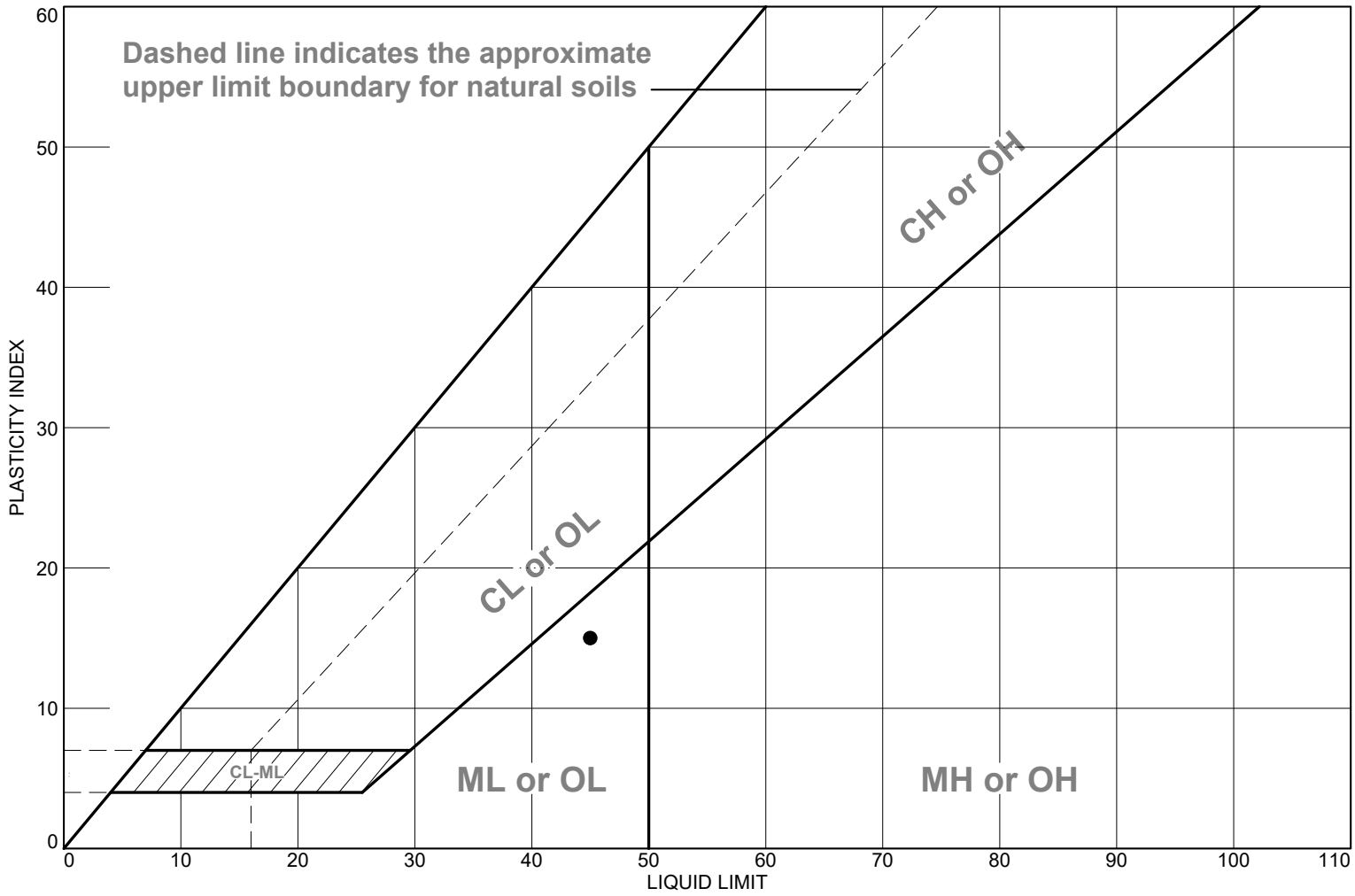
Remarks:

● NMC=23.0%
■ NMC=14.2%
▲ NMC=28.4%
◆ NMC=32.0%
▼ NMC=26.0%

Figure

Tested By: Katie Haven **Checked By:** M. Lill

LIQUID AND PLASTIC LIMITS TEST REPORT



	MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
●	Red Sandy Silt	45	30	15	91.8	68.4	ML

Project No. 23-0350.204 **Client:** Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

● **Source of Sample:** P-4 **Depth:** 3.5' - 5.0' **Sample Number:** S-944F P-4 SS-2

Remarks:

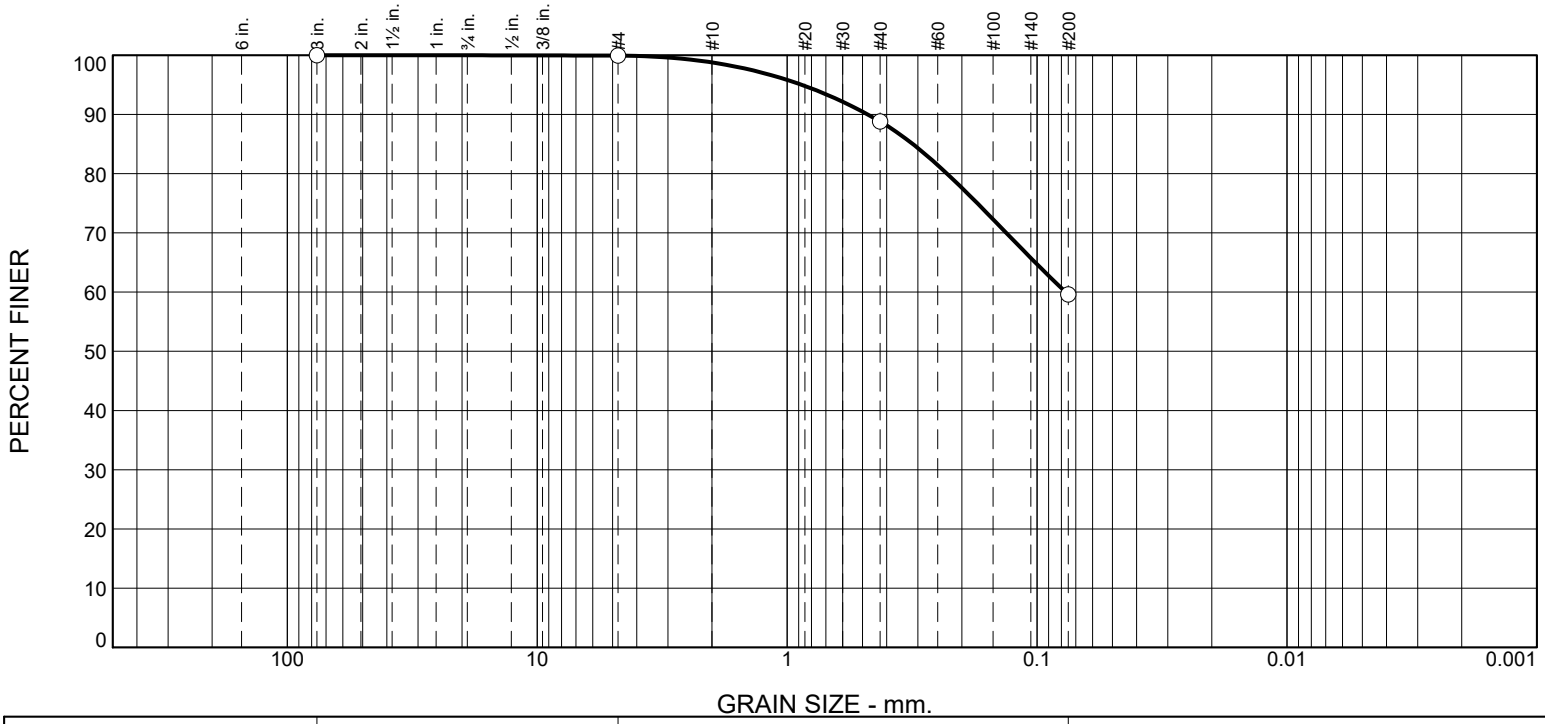
● NMC=30.7%

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Figure

Tested By: Katie Haven **Checked By:** Jonathan Pope

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	1.1	10.0	29.2	59.6	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.9		
#40	88.8		
#200	59.6		

· (no specification provided)

Material Description

Orange and Tan Sandy Lean Clay

Atterberg (ASTM D4318)

PL= 20 **LL=** 35 **PI=** 15

Coefficients

D_{90}= 0.4763 D_{85}= 0.3144

D_{60}= 0.0768 D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: _____ **Technician:** _____

Test Notes

USCS (ASTM D2487)

CL

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: C-1 **Depth:** 1.0' - 2.5'

Sample Number: S-944A C-1 SS-1

SUMMIT DESIGN AND ENGINEERING SERVICES

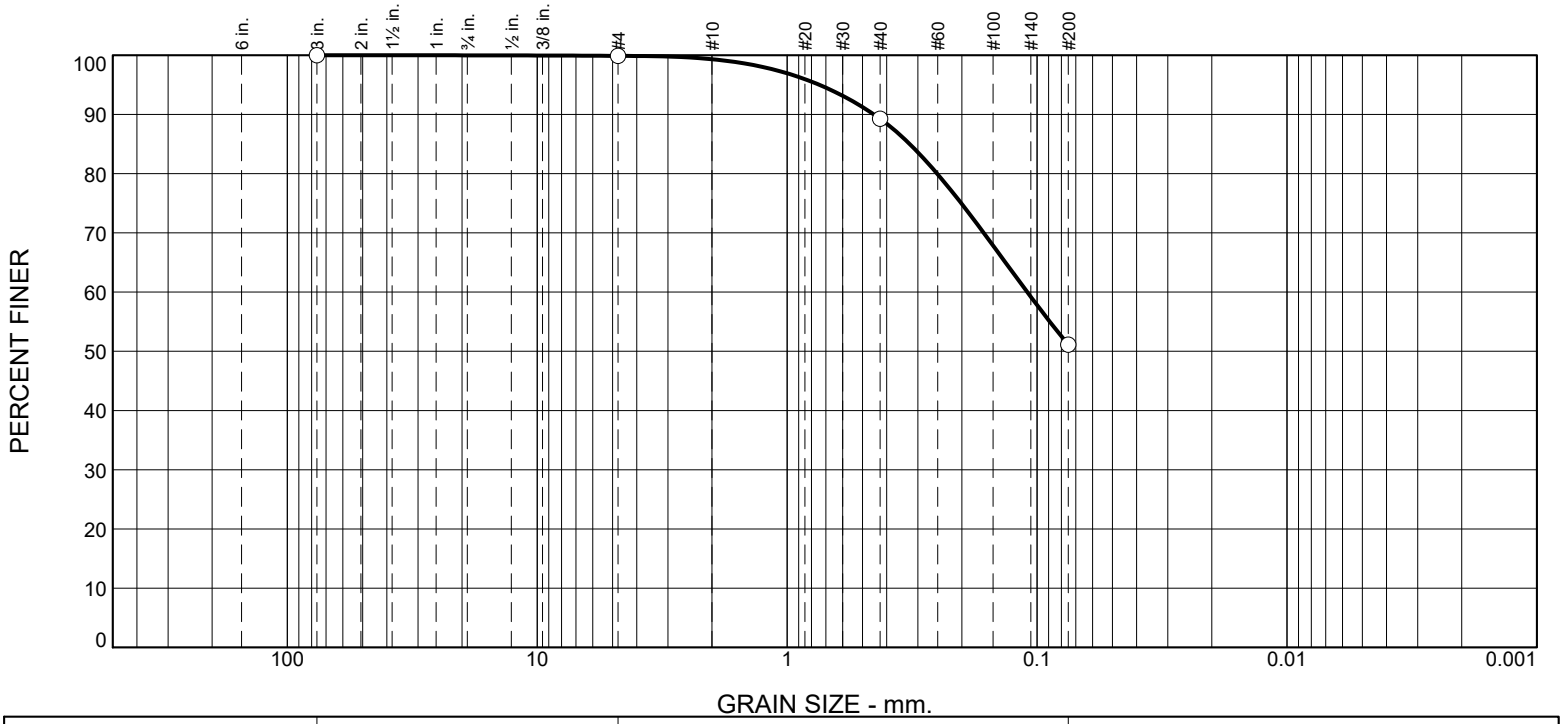
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.1	0.6	10.0	38.2	51.1	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.9		
#40	89.3		
#200	51.1		

* (no specification provided)

Material Description

Brown and Tan Sandy Silt

Atterberg (ASTM D4318)

PL= NP **LL=** 17 **PI=** NP

Coefficients

D_{90}= 0.4499 D_{85}= 0.3233

D_{60}= 0.1094 D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

ML

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: C-2 **Depth:** 1.0' - 2.5'

Sample Number: S-944B C-2 SS-1

SUMMIT DESIGN AND ENGINEERING SERVICES

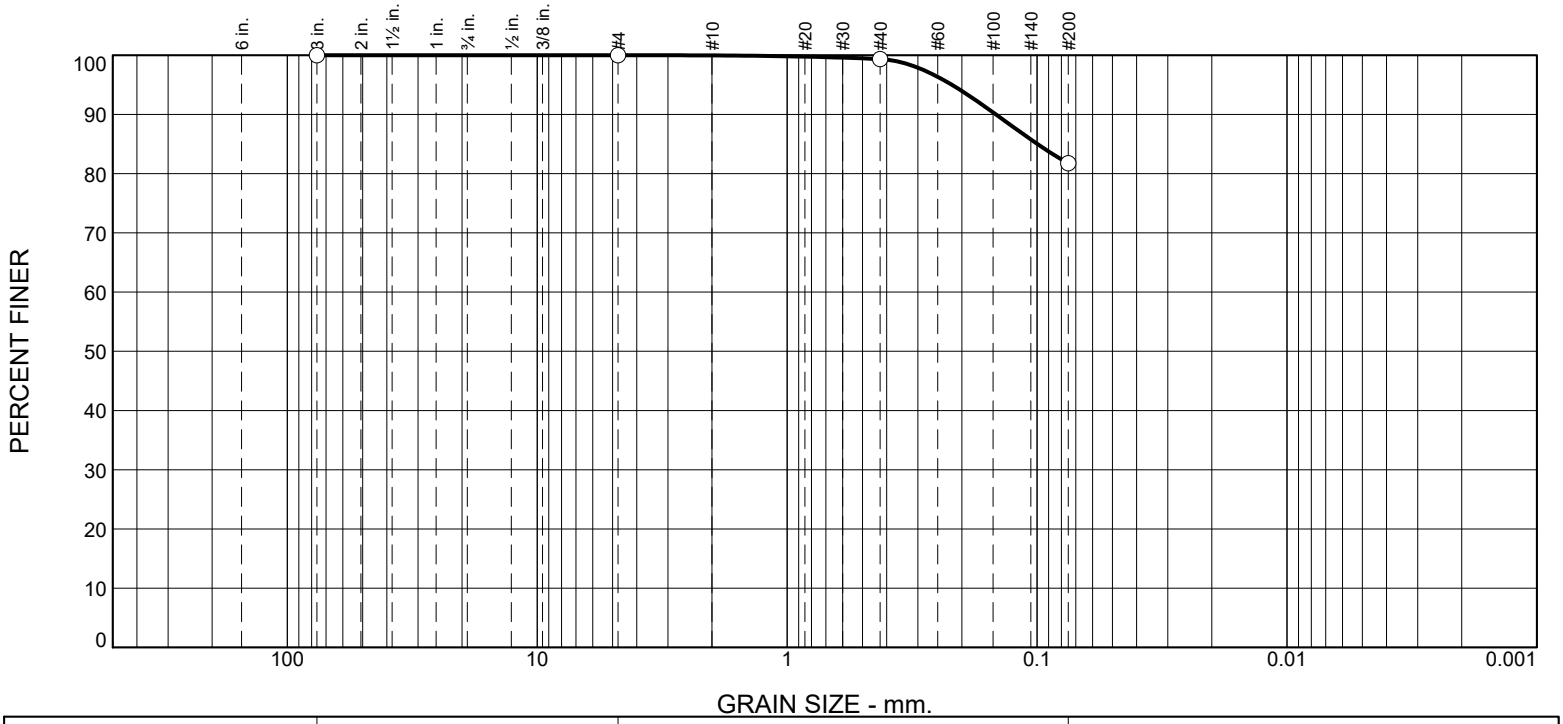
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.0	0.6	17.6	81.8	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	100.0		
#40	99.4		
#200	81.8		

* (no specification provided)

Material Description

Orange and Tan Lean Clay with Sand

Atterberg (ASTM D4318)

PL= 27 **LL=** 46 **PI=** 19

Coefficients

D_{90}= 0.1462 D_{85}= 0.0996

D_{60}= D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

CL

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: P-1 **Depth:** 1.0' - 2.5'

Sample Number: S-944C P-1 SS-1

SUMMIT DESIGN AND ENGINEERING SERVICES

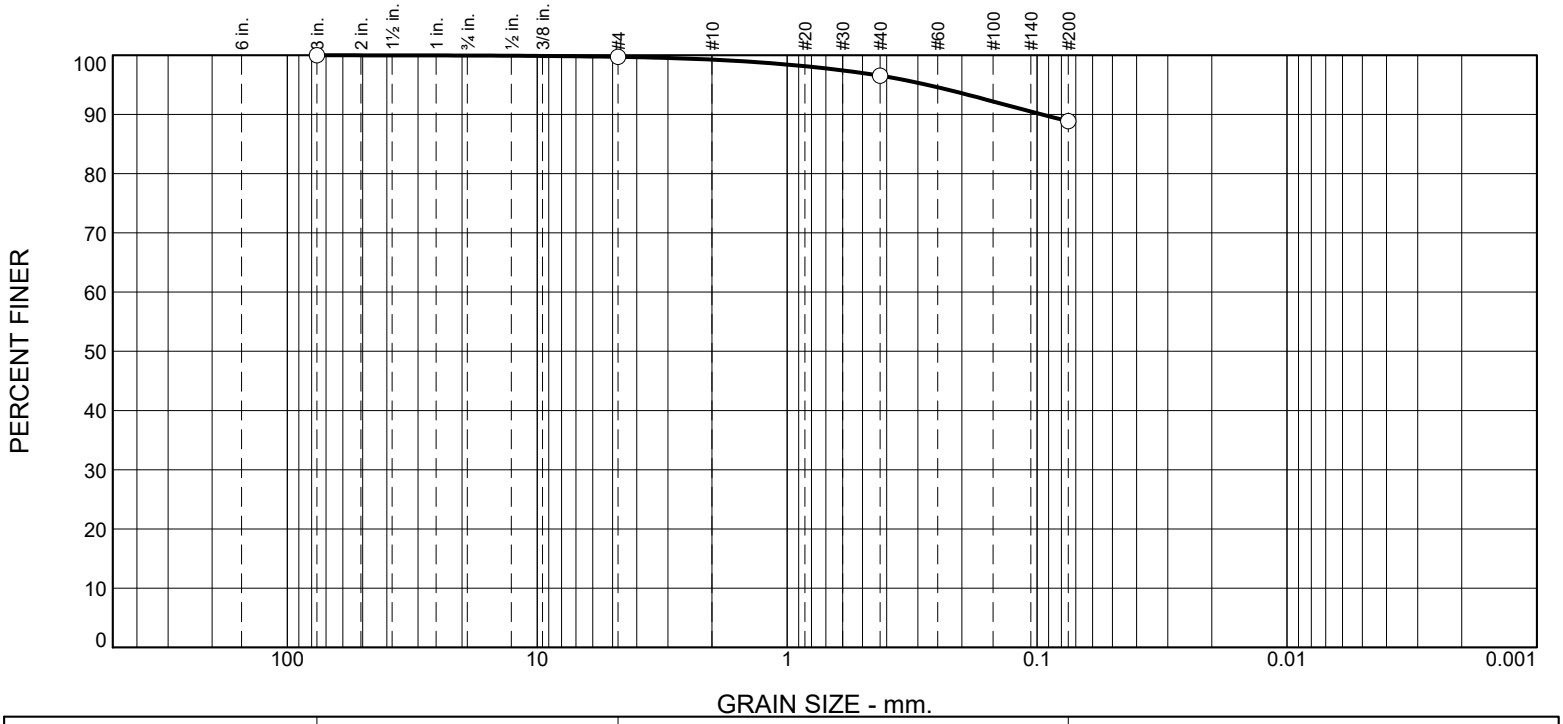
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.4	2.8	7.6	88.9	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.7		
#40	96.5		
#200	88.9		

* (no specification provided)

Material Description
Tan and Orange Silt

Atterberg (ASTM D4318)
PL= 31 **LL=** 48 **PI=** 17

Coefficients
D_{90}= 0.0959 D_{85}=
D_{60}= D_{50}=
D_{30}= D_{15}=
D_{10}=
C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)
ML

Date Sampled: 03/25/24
Date Received: 03/26/24
Checked By: M. Lill
Title: PM

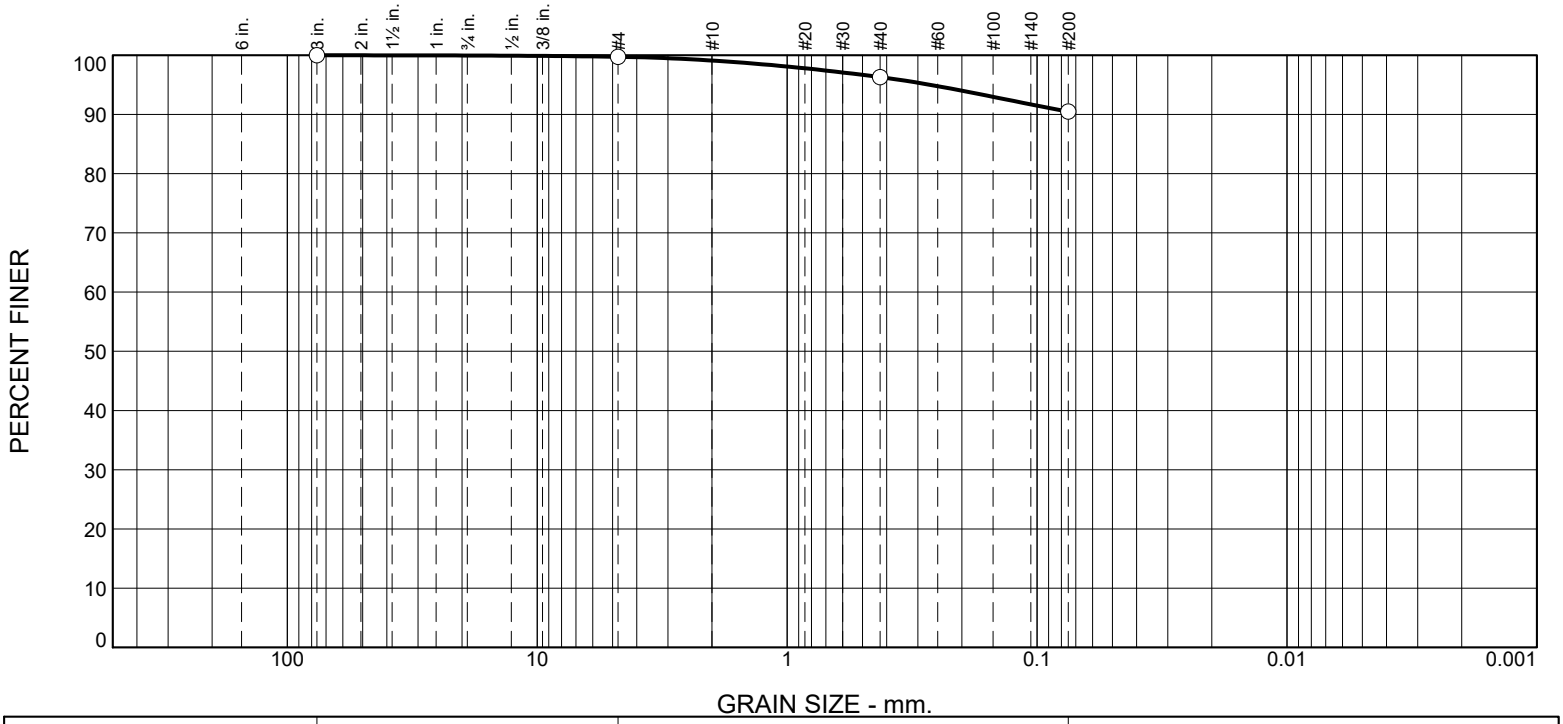
Source of Sample: P-2 **Depth:** 1.0' - 2.5'
Sample Number: S-944D P-2 SS-1

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Client: Town of Carrboro, North Carolina
Project: Carrboro Due Diligence

Project No: 23-0350.204 **Figure**

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.3	0.6	2.8	5.8	90.5	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	99.7		
#40	96.3		
#200	90.5		

· (no specification provided)

Material Description

Orange and Tan Silt

Atterberg (ASTM D4318)

PL= 28 **LL=** 47 **PI=** 19

Coefficients

D_{90}= D_{85}=

D_{60}= D_{50}=

D_{30}= D_{15}=

D_{10}=

C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)

ML

Date Sampled: 03/25/24

Date Received: 03/26/24

Checked By: M. Lill

Title: PM

Source of Sample: P-3 **Depth:** 1.0' - 2.5'

Sample Number: S-944E P-3 SS-1

SUMMIT DESIGN AND ENGINEERING SERVICES

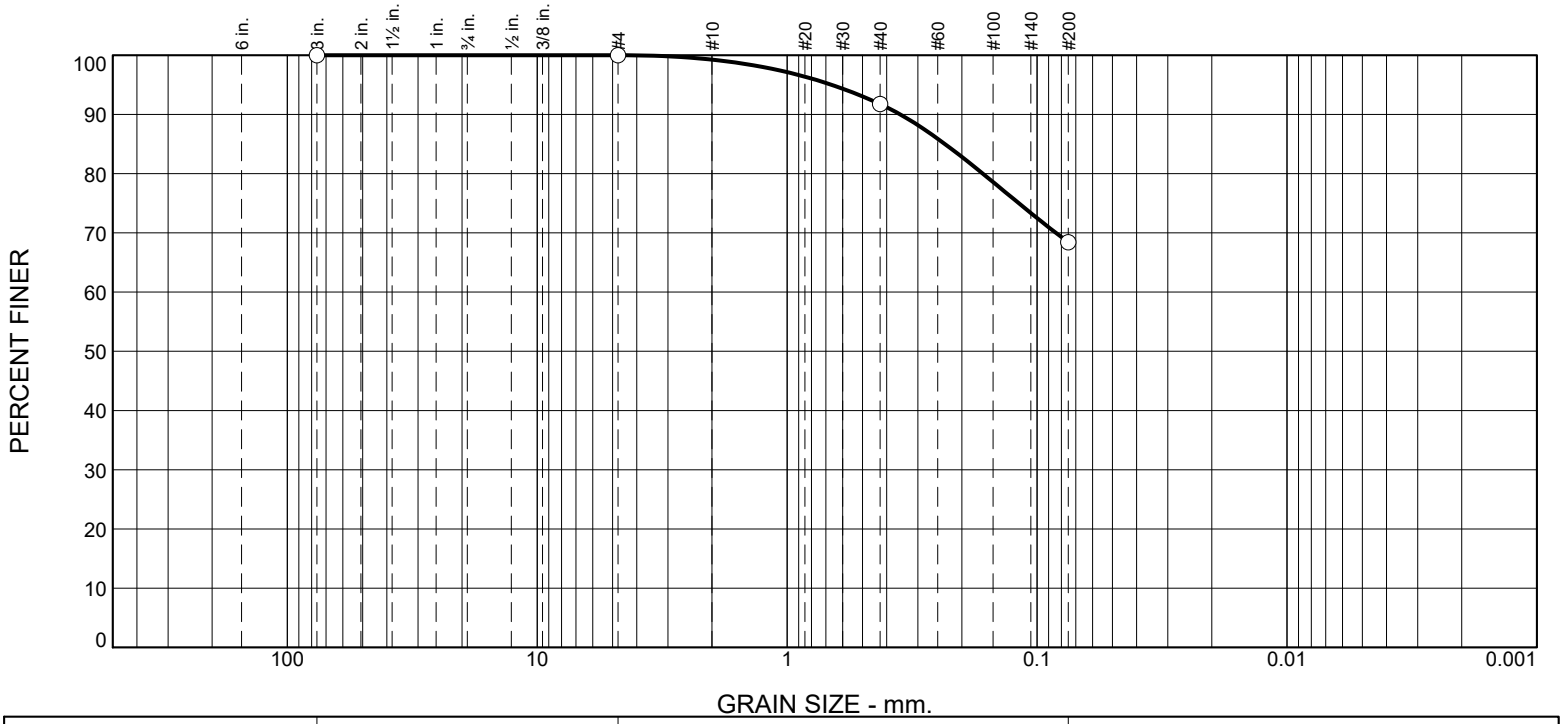
Client: Town of Carrboro, North Carolina

Project: Carrboro Due Diligence

Project No: 23-0350.204

Figure

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	0.0	0.0	0.7	7.5	23.4	68.4	

Test Results (ASTM D6913 & D1140)

Sieve Size or Diam. (mm.)	Finer (%)	Spec.* (%)	Out of Spec. (%)
3	100.0		
#4	100.0		
#40	91.8		
#200	68.4		

* (no specification provided)

Material Description
Red Sandy Silt

Atterberg (ASTM D4318)
PL= 30 **LL=** 45 **PI=** 15

Coefficients
D_{90}= 0.3529 D_{85}= 0.2337
D_{60}= D_{50}=
D_{30}= D_{15}=
D_{10}=
C_u= C_c=

Sieve Test (ASTM D6913 & D1140)

Test Date: 04/02/24 **Technician:** Jonathan Pope

Test Notes

Hydrometer Test

Test Date: N/A **Technician:** N/A

Test Notes

USCS (ASTM D2487)
ML

Date Sampled: 03/25/24
Date Received: 03/26/24
Checked By: M. Lill
Title: PM

Source of Sample: P-4 **Depth:** 3.5' - 5.0'
Sample Number: S-944F P-4 SS-2

SUMMIT DESIGN AND ENGINEERING SERVICES

Client: Town of Carrboro, North Carolina
Project: Carrboro Due Diligence

Project No: 23-0350.204 **Figure**

June 11, 2024

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Subject: Phase I Environmental Site Assessment
Crest Street
Carrboro, NC 27510
Project No. 23-0350.204

Dear Ms. Vanaman

Please find enclosed the Phase I Environmental Site Assessment we have completed for the above referenced subject property. We appreciate this opportunity to serve you. Please contact me if you have any questions about the report.

Sincerely,
Summit Design & Engineering Services

Aaron B. Gross
Senior Geologist

Phase I Environmental Site Assessment Report

Crest Street
Carrboro, NC 27510



Prepared by
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278

Prepared for
Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

May 31, 2024
Project # 23-0350.204

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1.0 GENERAL INFORMATION

Project Information:
Carrboro Due Diligence - Crest Street
Project Number:
23-0350.204

Consultant Information:
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278
Phone: (919) 732-3883
E-mail Address: aaron.gross@summitde.com
Inspection Date: April 11, 2024
Report Date: May 31, 2024

Site Information:
Crest Street
Crest Street
Carrboro, NC 27510
County: Orange
Latitude, Longitude: 35.918907, -79.071042
Site Access Contact:

Client Information:
Anne-Marie Vanaman
amvanaman@carrboronc.gov
301 W. Main Street
Carrboro, North Carolina 27510

Site Assessor

Aaron B. Gross
Senior Geologist

Senior Reviewer

Aaron B. Gross
Senior Geologist

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Aaron B. Gross - Senior Geologist

2.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in conformance with and generally met the requirements of ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions.

The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

This ESA was performed by or under the responsible charge of an Environmental Professional (EP) as defined in the ASTM E1527-21 Standard. The assessment was conducted by Aaron Gross with Summit Design & Engineering Services, PLLC.

2.1 Subject Property Description

The subject property is known as Crest Street and is located off of Crest Street, Carrboro, NC. According to information obtained from the Orange County Geographic Information System (GIS), the Pin Id for the subject property is 9778899390.

The subject property consists of approximately 1.08 acres and is located at 35.918907 latitude & -79.071042 longitude. Currently the site is undeveloped and wooded. A sanitary sewer line transects the site from west to east. The ground surface at the subject property slopes to the northwest before meeting a stream that flows from the southwest to the northeast. A Sanitary Sewer transects the property from west to east. The subject property can be accessed from Crest Street from the southeast. The subject property is zoned Residential. The area surrounding the subject property is primarily residential, with single-story homes and one-story apartment buildings surrounding the subject property.

The subject property is undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

2.2 Environmental Report Summary

A summary of findings from the Phase I ESA is provided in the table below. Summit recommends that this report be read in its entirety to achieve a more comprehensive and detailed understanding of the findings presented below.

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
4.3	**Current Use of Subject Property**	X					
4.5	**Adjoining Property Information**	X					
6.2.7	**Previous Environmental Reports**	X					
6.2.9	**Historical Summary**	X					

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
6.3	**Standard Environmental Record Resources**	X					
7.3.1	**Drains and Sumps**	X					
7.3.2	**Other**						

2.3 Conclusions

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Crest Street). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

3.0 INTRODUCTION

A Phase I Environmental Site Assessment is a qualitative study of existing information and available records along with a site inspection designed to identify, to the extent feasible, environmental contamination liabilities in connection with a parcel of commercial real estate. This Phase I Environmental Site Assessment was performed in conformance with and generally met the requirements of the American Society for Testing and Materials (ASTM) E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* This assessment was conducted under the supervision or responsible charge of an individual who qualifies as an Environmental Professional (EP), as defined in the ASTM E1527-21 Standard.

Summit Design & Engineering Services performed a Phase I Environmental Site Assessment (Phase I ESA) of the subject property (Crest Street) located in Orange County, NC.

3.1 Purpose

The purpose of the ASTM E1527-21 Standard is to define good commercial and customary practice in the United States of America for conducting an environmental assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products.

This practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability, also known as Landowner Liability Protections (LLPs). This practice constitutes all appropriate inquiries into the previous ownership and uses of the property, consistent with good commercial and customary practice as defined in 42 U.S.C. 9601(35)(B).

The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions. The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

A condition determined to be a de minimis condition is not a recognized environmental condition. A de minimis condition is defined by the ASTM E1527-21 Standard as "a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

3.2 Scope of Work

Summit Design & Engineering Services was contracted by Town of Carrboro to conduct a Phase I ESA for the subject property (Crest Street). Our services were provided in accordance with and are described in detail within Summit's Proposal "Town of Carrboro Proposal for Town Owned Land - Site Assessment (RFQ #2023-425-2," dated January 27, 2023 and revised August 28, 2023.

The Phase I ESA conducted at the subject property was in general accordance with ASTM Standard E1527-21 and included the following:

- A site reconnaissance and visual survey of properties proximate to the subject property,
- Review of records and interviews with regulatory officials and representatives regarding current and former operations at the subject property,

- A review of historical resources, such as: property records, topographic maps, fire insurance maps, city directories, and aerial photographs,
- Review of previous environmental site assessments, if made available,
- Review of State and Federal environmental database information, and
- Evaluation of information and preparation of the report provided herein.

Typically, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. These activities would be carried out under separate cover, if necessary.

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."
Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services unless otherwise described in Section 9.0 of this report.

3.3 Significant Assumptions

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this practice is intended to reduce but not eliminate uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. A Phase I ESA is not an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, might be a material detriment to the orderly completion of transactions.

One of the purposes of the ASTM E1527-21 Standard Practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the User, and the information developed in the course of the inquiry.

Phase I ESAs, such as the one performed for this site, are of limited scope, are non-invasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site. It was not the purpose of this study to determine the actual presence, degree, or extent of contamination, if any, at this site. This determination could require additional exploratory work, including sampling and laboratory analysis.

Information obtained for this ESA was collected from numerous different sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the Client. However, in some instances, the information requested is not, or was not, received by the issuance date of the report. It should be recognized that environmental concerns may be documented in information not received or public records that are not reviewed. Observations, conclusions, and opinions presented within this report are necessarily limited to conditions observed and materials reviewed at the time this study was undertaken.

3.4 Limitations and Exceptions

This Phase I ESA was performed in general conformance with the ASTM E1527-21 Standard. However, limiting conditions are commonly encountered by an EP during the course of a Phase I ESA. Limiting conditions can vary significantly from physical obstructions or access issues during the site reconnaissance to the inability to obtain information or interview key personnel before the reporting deadline. Limitations and exceptions to ASTM Standard E1527-21 noted during the course of the Phase I ESA are discussed below:

- Thick vegetation and dense ground cover limited visibility in many areas of the subject property.

3.5 Deviations

Limiting conditions, if significant enough, can lead to deviations from the ASTM E1527-21 Standard Practice. Limiting conditions and resulting deviations from the ASTM Standard Practice can lead to data gaps. A data gap is defined by the ASTM E1527-21 Standard as "a lack of or inability to obtain information required by this practice despite good faith efforts by the EP to gather such information." Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

A data gap by itself is not inherently significant and can be commonly encountered by an EP during the course of a Phase I ESA. In most cases, the gaps in information can be filled by the EP through other avenues of research and investigation. However, in some instances, data gaps can be considered significant. A significant data gap is defined by the ASTM E21527-21 Standard as "a data gap that affects the ability of the environmental professional to identify a recognized environmental condition."

Deviations from the ASTM 1527-21 Standard Practice and resulting data gaps encountered during this Phase I ESA are listed with their significance evaluated and discussed in the following paragraphs below:

- The ASTM E1527-21 Standard requires the EP to identify the historical use of the property in five-year intervals back to its first developed use or to 1940, whichever is earlier. The term developed use includes agricultural purposes and the placement of fill dirt. Summit traced the history of the subject property back to 1946. Per Section 8.3.6 of the ASTM Standard, this is considered a data failure which is one type of data gap. However, Summit does not consider this to be a significant data gap. Given our earliest knowledge of the site and surrounding area, Summit considers it highly unlikely that the subject property was used for anything other than pasture land prior to 1946.

- Summit was unable to interview past owners of the subject property per Section 10.0 of the ASTM Standard and this is considered a data gap. However, Summit does not consider this to be a significant data gap. Summit considers it unlikely that the previous property owners would have additional pertinent information on the subject property beyond what was researched and obtained by Summit during this Phase I ESA.

3.6 Special Terms and Conditions

No warranty, expressed or implied, is made concerning the conclusions and opinions presented within this report. The findings of this ESA are not intended to serve as an audit for health and safety compliance issues pertaining to improvements or activities at the site. Summit is not liable for the discovery or elimination of hazards that may potentially cause damage, accidents, or injury. The limitations described herein must be considered when the User of this report formulates opinions as

to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated but not eliminated through additional research or assessment.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance, and other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). We have no obligation to provide information obtained or discovered by us after the date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions or opinions in the report.

This practice does not address requirements of any state or local laws or of any federal laws other than the "all appropriate inquiries" provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard to hazardous substances or petroleum products potentially discovered on the property that are not addressed in this practice and that may pose risks of civil or criminal sanctions for non-compliance. Furthermore, observations, conclusions, and opinions presented within this report are not to be construed as legal interpretations or advice.

3.7 Reliance

This Phase I ESA report was prepared for the exclusive use and reliance of Town of Carrboro (Client). Use or reliance by any other party is prohibited without the written authorization of the Client and Summit. If the Client is aware of additional parties that will require reliance on the ESA report, Summit may grant reliance on the ESA report to those approved parties upon receipt of a fully executed Reliance Agreement (available upon request) and receipt of the information requested in the Reliance Agreement. Reliance on the ESA by the Client and all authorized parties will be subject to the terms, conditions, and limitations stated in the Standard Contract for Professional Services, Summit's Proposal, the Reliance Agreement, and the Phase I ESA report.

The limitation of liability defined in the Standard Contract for Professional Services is the aggregate limit of Summit's liability to the Client and all relying parties. The continued viability of the report is subject to ASTM E1527-21 Sections 4.6 and 4.8. If the ESA is used by a different user (third party), then the user for whom the ESA was initially prepared, the third party must also satisfy the User's Responsibilities in Section 6 of the ASTM E1527-21 Standard.

4.0 SUBJECT PROPERTY DESCRIPTION

The term "subject property" is utilized throughout the ASTM Standard and within this report. The ASTM E1527-21 Standard defines the subject property as "the property that is the subject of the environmental site assessment described in this practice." The subject property of this Phase I ESA is thoroughly defined and described in the following sections. For detailed maps showing the subject property and the surrounding area, please see Figures I - II located in Appendix A.

4.1 Location and Legal Description

The subject property is known as Carrboro Due Diligence - Crest Street , which is an approximately 1.08 acre parcel and is located at Crest Street , Carrboro , NC . According to information obtained from the Orange County Geographic Information System (GIS), the Pin Id for the subject property is 9778899390 .

4.2 Subject Property and Surrounding Area Description

The subject property consists of approximately 1.08 acres and is and is currently undeveloped and wooded. The ground surface at the subject property slopes to the northwest before meeting a stream that flows from the southwest to the northeast. A sanitary sewer transects the property from west to east. The subject property can be accessed from Crest Street from the southeast. The subject property is zoned Residential. The area surrounding the subject property is primarily residential, with single-story homes and one-story apartment buildings surrounding the subject property.

4.3 Current Use of Subject Property

The subject property is undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

According to the Town of Carrboro Zoning information available on Orange County GIS, the subject property is zoned Residential.

4.4 Description of Structures and Other Improvements

A sanitary sewer transects the subject property from west to east. No other structures are on the property. Therefore, no utilities are connected to the subject property at this time. Based on its location within Carrboro city limits, it is assumed that the Town of Carrboro can connect to this property for water and sewer services, and that Duke Energy would supply electricity and Dominion Energy would provide natural gas.

Property Summary	
Size of Property (approximate):	1.08 Acres
General Topography of Property:	Gently Rolling
Adjoining and/or Access/Egress Roads:	Crest Street
Paved or Concrete Areas (including parking):	N/A
Unimproved Areas:	The entire site
Landscaped Areas:	N/A
Surface Water:	One stream that flows west to east
Potable Water Source:	N/A
Sanitary Sewer Utility:	N/A
Storm Sewer Utility:	N/A
Electrical Utility:	N/A

Natural Gas Utility:	N/A

4.5 Adjoining Property Information

The ASTM E1527-21 Standard defines adjoining properties as "any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them." The following table summarizes the occupants, uses, and other additional pertinent information for the adjoining properties:

Adjoining Property Information			
Direction From Subject Property	**Occupant**	**Use**	**Comments**
Northeast	COMPROP LLC	Multi-Family	Single-story apartments with wooded areas
Southeast	Matthew Hedt	Residential	Abandoned building (assumed prior single family residential)
Southeast	Lyle Lansdell	Residential	Single family residential
Southwest	Clark Church	Residential	Single family residence
Northwest	Town of Chapel Hill	Multi-Family	Multi-family residences, Single family residence at 104 Hillcrest Ave owned by Bryanna Ocitti
Northwest	Bryanna Ocitti	Residential	Single family residence

5.0 USER-PROVIDED INFORMATION

The ASTM E1527-21 Standard defines the User as "the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property." A User may include, without limitation, a potential purchaser of the property, a prospective tenant of the property, an owner of the property, a lender, or a property manager.

The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that certain tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the EP, the EP should request that the User provide the results of these tasks as such information can assist the EP in identifying RECs in connection with the subject property. If the User does not communicate this information (Section 6.0 of the ASTM E1527-21 Standard), the EP should consider the absence of such information as a Data Gap. In the case of this Phase I ESA, Summit has identified the User as the Client, Town of Carrboro.

Per the ASTM E1527-21 Standard, the *User Questionnaire* should be completed and signed by the User or a designated representative of the User who is familiar with the subject property. This questionnaire is designed to summarize the topics and information that should be communicated to the EP, which, when completed by the User, should satisfy the User's Responsibilities under Section 6.0 of the ASTM Standard.

The *User Questionnaire* was submitted to Anne-Marie Vanaman, Housing and Community Services Director with Town of Carrboro, via email on April 5, 2024. The questionnaire was completed by Martin Roupe, Development Review Administrator and Laura Janway, Environmental Sustainability Coordinator with Town of Carrboro and returned to Summit on May 22, 2024. Their responses are summarized in the following sections, and a copy of the completed *User Questionnaire* can be found located in Appendix H.

5.1 Environmental Liens

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Environmental Liens filed or recorded against the subject property under federal, tribal, state, or local law.

5.2 Activity and Use Limitations

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Activity and Use Limitations (AULs), such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed against the subject property under federal, tribal, state, or local law.

5.3 Specialized Knowledge or Experience

Town of Carrboro did not report having any specialized knowledge or experience related to the subject property or nearby properties.

5.4 Valuation Reduction for Environmental Issues

A lower purchase price may be an indication of known or suspected contamination present on the property. Town of Carrboro reported that the purchase price being paid for the subject property reasonably reflects the fair market value.

5.5 Commonly Known or Reasonably Acertainable Information

Town of Carrboro responded that they were not aware of any of the past uses of the subject property. They were also not aware of any specific chemicals present or once preset, spills or chemical releases, or environmental cleanups that have taken place at the subject property.

5.6 Obvious Indicators of Contamination

Town of Carrboro reported that based on their knowledge and experience, there are no obvious indicators that point to the presence or likely presence of releases of hazardous substances or petroleum products at the subject property.

5.7 Reason For Performing Phase I ESA

Town of Carrboro indicated that the reason why the Phase I ESA is being performed is for the planned residential development of the subject property. They also stated that the type of property transaction was a purchase of the subject property.

6.0 RECORDS REVIEW

The purpose of the Records Review is to obtain and review records that will help identify RECs in connection with the subject property. The following section includes Summit's review of the Standard Federal, State, and Tribal Environmental Record Sources, Standard Physical Setting Resources, and Standard Historical Information Sources required by the ASTM E1527-21 Standard. To enhance and supplement the ASTM-required standard record sources, Summit also reviewed additional environmental record sources, additional physical setting resources, and other historical resources.

6.1 Physical Setting

The migration of environmental contamination in the subsurface can be influenced by surface topography, surface hydrology, soil characteristics, geology, and hydrogeology (i.e., groundwater flow direction and velocity). A detailed understanding of the physical setting of the subject property is, therefore, essential to the Environmental Professional (EP) in forming a professional opinion about the behavior of potential on-site contamination or the potential risk of contaminant migration from off-site sources should they be uncovered during the course of the ESA.

Summit reviewed physical setting information for the subject property from several different sources, including Environmental Data Resources, Inc. (EDR), the United States Geological Survey (USGS), the United States Department of Agriculture (USDA), and the North Carolina Geological Survey (NCGS).

General site settings including topography, surface water bodies, geology and hydrology are detailed in the following sections.

6.1.1 Topography

Surface topography may be indicative of the direction of shallow groundwater flow. This information can be used to assist the EP in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the subject property, what down-gradient sites might be impacted.

The subject property is located within the Piedmont Physiographic Province and would be best characterized as gently rolling with well-rounded hills and long low ridges. The topographic high of approximately 435 feet above sea level is located near the eastern corner of the subject property. Topographic lows of approximately 410 feet occur at the northern end of the subject property.
A copy of the USGS Chapel Hill, 2022, 7.5 Minute Quadrangle Topographic Map reviewed for the subject property can be found located in Appendix C.

Based on a review of the 2022 USGS topographic map for the subject property area, groundwater is inferred to flow generally to the northeast towards Bolin Creek.

6.1.2 Surface Water Bodies

Surface water features (i.e., rivers, creeks, lakes, ponds, wetlands, etc.) can act as a hydrologic conduit for or barrier to groundwater flow. Therefore, these features may act as a preferential pathway for or impediment to contaminant migration from potential off-site sources.

The nearest surface water in the vicinity of the subject property is Bolin Creek located approximately 1500 feet to the northeast of the subject property. A tributary stream to Bolin Creek transects the subject property and flows from the southwest to the northeast.

6.1.3 Geology and Hydrology

The characteristics of the local soils can play an essential role in the behavior of potential environmental contamination as it enters and moves through the subsurface. The dominant soil composition in the general area of the subject property is a fine sandy loam. The soil component name (map name) is Enon, and it is primarily composed of Clayey SAND (SC) and Sandy Lean CLAY (CL). Enon is rated as Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. A copy of the USDA Soil Conservation Service (SCS) data reviewed for the subject property and surrounding area can be found located in Appendix D.

The soils described above were developed from the weathering of the Ordovician aged Granitic Rock underlying the subject property and surrounding area. The underlying Geology can also play a significant role in potential contaminant migration and is critical to understand during an ESA. Geologic formations can impact the speed, direction, and depth that potential contaminants can travel in the subsurface.

At shallow depths and under unconfined conditions, groundwater flow would be expected to be primarily driven by variations in the elevation of the water table surface. This driving mechanism is called topographically-driven flow because the elevation of the water table usually mimics the elevation of the ground surface. Therefore, surface topography may be used to infer the direction of shallow groundwater flow in an area. Based on the topography of the subject property described in Section 6.1.1, shallow groundwater flow would be anticipated to flow towards the northeast with some localized variations. The depth to the water table would be expected to vary significantly from 5 to 20+ feet below the ground surface, with shallow depths near existing surface water features and deeper depths at the topographic highs of the subject property. During Summit's Geotechnical Investigation, 24-hour groundwater levels in one boring was encountered at a depth of 3.8 feet.

Deeper water-bearing zones usually occur within the underlying bedrock, which in this case, is composed of crystalline rock (Granitic Rock). The movement of groundwater through crystalline rocks is one of the least predictable phenomena in all of groundwater science. This is because the porosity of these rocks is very low, and a network of fractures usually controls permeability. The direction of groundwater movement in deeper bedrock aquifers may not be consistent with shallow, unconfined, and topographically-driven groundwater flow. EDR conducted a search of Local and Regional Water Agency records for information about water wells in the area. No data was readily available to help determine the direction of groundwater flow within the deeper bedrock water-bearing zones.

6.2 Historical Use

The EP must develop a history of the previous uses of the subject property, the adjoining properties, and the surrounding area. This research should be done in order to help identify the likelihood of past uses having led to RECs in connection with the subject property. To develop that history, the EP must consult a variety of historical sources and exercise professional judgment while considering the possibility of releases that might have occurred at or impacted the subject property in light of the suspected past uses or activities. Summit reviewed historical information from several different sources, all of which were provided by Environmental Data Resources, Inc. (EDR).

6.2.1 Sanborn/Historical Maps

The Sanborn Library is the largest, most complete collection of fire insurance maps. These maps can be used to track the historical usage of a property. EDR searched this library, and no fire insurance maps covering the subject property were found. The Certified Sanborn® Map Report is included in Appendix C.

6.2.2 Aerial Photos

Summit reviewed aerial photographs of the subject property, adjoining properties, and the surrounding area for evidence of former usage that may constitute a potential for environmental concern. Aerial photographs were available and were obtained from EDR for the following years: 1950, 1955, 1961, 1964, 1973, 1975, 1980, 1983, 1993, 1999, 2002, 2006, 2009, 2012, 2016, and 2020. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the aerial photos reviewed can be found in The EDR Aerial Photo Decade Package located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the aerial photographs:

Aerial Photos		
Date(s)	**Property Comments**	**Surrounding Area Comments**
1950	Open Field / Pasture	Wooded to the northeast, agricultural and single family residences everywhere else. Greensboro Street, Pleasant Drive, Hillview Street, and Hillcrest Avenue have been constructed by this time. The railroad to the north and east have been constructed by this time.
1955	Open Field / Pasture	Wooded to the northeast, agricultural and single family residences everywhere else
1961	Wooded	Wooded to the northeast, agricultural to the southeast, single family homes to the south, west, and northwest
1964	Wooded	Wooded to the northeast, agricultural to the southeast, single family homes to the south, west, and northwest
1973	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Estes Road was constructed by 1973.
1975	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Crest Street was constructed by 1975.
1980	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
1983	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas.
1993	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas. Oak Avenue

Date(s)	Property Comments	Surrounding Area Comments
		Extension and the multi-family units to the west have been constructed by 1993
1999	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2002	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2006	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2009	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2012	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2016	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas
2020	Wooded	Apartment buildings have been constructed to the north and east, most of the remaining surrounding area is comprised of single family residences with some wooded areas

6.2.3 Historical Topographic Maps

Summit obtained historical topographic maps from EDR, including USGS maps from 1947, 19778, 1980, 1981, 1993, 2002, 2013, 2016, 2019, and 2022. Summit reviewed the historical topographic maps and compared findings with those observed in the aerial photography review. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the historical maps reviewed can be found in the EDR Historical Topo Map Report located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the historical topographic maps:

Historical Topographic Maps			
Date(s)	**Quad**	**Property Comments**	**Surrounding Area Comments**
1946	Chapel Hill	A stream is transecting the property, flowing from the southwest to the northeast	Pleasant Drive, Hillview Street and Hillcrest Drive were constructed by this time. Single family homes are in the surrounding area, the existing railroad to the north and east of the subject property has been built by this time
1978	Chapel Hill	The stream that transects the property is no longer noted by 1978, a depression is now noted on the property	A stream is no longer noted on the property by 1978, it is now noted as a depression. This may be as a result of the construction of present-day Charles Street
1993	Chapel Hill		Oak Avenue Extension has been constructed by 1993
2002	CHAPEL HILL	Crest Street was constructed by 2002	

6.2.4 City Directories

Another of the ASTM standard historical sources to be reviewed for previous site use is local street directories, commonly known as City Directories. The purpose of the directory review is to identify past occupants of the subject property, adjoining properties, and nearby properties. In some rural areas, street directories' information is limited. A copy of the street directories reviewed can be found within The EDR-City Directory Image Report located in Appendix C.

Crest Street was designated the target street to search for any listings related to the subject property as well as adjoining and nearby properties. Pleasant Drive and Hillview Street were searched as cross streets for any listings related to adjoining and nearby properties. Records were available from EDR for the following years:

1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. It should be noted that after records from 1987 and earlier appear to represent Crest Drive rather than Crest Street and were therefore ignored during our analyis. Below is a summary of observations and pertinent information taken from Summit's review of the historical local street directories:

Date(s)	Property Comments	Surrounding Area Comments
1965 - 2020	No residences or occupants were listed for the subject property	Almost entirely residential listings were observed, one church was observed at 100 Hillview Street from 1995 through 2020.
1992 - 2005		Adjoining property 502 Crest Street was occupied from 1992 until at least 2010.

6.2.5 Building Department Records

Records obtained from Orange County Geographic Information System (GIS) online resources were reviewed for evidence indicating the developmental history of the subject property and for the presence of documentation relative to underground storage tanks. Since the subject property is undeveloped, no history of development of the subject property was available for review with these resources.

GIS records review were performed for the adjoining property at 502 Crest Street, and no records pertaining to the heating methods of that home were available. This property had last been sold in 2002.

6.2.6 Title Records

No title records were provided by the Town of Carrboro. The most recent deed for the subject property was obtained through Orange County Geographic Information System (GIS) online resources. Information from our review of the most recent available deed is summarized in the table below:

Title Records			
Information Source	**Date(s)**	**Book/Page**	**Listed Owner**
Orange County, NC Register of Deeds	12/14/2004	3539/385	Town of Carrboro

6.2.7 Previous Environmental Reports

No previous environmental reports were identified or made available by Town of Carrboro during the Phase I ESA.

6.2.8 Other Historical Records

No other historical records were reviewed by Summit Design & Engineering Services during this Phase 1 ESA.

6.2.9 Historical Summary

Historical information identifying the past use of the subject property was obtained from a variety of sources as detailed in Appendix C of this report and included City Directories, Aerial Photographs, Sanborn Fire Insurance Maps, and Topographic Maps.

Historical Summary			
Period	**Source**	**Subject Property Uses**	**Adjoining Property Uses**
1946	Topographic Maps	Vacant/Undeveloped Wooded Lot	Agricultural/Undeveloped Woodeded Land
1947	Topographic Maps	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1950	Aerial Photographs	Open Field / Pasture	Agricultural, Residential, & Wooded Land
1955	Aerial Photographs	pen Field / Pasture	Agricultural, Residential, & Wooded Land
1961	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1964	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1965	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1968	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1972	City Directories	Vacant/Undeveloped Wooded Lot	Agricultural, Residential, & Wooded Land
1972-1978	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
1973	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1975	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1977	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1980-1981	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1982	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1983	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1987	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1992	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1993	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1993	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1995	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
1999	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2000	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2002	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2002	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2005	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2006	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2009	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2010	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2012	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2013	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2014	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2016	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2016	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2017	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2019	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2020	City Directories	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
2020	Aerial Photographs	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land
2022	Topographic Maps	Vacant/Undeveloped Wooded Lot	Residential & Wooded Land

6.3 Standard Environmental Record Resources

Summit Design & Engineering Services contracted Environmental Data Resources, Inc. (EDR) to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-21 are summarized in the following table. Detailed information for sites identified within the AMSDs is provided below, along with an opinion about the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property. Copies of the EDR research data and a description of the databases are included in Appendix D of this report.

Map Findings Summary								
Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
FEDERAL FACILITY		0.5	0	0	0	NR	NR	0
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-VSQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	0	0	NR	NR	0
ERNS		0.001	0	NR	NR	NR	NR	0
HMIRS		0.001	0	NR	NR	NR	NR	0
DOD		1	0	0	0	0	NR	0
FUDS		1	0	0	0	0	NR	0
US BROWNFIELDS		0.5	0	0	0	NR	NR	0
CONSENT		1	0	0	0	0	NR	0
UMTRA		0.5	0	0	0	NR	NR	0
ODI		0.5	0	0	0	NR	NR	0
TRIS		0.001	0	NR	NR	NR	NR	0
TSCA		0.001	0	NR	NR	NR	NR	0
FTTS		0.001	0	NR	NR	NR	NR	0
SSTS		0.001	0	NR	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
DOT OPS		0.001	0	NR	NR	NR	NR	0
ICIS		0.001	0	NR	NR	NR	NR	0
HIST FTTS		0.001	0	NR	NR	NR	NR	0
RADINFO		0.001	0	NR	NR	NR	NR	0
LIENS 2		0.001	0	NR	NR	NR	NR	0
PADS		0.001	0	NR	NR	NR	NR	0
MLTS		0.001	0	NR	NR	NR	NR	0
FINDS		0.001	0	NR	NR	NR	NR	0
RAATS		0.001	0	NR	NR	NR	NR	0

Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS REGION 9		0.5	0	0	0	NR	NR	0
PWS		TP	NR	NR	NR	NR	NR	0
PFAS ECHO		0.25	0	0	NR	NR	NR	0
PRP		0.001	0	NR	NR	NR	NR	0
PFAS ECHO FIRE TRAINING		0.25	0	0	NR	NR	NR	0
PFAS NPL		0.25	0	0	NR	NR	NR	0
UST FINDER RELEASE		0.5	0	0	1	NR	NR	1
ABANDONED MINES		0.25	0	0	NR	NR	NR	0
US AIRS		0.001	0	NR	NR	NR	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
FUSRAP		1	0	0	0	0	NR	0
RCRA NonGen / NLR		0.25	0	0	NR	NR	NR	0
US CDL		0.001	0	NR	NR	NR	NR	0
EPA WATCH LIST		0.001	0	NR	NR	NR	NR	0
AQUEOUS FOAM NRC		0.25	0	0	NR	NR	NR	0
PFAS TRIS		0.25	0	0	NR	NR	NR	0
IHS OPEN DUMPS		0.5	0	0	0	NR	NR	0
PFAS WQP		0.25	0	0	NR	NR	NR	0
PFAS FEDERAL SITES		0.25	0	0	NR	NR	NR	0
PFAS RCRA MANIFEST		0.25	0	0	NR	NR	NR	0
RMP		0.001	0	NR	NR	NR	NR	0
COAL ASH DOE		0.001	0	NR	NR	NR	NR	0
EDR Hist Auto		0.125	0	NR	NR	NR	NR	0
2020 COR ACTION		0.25	0	0	NR	NR	NR	0
BIOSOLIDS		0.001	0	NR	NR	NR	NR	0
PFAS TSCA		0.25	0	0	NR	NR	NR	0
PFAS ATSDR		0.25	0	0	NR	NR	NR	0
DOCKET HWC		0.001	0	NR	NR	NR	NR	0
PCB TRANSFORMER		0.001	0	NR	NR	NR	NR	0
PFAS NPDES		0.25	0	0	NR	NR	NR	0
UST FINDER		0.25	0	0	NR	NR	NR	0
COAL ASH EPA		0.5	0	0	0	NR	NR	0
LEAD SMELTERS		0.001	0	NR	NR	NR	NR	0
PFAS PART 139 AIRPORT		0.25	0	0	NR	NR	NR	0
US HIST CDL		0.001	0	NR	NR	NR	NR	0
US FIN ASSUR		0.001	0	NR	NR	NR	NR	0
UXO		1	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.5	0	0	0	NR	NR	0
FUELS PROGRAM		0.25	0	0	NR	NR	NR	0
US MINES		0.25	0	0	NR	NR	NR	0
ROD		1	0	0	0	0	NR	0
EDR Hist Cleaner		0.125	0	NR	NR	NR	NR	0
USGS WATER WELLS		1	0	0	0	0	NR	0
ECHO		0.001	0	NR	NR	NR	NR	0
MINES MRDS		0.25	0	0	NR	NR	NR	0
SHWS		1	0	0	1	3	NR	4
SWF/LF		0.5	0	0	0	NR	NR	0
HIST LF		0.5	0	0	0	NR	NR	0
UIC		0.001	0	NR	NR	NR	NR	0
LUST		0.5	1	2	18	NR	NR	21
LUST TRUST		0.5	1	2	10	NR	NR	13
UST		0.25	0	0	NR	NR	NR	0
LAST		0.5	0	2	1	NR	NR	3
AST		0.25	0	0	NR	NR	NR	0

Database	Subject Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS		0.001	0	NR	NR	NR	NR	0
INST CONTROL		0.5	0	0	5	NR	NR	5
VCP		0.5	0	0	0	NR	NR	0
DRYCLEANERS		0.25	0	0	NR	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
AIRS		0.001	0	NR	NR	NR	NR	0
AOP		0.001	0	NR	NR	NR	NR	0
SPILLS 80		0.001	0	NR	NR	NR	NR	0
DAY CARE		0.001	0	NR	NR	NR	NR	0
CCB		0.5	0	0	0	NR	NR	0
SEPT HAULERS		0.001	0	NR	NR	NR	NR	0
PFAS		0.25	0	0	NR	NR	NR	0
Financial Assurance		0.001	0	NR	NR	NR	NR	0
DEBRIS		0.5	0	0	0	NR	NR	0
ASBESTOS		0.001	0	NR	NR	NR	NR	0
RGA LF		0.001	0	NR	NR	NR	NR	0
SPILLS 90		0.001	0	NR	NR	NR	NR	0
IMD		0.5	0	2	11	NR	NR	13
HSDS		1	0	0	0	1	NR	1
COAL ASH		0.5	0	0	0	NR	NR	0
WELLS		1	0	0	0	0	NR	0
NPDES		0.001	0	NR	NR	NR	NR	0
OLI		0.5	0	0	0	NR	NR	0
RGA HWS		0.001	0	NR	NR	NR	NR	0
PCSRP		0.5	0	0	0	NR	NR	0
RGA LUST		0.001	0	NR	NR	NR	NR	0
SWRCY		0.5	0	0	0	NR	NR	0
LCID		0.5	0	0	0	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0
INDIAN ODI		0.5	0	0	0	NR	NR	0
INDIAN RESERV		1	0	0	0	0	NR	0
EDR MGP		1	0	0	0	0	NR	0

Adjoining and Nearby Properties	
Site Name:	ROBERTSON PROPERTY UST
Databases:	LUST, LUST TRUST
Address:	124 ESTES DRIVE EXT
Distance (Feet):	364
Direction:	West-Northwest
Elevation:	Higher
Comments:	A leaking 550-gallon UST was discovered at this site prior to the sale of this property from Charles and Frank Robertson to Page B Rental, LLC. Upon discovery of the UST, the UST was excavated and removed and found to have numerous holes in the tank. Stained soils with a heating oil odor were observed at the base of the UST excavation. Therefore, contaminated soil totaling 63.54 tons was removed from the site. Upon removal of the contaminated soil, soil on the sidewalks and base of the excavation were sampled to confirm all contamination was removed. No groundwater was encountered in the excavation of the tank or contaminated soils. Laboratory testing of the sidewall and base soils indicated that no petroleum contaminant concentrations that exceed the Soil-to-Groundwater Maximum Soil Contaminant Concentrations remain in-situ, and that no further action be taken. This is not considered a REC of the subject property based on the fact that

Comments:	the source of the contamination at this site has been removed and the contaminated in-situ soils have been removed up to the satisfaction of regulating authorities.

Site Name:	GLENN OIL BULK FUEL FACILITY
Databases:	LAST, IMD
Address:	103 MULBERRY STREET
Distance (Feet):	664
Direction:	South
Elevation:	Higher
Comments:	Based on records reviewed at the State Records Center, the source of contamination at this site has been removed and the contaminated in-situ soils have been removed to the satisfaction of regulating authorities. A no further action notice was submitted for this incident. This site is not considered a REC of the subject property based on the type of reported incident and distance, and remediation efforts..

Site Name:	SHERRY PROPERTY (STEVEN)
Databases:	LUST, LUST TRUST
Address:	100 MULBERRY ST
Distance (Feet):	670
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	WHITE, MARTHA - RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	508 OAK AVENUE
Distance (Feet):	1026
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OAK AVE SPILL
Databases:	LAST
Address:	511 OAK AVE
Distance (Feet):	1035
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	WILTBERGER PROPERTY, TOM
Databases:	LUST, IMD
Address:	503 OAK AVE.
Distance (Feet):	1322
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	LISA CROUCHER PROPERTY
Databases:	LUST
Address:	406 OAK AVENUE
Distance (Feet):	1418
Direction:	South-Southwest
Elevation:	Higher

Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	KURALT, BRENDA RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	110 WATTERS ROAD
Distance (Feet):	1487
Direction:	West-Northwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PENDERGRASS, CATHERINE PROPERTY
Databases:	LUST, LUST TRUST
Address:	401 LINDSAY STREET
Distance (Feet):	1574
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PENDERGRASS, CATHERINE PROPERT
Databases:	IMD
Address:	401 LINDSAY STREET
Distance (Feet):	1574
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	LIEFF PROPERTY, SUSAN
Databases:	LUST, INST CONTROL
Address:	1200 N GREENSBORO ST
Distance (Feet):	1740
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	BURNETT PROPERTY (MARVA)
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	714 GOMAIN STREET
Distance (Feet):	1766
Direction:	Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	RODRIGUEZ GASOLINE RELEASE
Databases:	LAST
Address:	202 SHELTON ST
Distance (Feet):	1831
Direction:	South-Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SOUTHERN STATES CARRBORO
Databases:	LUST, UST
Address:	300 N. GREENSBORO ST.
Distance (Feet):	2015
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SOUTHERN STATES PROPERTY
Databases:	IMD
Address:	300 N. GREENSBORO STREET
Distance (Feet):	2015
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PERRY PROPERTY, HOYT
Databases:	LUST TRUST, LUST, IMD
Address:	103 PINE STREET
Distance (Feet):	2048
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SELF HELP PROPERTY
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	605 CRAIG STREET
Distance (Feet):	2051
Direction:	Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	GREENSTREET PROPERTY
Databases:	LUST, LUST TRUST
Address:	100 E. PINE STREET
Distance (Feet):	2070
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	FITCH LUMBER COMPANY, INC
Databases:	IMD, LUST, UST
Address:	309 N GREENSBORO STREET
Distance (Feet):	2084
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	FITCH LUMBER COMPANY, INC
Databases:	UST FINDER RELEASE, UST FINDER
Address:	309 N GREENSBORO STREET
Distance (Feet):	2084
Direction:	South

Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OAKLEY, LOUISE - PROPERTY
Databases:	IMD, LUST, ASBESTOS
Address:	105 PINE STREET
Distance (Feet):	2132
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	ONTJES PROPERTIES LLC (10/98)
Databases:	LUST TRUST, LUST, IMD
Address:	205 LLOYD STREET
Distance (Feet):	2235
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	NORRIS PROPERTY (GEORGIA)
Databases:	LUST TRUST, LUST, IMD
Address:	114 ELM STREET
Distance (Feet):	2433
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	SECU*RE OAK PROPERTY
Databases:	LUST, INST CONTROL
Address:	109 OAK STREET
Distance (Feet):	2438
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	CARR MILL MALL
Databases:	SHWS
Address:	200 N GREENSBORO ST
Distance (Feet):	2464
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	CARR MILL MALL
Databases:	IMD
Address:	200 NORTH GREENSBORO STREET
Distance (Feet):	2464
Direction:	South
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	BAKER PROPERTY, SUSAN
Databases:	LUST, INST CONTROL
Address:	110 PINE STREET
Distance (Feet):	2475
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	HOGAN RESIDENCE
Databases:	LUST TRUST, LUST, IMD
Address:	202 EAST POPLAR AVENUE
Distance (Feet):	2515
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	PROVIDENCE PROPERTY
Databases:	LUST, LUST TRUST
Address:	115 OAK STREET
Distance (Feet):	2626
Direction:	West
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Databases:	SHWS
Address:	N MERRITT MILL RD AND W FRANKL
Distance (Feet):	3565
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	OWASA - NELLO TEER QUARRY
Databases:	IMD, LAST, SHWS
Address:	HIGHWAY 54
Distance (Feet):	4522
Direction:	Southwest
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	UNC-COGENERATION FACILITY
Databases:	SHWS, VCP
Address:	575 W CAMERON AVE
Distance (Feet):	4690
Direction:	South-Southeast
Elevation:	Higher
Comments:	This site is not considered a REC of the subject property based on the type of reported incident and distance

Site Name:	ROGERS-THIEM INC
Databases:	HSDS
Address:	501 S Greensboro Street
Distance (Feet):	5228
Direction:	South

Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based on the type of reported incident, distance, and being at a lower elevation than the subject property

Orphans Summary	
Facility Name:	AMOCO #2281
Databases:	
Address:	EASTGATE SHOPPING CENTER
Comments:	This site is not considered a REC of the subject property based on Eastgate Shopping Center's distance from the subject property

Facility Name:	CHAPEL HILL LANDFILL
Databases:	
Address:	1000 ESTES DRIVE EXTENSION
Comments:	Unable to accurately locate this landfill, unable to identify any current or historic landfill along Estes Drive. All active landfills in the area are on Eubanks Rd over a mile to the north of the subject property. Not considered a REC.

Facility Name:	ROCKY BROOK WASHERETTE
Databases:	
Address:	SOUTH GREENSBORO STREET (C)
Comments:	Not able to accurately locate this orphan site, it is/was likely a coin laundromat near the Rocky Brook Mobile Home Park approximately a mile south of the subject property. Not considered a REC.

Facility Name:	KAST PROPERTY, CHARLES
Databases:	
Address:	406 MITCHELL LANE
Comments:	This site is over half a mile from the site, and is therefore not considered a REC.

Facility Name:	ORANGE COUNTY WALNUT GROVE HHW
Databases:	
Address:	3605 WALNUT GROVE CHURCH RD
Comments:	This site is 15 miles north of the subject property, and therefore is not considered a REC

6.3.1 Regulatory File Review

Pursuant to Section 8.2.3.1 of the ASTM E1527-21 Standard, Pertinent regulatory files and/or records associated with listings identified within the subject property or adjoining properties should be reviewed. The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the subject property in connection with the listing.

The subject property and adjoining properties were not flagged within the regulatory records search of ASTM standard environmental record sources. Therefore, no Regulatory File Review was conducted for this Phase 1 ESA.

6.4 Additional Environmental Record Resources

In addition to the ASTM-required Standard Environmental Record Sources, Summit reviewed additional federal, state, local, and proprietary databases provided by EDR. No incidents, sites, or facilities were flagged within the additional environmental record resources searched. A complete list and description of additional environmental record resources searched can be found in Appendix D of this report.

6.5 Vapor Encroachment Evaluation

For the purposes of the ASTM E1527-21 Standard, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E2600 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.* By including this explicit reference to vapor migration in the subsurface, the ASTM E1527-21 Standard clarifies and reinforces the need to address potential vapor migration issues, which is essentially a Tier 1 screening under the ASTM E2600 Standard.

The ASTM E2600 Standard defines default values for plume length using extensive research on both volatile chemical plumes (such as chlorinated solvent plumes from dry cleaners) and volatile petroleum hydrocarbon plumes from leaking Underground Storage Tank (UST) sites. These default values are used to form an Area of Concern (AOC) around the subject property that is used by the EP to help identify which off-site issues may pose a risk for contaminant migration.

In order to be conservative, the plume length selected to form the default value for the AOC was based upon the 90th percentile distance of typical migration as well as additional footage for expected vapor migration through a reasonably permeable soil. The AOC is smaller for petroleum hydrocarbons because they are known to undergo significant biodegradation in the presence of oxygen. If groundwater flow direction is known or can be inferred, then the AOC can be reduced significantly in the down-gradient and cross-gradient directions, and a default plume width can be inferred.

Summit maintained the default values recommended by the ASTM E2600 Standard when designating the AOC for the subject property. Based on the physical setting sources reviewed, the location of the AOC was determined by Summit to be generally southwest of the subject property. The following tables summarize the results of the vapor encroachment evaluation by listing the number of sites, incidents, and/or facilities located within the ASTM E2600 specified distances from the subject property:

Standard Environmental Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	0	0
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	0	0
State and tribal - equivalent NPL	not searched	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	0	0
State and tribal institutional control / engineering control registries	0.333	0	0	0
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfield sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

Historical Use Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

6.6 Environmental Liens and Activity/Use Limitations

Unless added by a change in the scope of work to be performed by the EP, the ASTM E1527-21 Standard does not impose on the EP the responsibility to undertake a review of recorded land title records or judicial records (where applicable) for environmental liens and activity & use limitations (AULs). The process of searching and evaluating land title records or judicial records ordinarily requires specialized expertise provided by title insurance companies or title search professionals. As described in Section 6.2 of the ASTM Standard, reviewing land title records or judicial records for AULs and environmental liens is a User responsibility. Unless notified otherwise, we assume that Town of Carrboro. is evaluating this information outside the scope of this report and has reported the accurate results of this work in their response to the User Questionnaire.

In some cases, in lieu of or in addition to being filed in the land title records or judicial records, AULs may be found in separate Federal, State, & Tribal Engineering Control (EC) and Institutional Control (IC) databases. These databases were searched along with the other ASTM-required Standard Environmental Record Sources listed in Section 6.3. The subject property was not flagged within the EC or IC databases provided by EDR.

7.0 SITE RECONNAISSANCE

The purpose of the site reconnaissance is to collect information and make observations to help identify RECs in connection with the subject property. The reconnaissance typically consists of observations of the subject property from the site boundaries and selected interior portions of the site, as well as a cursory inspection of the adjoining properties. The EP observes the subject property for signs of past or present handling, storage, or releases of hazardous substances or petroleum products. These observations include an inspection of surface conditions at the site, including, but not limited to, stressed vegetation, stained pavement, strong odors, or unusual soil discoloration that could indicate a past or ongoing release.

The adjoining property reconnaissance consists of observations of the surrounding properties from the site boundaries and accessible public right-of-way. Photographs of the subject property and, if appropriate, adjoining properties are taken by the EP to document the site as well as any potential environmental risks that may be present. Photographs were taken at the time of the site reconnaissance for this Phase I ESA can be found in the following sections and are completely documented in Appendix B.

7.1 Methodology and Limiting Conditions

Observations of the subject property and adjoining properties were primarily made from a walking reconnaissance of the entire area of the site. The adjoining properties were visually observed from portions of the subject property's perimeter.

The site reconnaissance occurred on April 11, 2024. Leaf litter and vegetation cover obscured the ground surface of the subject property during the site reconnaissance, however this is not considered to be a significant data gap.

7.2 General Subject Property Setting

The subject property consists of approximately 1.08 Acres acres and consists of undeveloped wooded areas. The ground surface at the site slopes gently downward to the northeast. The subject property is accessed from the southeast via an entrance from Crest Street.

7.3 Site Visit Findings

The following table summarizes site observations and information obtained from interviews. Affirmative or Negative responses are designated by an "X" in the following table. Affirmative responses are discussed in more detail in the sections following the table. The following items or features below are limited to what was observed or identified within the boundaries of the subject property.

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substances		X
Petroleum Products		X
Underground Storage Tanks (USTs)		X
Aboveground Storage Tanks (ASTs)		X
Strong, Pungent, or Noxious Odors		X
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		X
Drums, Totes, and Intermediate Bulk Containers		X

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses		X
Unidentified Substance Containers		X
PCB-Containing Items		X
Stains or Corrosion on Floors, Walls, or Ceilings		X
Drains and Sumps	X	
Pits, Ponds, or Lagoons		X
Solid Waste		X
Stained Soil or Pavement		X
Stressed Vegetation		X
Wells		X
Construction Debris and Fill Dirt	X	

7.3.1 Drains and Sumps

Water/Wastewater
During the site reconnaissance, a flowing stream and a sanitary sewer were observed on the property. The stream generally flows from the southwest to the northeast, it is assumed that the sanitary sewer flows the same direction. No sheen or odor was observed in the stream.

ASSOCIATED PHOTOGRAPHS


Sanitary Sewer transecting the subject property


Stream on the subject property

ASSOCIATED PHOTOGRAPHS continued



Stream on the subject property

7.3.2 Other

Construction debris and fill dirt was observed on the southern end of the site. The construction debris consisted of bricks and concrete chunks.

ASSOCIATED PHOTOGRAPHS



Construction Debris on southern corner of property



Minor amounts of fill dirt on southern corner of subject property

8.0 INTERVIEWS

The objective of the interview portion of the Phase I ESA is for the EP to obtain information concerning past and current uses of the subject property from persons who may have specialized knowledge of the property. This information is obtained from interviews that can be conducted with present owners, past owners, operators, managers, or occupants of the subject property. The interviews can be held in various mediums such as in-person, by telephone, or by email. The ultimate goal is to identify past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property.

Additionally, interviews with state or local government officials should be conducted. Some examples of state or local government officials include local fire departments, state or local health agencies, state or local agencies responsible for hazardous waste disposal, and local agencies responsible for the issuance of building permits. These interviews are typically conducted to check for records of emergency responses to fires, hazardous materials spills, or other environmental concerns at the subject property.

Interviews	
Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe and Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the Standard Interview Form to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was not aware of any past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property. A copy of the Standard Interview Form can be found located in Appendix H.

Role:	Local Gov't Official
Title:	Deputy Chief / Fire Marshal
Name:	Carl Freeman
Company:	Carrboro Fire Rescue Department
Method:	Written Response
Comments:	Summit sent an email to Mr. Freeman on April 18, 2024, inquiring as to whether his department had any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties. Mr. Freeman responded to this email on May 7, 2024, indicating that he did not have any records of the previously mentioned issues on the property. A copy of Summit's correspondence with Mr. Freeman can be found in Appendix H.

9.0 NON-SCOPE CONSIDERATIONS

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services at the subject property.

10.0 FINDINGS AND OPINIONS

The following section presents Summit's findings that have been identified in one or more sections of this report. Each finding is thoroughly described and evaluated in the paragraphs below. This evaluation includes a description of the logic and reasoning used by the EP to form a professional opinion of the environmental risk posed to the subject property by each finding.

1.) Robertson Property UST. This site involved a leaking 550-gallon residential UST located 364 feet west-northwest of and at a higher elevation than the subject property. This site was mediated and closed out by September 2015. Therefore, Summit does not consider this incident to be a REC of the subject property based on the fact that the source of the contamination at this site has been removed and the contaminated in-situ soils removed to the satisfaction of regulating authorities. However, it is considered a de minimis condition of the subject property.

2.) The Former Glenn Oil Bulk Fuel Facility. This site involved a leaking above ground storage tank located 664 feet south of and at at a higher elevation than the subject property. The leaking tanks and contaminated soils were removed, and a no further action status was granted on June 8, 2000. The incident was closed out in November 2004. Therefore, Summit does not consider this incident to be a REC of the subject property based on the fact that the source of the contamination at this site has been removed and the contaminated in-situ soils removed to the satisfaction of regulating authorities. However, it is considered a de minimis condition of the subject property.

3.) A sanitary sewer transects the property from west to east. Sanitary sewers have the ability to transport contaminants from off-site sources through the subject property when industrial facilities and petroleum product users improperly dispose of their waste into the sanitary sewer system. If these practices are occurring farther up the sanitary sewer system, and if the sewer is leaking on or near the subject property, the sewer can deposit those contaminants onto the subject property for long periods of time. However, no evidence of the sewer leaking was observed during the site reconnaissance. Additionally, the area surrounding the subject property is mostly residential in nature, and therefore it is unlikely that significant industrial or petroleum contaminants would be present in the sewer system in this area. Therefore, Summit does not consider the sanitary sewer to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

4.) The adjacent properties having a historical use as residential properties dating back to at least 1946. Numerous structures, assumed as residential, were present on some adjacent properties since at least 1946. By 1947, 62% of all U.S. homes had been equipped with either propane or natural gas for heating and cooking. The remaining households utilized other methods such as electricity, wood fire, and heating oil (kerosene). Based on the time frame they have been present, Summit believes that there is at least a possibility that heating oil was used at one or more structures on the adjoining properties. Therefore, it is at least possible that there could have been kerosene ASTs or USTs in close proximity to the subject property, which is why this topic warrants mentioning in this section of the report.

The residences would have been the most likely structures to have had kerosene ASTs or USTs, but if any of the structures were agricultural use such as tobacco barns, they could have too. Based on the information gathered during this ESA, Summit has no reason to believe there were ASTs or USTs associated with the structures on the adjoining property. Therefore, Summit does not consider the historical presence of these structures to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

If USTs or ASTs unknown to Summit were present near the subject property, this issue has the potential to rise to the level of a de minimis condition. Minor releases of petroleum products would be expected to have occurred with the regular usage and maintenance of ASTs or UST. These releases, if they occurred, would be expected to be insignificant and would likely now be heavily dispersed. If present, the concentrations of the contaminants would not be expected to exceed regulatory enforcement action levels and would, therefore, only rise to the level of a de minimis condition of the subject property. However, it is also possible that unknown or undisclosed ASTs or

USTs were used and remain at the subject property. If a tank or tanks remain present, each could rise to the level of a REC of the subject property.

Additionally, the historical presence of structures that may have been used for agricultural purposes could mean that farm equipment was stored and maintained on the adjoining properties. Routine use and maintenance of farm equipment could lead to minor releases of hazardous substances or petroleum products into the environment. These types of releases, if they occurred, would be expected to be insignificant and would likely now be heavily dispersed. If present, the concentration of contaminants would not be expected to exceed regulatory enforcement action levels and would, therefore, only rise to the level of a de minimis condition. However, if improper and repetitive disposal of hazardous substances or petroleum products such as waste oil occurred, the resulting contamination could rise to the level of a REC of the subject property.

5.) The presence of construction debris and some fill placement on the southern corner of the subject property. Some small piles of brick and concrete chunks were observed on the southern corner of the subject property. The material was likely to have been placed from adjoining properties since no structures are known to have been on the subject property. The construction debris itself exhibited no obvious contamination releasing into the environment. However, construction debris and/or fill dirt can indicate a potential for past releases of a hazardous substances or petroleum products into the environment, typically due to illegal activities or improper business practices. These materials can also obstruct evidence of USTs or releases of hazardous substances or petroleum products into the environment. Summit does not consider the presence of this construction debris and fill placement on the subject property to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in the section of the report.

11.0 CONCLUSIONS

The professional opinions formed for each finding allow for an overall conclusion of the environmental condition of the subject property and potential risks associated with any findings. The following statement is Summit's conclusion that has been reached upon our completion of the Phase I ESA of the subject property.

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Crest Street). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

12.0 RECOMMENDATIONS

Recommendations are not required by the ASTM E1527-21 Practice. A User should consider whether recommendations for additional inquiries or other services are desired. Recommendations are an additional service that may be used in the User's analysis of LLPs or BERs.

The EP should provide an opinion regarding additional appropriate investigation, if any, to detect the presence of hazardous substances or petroleum products. A Phase I ESA, which includes such an opinion by the EP, does not render the assessment incomplete. This opinion is not intended to constitute a requirement that the EP include any recommendations for Phase II or other assessment activities.

Based on the scope of services, limitations, findings, and conclusions of this Phase I ESA, it is the opinion of Summit Design and Engineering Services that additional environmental assessment of the subject property is not warranted.

13.0 REFERENCES

The following sources were consulted while putting together this Phase I ESA report template and/or this specific Phase I ESA Report:

- Horton J. Wright., and Victor A. Zullo. *The Geology of the Carolinas: Carolina Geological Society Fiftieth Anniversary Volume*. University of Tennessee Press, 1991.

- Fitts, Charles R. *Groundwater Science*. Academic Press, 2002

- Brown, Philip M., et al. "Geologic Map of North Carolina, 1985." Geologic Map of NorthCarolina,1985, The Survey, 1985

- Buonicore, Anthony J. *Methodology for Identifying the Area of Concern Around a PropertyPotentially Impacted by Vapor Migration from Nearby Contaminated Sources*. AWMA, 2011, pp. 1-7

- Interstate Technology & Regulatory Council (ITRC). 2018. "Light Non-Aqueous Phase Liquid(LNAPL)Site Management: LCSM Evolution, Decision Process, and Remedial Technologies." LNAPL -3.Washington, D.C. https://lnapl-3.itrcweb.org

- United States, Congress "An Introduction to Characterizing Sites Contaminated with DNAPLs." Interstate Technology and Regulatory Council, 2003.

- Geyer, Wayne B. *Handbook of Storage Tank Systems: Codes, Regulations, and Designs.* Dekker,2000.

- "Propane." Wikipedia, Wikimedia Foundation, 6 Dec. 2020 en.wikipedia.org/wiki/Propane.http://dpstudioenvironmental.com/uploads/3/4/6/4/34643401/dpstudio_is_it_a_rec_issue_no_4_the_abcs_of_pcbs_dec_2016.pdf

- https://www.epa.gov/privatewells/learn-about-private-water-wells

The table below summarizes the sources provided by EDR and reviewed for this Phase I ESA:

Appendix A:

Figures

Image Provided By EDR Aerials

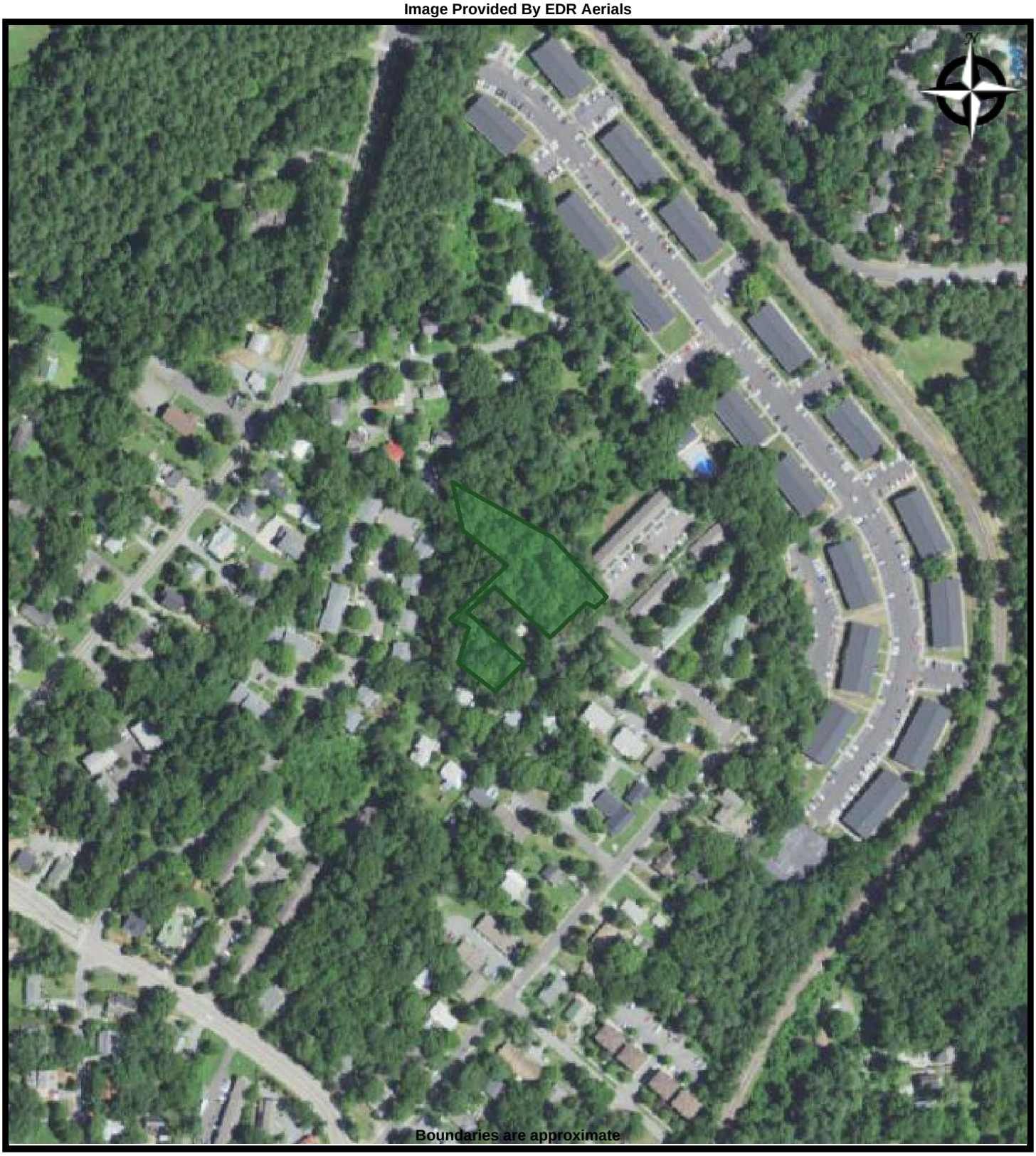


SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE I - SUBJECT PROPERTY
CARRBORO DUE DILIGENCE - CREST STREET
Crest Street
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Aaron Gross
DATE: 5/31/2024
PROJ. #: 23-0350.204

Image Provided By EDR Aerials



SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE II - SUBJECT AND ADJOINING PROPERTIES
CARRBORO DUE DILIGENCE - CREST STREET
Crest Street
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Aaron Gross
DATE: 5/31/2024
PROJ. #: 23-0350.204

Appendix B:

Photographs



1: Subject Property from Crest Street



2: Southeast adjoining property



3: Sanitary Sewer transecting the subject property



4: Stream on the subject property



5: Center of the subject property



6: North adjoining property



7: Stream on the subject property



8: South adjoining subject property



9: Northwest adjoining properties



10: Western portion of subject property



11: Western adjoining properties



12: View of Crest Street when facing South from subject property



13: Construction Debris on southern corner of property



14: Minor amounts of fill dirt on southern corner of subject property

Appendix C:

Historical Research

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.5
April 02, 2024

The EDR-City Directory Image Report

Environmental Data Resources Inc
6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1987	☑	☐	Polk City Directories
1982	☑	☐	Polk City Directories
1977	☑	☐	HILLS DIRECTORY CO.
1972	☑	☐	HILLS DIRECTORY CO.
1968	☑	☐	HILLS DIRECTORY CO.
1965	☑	☐	HILLS DIRECTORY CO.

FINDINGS

TARGET PROPERTY STREET

Not Reported
Carrboro, NC 27510

Year	*CD Image*	*Source*
CREST ST		
2020	pg A1	EDR Digital Archive
2017	pg A3	Cole Information
2014	pg A5	Cole Information
2010	pg A7	Cole Information
2005	pg A9	Cole Information
2000	pg A11	Cole Information
1995	pg A13	Cole Information
1992	pg A15	Cole Information
1987	pg A17	Polk City Directories
1987	pg A18	Polk City Directories
1982	pg A19	Polk City Directories
1977	pg A20	HILLS DIRECTORY CO.
1977	pg A21	HILLS DIRECTORY CO.
1972	pg A22	HILLS DIRECTORY CO.
1968	pg A23	HILLS DIRECTORY CO.
1965	pg A24	HILLS DIRECTORY CO.

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
HILLVIEW ST			
2020	pg. A2	EDR Digital Archive	
2017	pg. A4	Cole Information	
2014	pg. A6	Cole Information	
2010	pg. A8	Cole Information	
2005	pg. A10	Cole Information	
2000	pg. A12	Cole Information	
1995	pg. A14	Cole Information	
1992	pg. A16	Cole Information	
1987	-	Polk City Directories	Street not listed in Source
1982	-	Polk City Directories	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CREST ST 2020

100	AMANDA RICKARD
	ANDELIENE CROCE
	ANIL BHATTARAI
	JAMES DANIEL
	MELISSA TAYLOR
	RUHIYYIH MYERS
102	CHRISTOPHER RUMBLEY
	DARRYL EDWARDS
	GAEA BOGUE
	IZABELLA HUTZLER
	SARA BAUMGARTNER
107	ANDREW WILKIINS
	DENISE CAYLOR
	DENISE PEARCE
	ERIC BALDWIN
	ROBERT CAYLOR
110	COLIN JAVEL
	DENISE FARRINGTON
	ERIC FRIEDLANDER
	HANNAH FLAKE
111	JAN GJESTVANG-LUCKY
112	COLE COLLEEN
	KARI HARRIS
	MYSHA SISSINE
113	EMIL SNIZEK
	LYLE LANSDELL
200	ALEXANDER WEBB
	AMY ALLEN
	ANNELIESE ARNOLD
	COLLIN PERRY
	EMILY PIKE
	GRANT WISE
	HANNAH RACKERS
	JEAN SPEED
	JESSICA ROACHE
	KAELEN NESSL
	LAURA RACHAL
	MANUCHEHR AMINIAN
	NICHOLAS CATO
	PATTY BRASWELL
	ROBERT CASTRO
	SARAH SMOLEN
	STEPHANIE MADARA
	WILLIAM KINCY
301	PERRY TREE SVC
502	MATTHEW HEDT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

HILLVIEW ST 2020

100	AMY JOHNSON
	CARRBORO SP PUEBLO DEL DIOS
	CHARLES PENLEY
	MAURICE OGAICK
	MELISSA PENLEY
	NEIL PENLEY
	RICHARD JOHNSON
	WEST END FELLOWSHIP
101	JASON BASELICE
	MICHAL RAY
	NATASHA WILSON
	SOPHIA CARUSO
102	ERIC DEMONIA
103	ANN RIVES
	ELSTON RIVES
	ESTON RIVES
	EVELYN NEVILLE
	JACK NEVILLE
	SAMANTHA RIVES
104	STEVEN CLAPP
105	CHRISTOPHER KNOUFF
	CLARK CHURCH
	JOHN LANCASTER
	KELLEY KIRVEN
	SONYA FOWLER
106	KELLI DEPUY
	SAMANTHA PETERSON
107	DIANA GRIFFIN
	ROBERT GRIFFIN
108	CLARK CHURCH
	STEPHANIE SNYDER

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2017

100	MOE, TRAVIS
	TAYLOR, MELISSA A
	WATSON, JOSHUA
102	BAUMGARTNER, SARA
	MATHESON, TAMARA A
	WILSON, JAMES
110	HOLTZ, ALICIA A
	JONES, SYDNEY A
111	GJESTVANG, JAN E
112	BURTZLAFF, KYLE
	CRUTE, NANCY H
	SISSINE, MYSHA E
113	CANINO, LINDA C
200	BOEGNER, JOSHUA
	JOHNSON, MICHELLE C
	KELLEY, EVAN
	NESSL, ERIC C
	STEINHEBER, KATHRYN J
	WARRING, KELLY
	WEPPLER, MATTHEW

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2017

100	CHURCH, WESTEND
	LEE, ROBERT E
101	PORTER, JOHN M
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	STRANGE, SONAR
106	DEPUY, JAMES
107	GRIFFIN, ROBERT O
108	SWANN, TOMMIE L

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2014

100	BRUEHOEFENER, FRIEDERIKE
	BURGESS, JORDANNA H
	STEWART, STEPHANIE M
	TAYLOR, MELISSA A
102	WOOD, ANDREA N
110	HOLTZ, ALICIA A
112	MCLAIN, KELSEA B
	SISSINE, MYSHA E
113	CANINO, LINDA C
200	JAROCHA, LAUREN E
	LAMEKA, MARY E
	MOSE, LISLE E
	RATH, SARAH
303	DORMAN, CAROLYN
502	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2014

100	JOHNSON, TROY
	OCCUPANT UNKNOWN,
101	JACKMAN, LEAH D
	MCGINNIS, PATRICIA A
	WILSON, NATASHA M
102	BUCHANAN, LORI
103	NEVILLE, JACK W
104	CHANDLER, STEVEN C
105	STRANGE, SONAR
106	DEPUY, JAMES
107	OCCUPANT UNKNOWN,
108	GOODWIN-BROWN, HANNAH
	SWANN, TOMMIE L

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2010

100	HUME, KATIE
	JONES, KELLY A
	TAYLOR, MELISSA A
102	HARRINGTON, FANNIE M
111	GJESTVANG-LUCKY, JAN E
113	LANSDELL, LYLE W
200	ALBRITTON, BERNADETTE L
	DAVIS, ANGELA
213	CLARK, DOUG P
301	PERRY TREE SVC
	WILSON, ALTON
303	HERMAN, DAVID H
502	BAILEY, SHANNON

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2010

100	CHURCH OF THE HARVEST
	OCCUPANT UNKNOWN,
101	BARBEE, BLAINE E
	CHAMBERS, DOUGLAS L
	MCGINNIS, PATRICIA A
102	DEMONIA, ERIC C
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	CHURCH, CLARK S
106	WILSON, WILLIAM
107	OCCUPANT UNKNOWN,
108	ARAUJO, ANA M
	BAILEYPRIDHAM, J Z
	SWANN, TOMMIE

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2005

100	CASH, STEPHEN
	SAUCEDO, SILVANO
102	ALLEN, LATASHA
	DEROSE-WEISS, R
	HARRINGTON, FANNIE
	ROY, HEY
103	SAMUEL, COZA M
113	TOE, KYAW
200	DAVIS, ANGELA
	HILL, JAMES W
	HOLTON, SALLY
	HORSEY, GUSTAV
	LAMEKA, MARY E
	MANZANO, L
213	CLARK, DOUG P
287	OPTIMAL HEALTHWORKS
301	CALDWELL, TANEISHA
	WILSON, ALTON
303	HERMAN, DAVID
305	COOMBE, GREGORY W
502	HEDT, MATTHEW F

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2005

100	CHURCH OF GOD
	JOHNSON, TROY
	LI, MING Y
	OGAICK, MAURICE
101	GUIDRY, CHRISTOPHER F
	MCQUEENEY, KRISTA
	SYMONES, MICHEAL
	SYMONS, MICHAEL
	WILSON, BRENT
102	MCMULLEN, EDWARD A
103	NEVILLE, JACK W
104	CLAPP, STEVEN C
105	RED DIRT BUILDERS LLC
	SMITH, LUKE
106	BLAISDELL, BENJAMIN S
107	GRIFFIN, ROBERT O

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 2000

100	KIRCH, BARBARA
	MCGURK, MARY
	ROBERTSHAW, ZACHARY
102	BEAM, GREGORY
	NICKERSON, S L
200	BOYNTON, LOIS A
	BRASWELL-ISLER, PATTY
	BROOKS, D
	BYRD, WAYNE
	FRANKLIN, CHARLES M
	HOLTON, SALLY
	LLOYD, PAUL
	MILLARD, MIKE
	MONAHAN, PAUL E
301	HARRINGTON, FANNIE
303	BOYCE, J
502	DAWSON, RICHARD H

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 2000

101	LAW, A
103	NEVILLE, JACK W
106	MILLS, C
108	HAMMOND, C

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 1995

100	MOUNT, J
	RAY, NILES
	STROM, BRYAN
	WILLIAMSON, JEANINE
102	LANHAM, MELANIE
	MILLER, DARCIE
	NICKERSON, S L
	PRYOR, MARTHA
	REILLY, HEATHER
	SEMIN, N
	WELLER, AMY E
103	SAMUEL, COZA
200	BISSETTE, TRACEY
	BRASWELL, PATTY J
	CLARK, TRULY
	DICKINSON, ALLISON
	GANEY, MICHAEL
	GENZEL, NOAH
	GLANVILLE, J
	HENRY, RICK
	HERSH, KEITH
	JOHNSON, JOHNNIE
	MINK, RANDI
	MURRAY, BRIAN
	OLMSTED, J
	ORNT, SUSAN J
	STOTT, C J
	WARD, E
213	CLARK, BARBARA J
301	EDWARDS, JEFFREY
	WOODS, MELVIN O
303	FERRARI, ROBERT
	HABBERSTAD, DOUG
	LOWNES, CRYSTAL
502	DAWSON, RICHARD H

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 1995

100	CHURCH OF THE HARVEST
	JOHNSON, TROY
101	GUNTHER, MIKE
	HICKS, JAMES
	LIOUBTCHENKO, MIKHAIL
	WAPLER, RUDIGER
102	MIECH, RICHARD
103	NEVILLE, JACK W
104	CHANDLER, STEVEN
	CLAPP, STEVEN C
105	GARNER, JOHN
	LABATE, LAURA
106	TACKETT, DORIS
107	SIMMONS, D N
108	GANZ, DAVID
	WELSH, WILLIAM F

Target Street	Cross Street	Source
✓	-	Cole Information

CREST ST 1992

100	ONEILL, A
	SULLENGER, P
102	HASTY, MICHAEL
	MILES, RONALD
	NICKERSON, STELLA L
	PAGE, FELTON
	POWELL, LEE
103	SAMUEL, COZA
200	ABERNATHY, DAVID
	ALDRIDGE, SHAWN
	ANDERS, K E
	BEANE, S L
	BROWNLEY, KIM A
	CANIPE, HEATHER
	DEANS, HEATHER
	ELLIS, JIM
	MAREADY, ANDY
	MCNEAL, RALPH
	RAMEY, CORRIE
	SCHEER, ANTHONY
	STEVENSON, MELANIE
213	CLARK, BARBARA J
301	BOOKER, RUSSELL E III
	MEEKS, G S
	SUMMERFIELD, ROBIN
303	HABBERSTAD, DOUG
	MCRAE, B T
	REGAN, SHELIA
502	WHITAKER, S C
	WHITLATCH, JASON

Target Street	Cross Street	Source
-	✓	Cole Information

HILLVIEW ST 1992

101	BLOOMER, NICOLE
	BRETON, LINDA
	DIXON, GLENN
	JEFFERS, SPENCER
102	TUTON, JOHN R
103	NEVILLE, JACK W
104	CHANDLER, STEVEN
	CLAPP, STEVEN C
105	DURKIN, THERESE
	FLATAU, CLAUDIA
	REGAN, KELLY
107	PRUDEN, M
108	PAYNE, RENEE S
	WELSH, WILLIAM F

Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1987

CREST DR (CARRBORO)—FROM S MERRITT ST WEST 1 SOUTH OF W CAMERON AV

ZIP CODE 27510
GRANT INTERSECTS
JOHNSON BEGINS

100 Apartments
A★Laker
B No Return
C No Return
C★Jacobs Cecil
D★Yedman
E★Durham Wm 968-8017
102 Apartments
A No Return
B No Return
C No Return
D★Wilkins David 942-7561
★Spragg Rita M 929-4165
113★Hill Gene 968-3064
200 Apartments
A1★Minshall Diane L 929-9977
A2 No Return
A3 No Return
A4 No Return
A5 No Return
A6★Lindsay Barbara 967-3663
A7 No Return
A8 No Return
A9 No Return
A10★Cozart Cynthia 933-5770

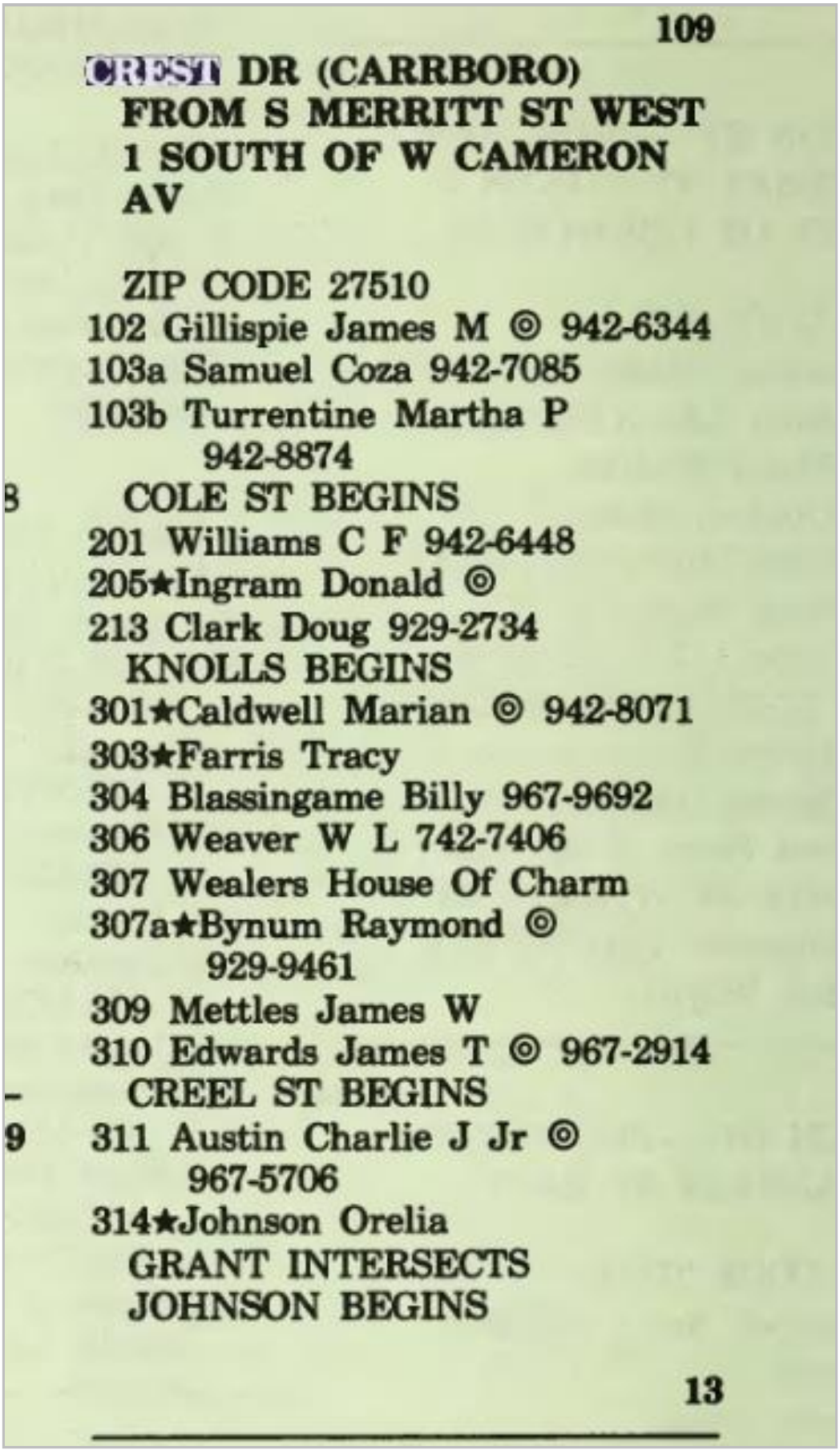
Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1987

CREST DR (C)—Contd
A11 No Return
A12★Byers Steve 942-8755
300 Apartments
A No Return (Apt A-D)
302★Guess Stacy 967-3873
303 Apartments
A★Hardison Janelle 967-8530
B No Return
C No Return
D★Minor Patricia 967-7594
311★Alston Mitchell D 967-5706

Target Street	Cross Street	Source
✓	-	Polk City Directories

CREST ST 1982



109

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M ◎ 942-6344
103a Samuel Coza 942-7085
103b Turrentine Martha P
942-8874
COLE ST BEGINS
201 Williams C F 942-6448
205★Ingram Donald ◎
213 Clark Doug 929-2734
KNOLLS BEGINS
301★Caldwell Marian ◎ 942-8071
303★Farris Tracy
304 Blassingame Billy 967-9692
306 Weaver W L 742-7406
307 Wealers House Of Charm
307a★Bynum Raymond ◎
929-9461
309 Mettles James W
310 Edwards James T ◎ 967-2914
CREEL ST BEGINS
311 Austin Charlie J Jr ◎
967-5706
314★Johnson Orelia
GRANT INTERSECTS
JOHNSON BEGINS

13

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1977

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M © 942-6344
103a Nicherson Stella 929-7911
103b Turrentine Martha P
942-8874
COLE ST BEGINS
201 Williams Charles F ©
942-6448

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1977

205 Clark John H ◎ 942-1422
213 Clark Douglas P ◎ 929-2754
KNOLLS BEGINS
301 Fearrington Charlie N Jr ◎ 967-3022
303★Perry Cassandra ◎ 967-3017
304 Cotton James ◎ 942-2876
305 Crump Robt S ◎
306 Weaver Lawrence A ◎ 967-6387
307 Bynum Raymond 929-9461
309★Jones C L
310 Edwards James T ◎ 967-2914
CREEL ST BEGINS
311 Alston Charlie J Jr ◎
312 Mc Crimmon Walter L 942-6136
314 Vacant
GRANT INTERSECTS
JOHNSON BEGINS

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

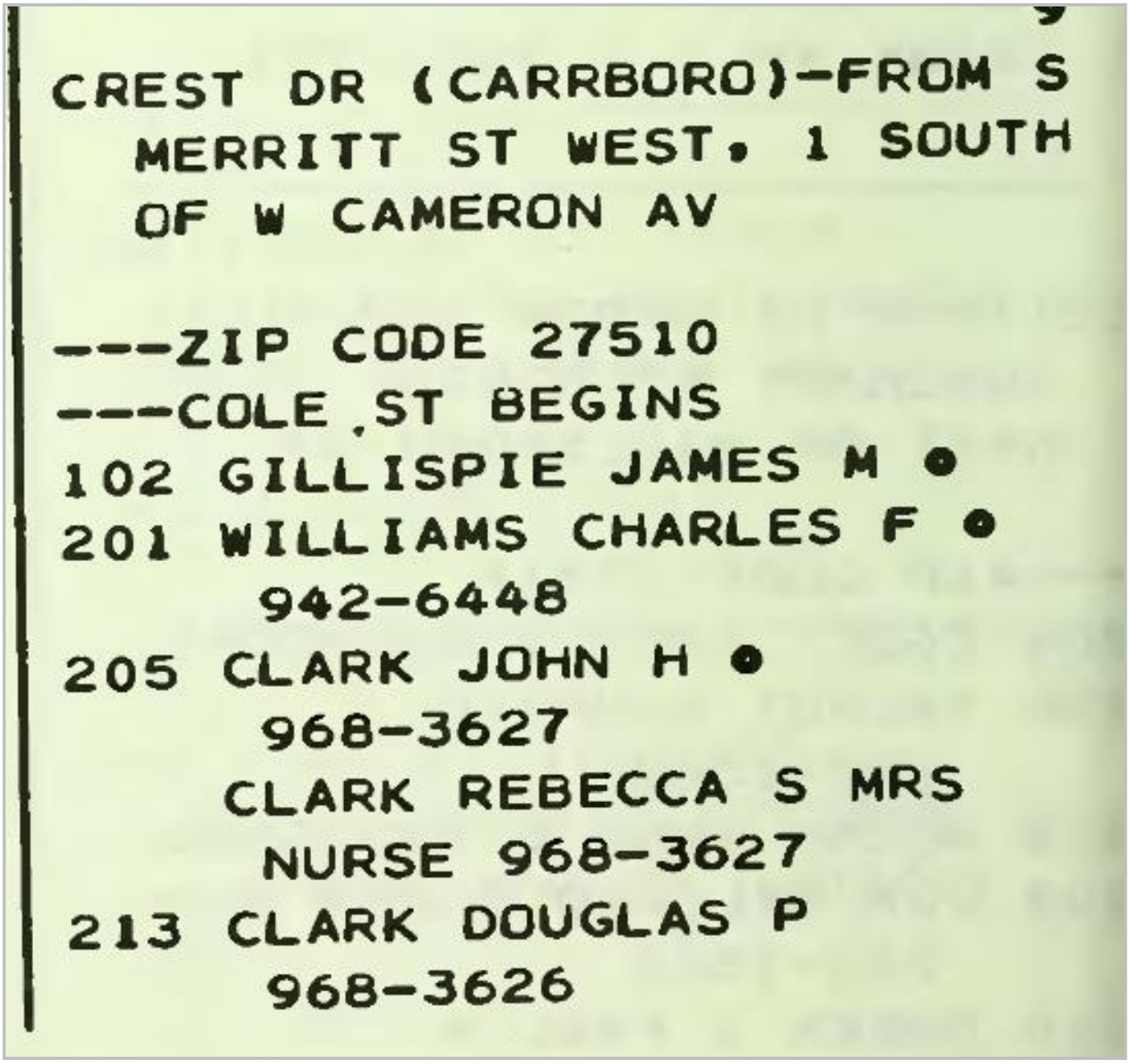
CREST ST 1972

CREST DR (CARRBORO)
FROM S MERRITT ST WEST
1 SOUTH OF W CAMERON
AV

ZIP CODE 27510
102 Gillispie James M ◎ 942-6344
103a Carroll Ruth B Mrs 967-3031
103 ★ Umpstead C E
109 Crowder Pauline
COLE ST BEGINS
201 Williams Charles F ◎
942-6448
205 Clark John H ◎ 942-1422
Clark Rebecca S Mrs nurse
213 Clark Douglas P ◎ 929-2754
KNOLLS BEGINS
301 Fearrington Charlie N Jr ◎
967-3022

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1968



CREST DR (CARRBORO)-FROM S
MERRITT ST WEST. 1 SOUTH
OF W CAMERON AV

---ZIP CODE 27510
---COLE ST BEGINS
102 GILLISPIE JAMES M ●
201 WILLIAMS CHARLES F ●
942-6448
205 CLARK JOHN H ●
968-3627
CLARK REBECCA S MRS
NURSE 968-3627
213 CLARK DOUGLAS P
968-3626

Target Street	Cross Street	Source
✓	-	HILLS DIRECTORY CO.

CREST ST 1965

CREST DRIVE (Carrboro)—From S Merritt west, 1 south of W Cameron av

102 Gillespie Jas M ©

Cole begins

201 Williams Chas F © 942-6448

205 Clark John H © 968-3627

Clark Rebecca S Mrs nurse

213 Clark Douglas P 968-3626

Knolls begins

301 Watson Herbert

303 Fearrington Charlie N © 968-3601

304 Cotton Jas © 942-2876

305 Farrington Charlie N jr © 968-3607

306 Davis Robt A Rev ©

307 Baldwin Wm H © 968-3603

rear Baldwin's Barber Shop 968-3603

Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.8

April 05, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.8

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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Search Results:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Flight Date: March 28, 2002	USGS
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1993	1"=500'	Acquisition Date: February 23, 1993	USGS/DOQQ
1983	1"=500'	Flight Date: April 04, 1983	NHAP
1980	1"=500'	Flight Date: January 19, 1980	USGS
1975	1"=500'	Flight Date: November 16, 1975	USDA
1973	1"=500'	Flight Date: February 24, 1973	USGS
1964	1"=500'	Flight Date: September 15, 1964	USGS
1961	1"=500'	Flight Date: August 17, 1961	USGS
1955	1"=500'	Flight Date: March 30, 1955	USDA
1950	1"=500'	Flight Date: November 18, 1950	USGS

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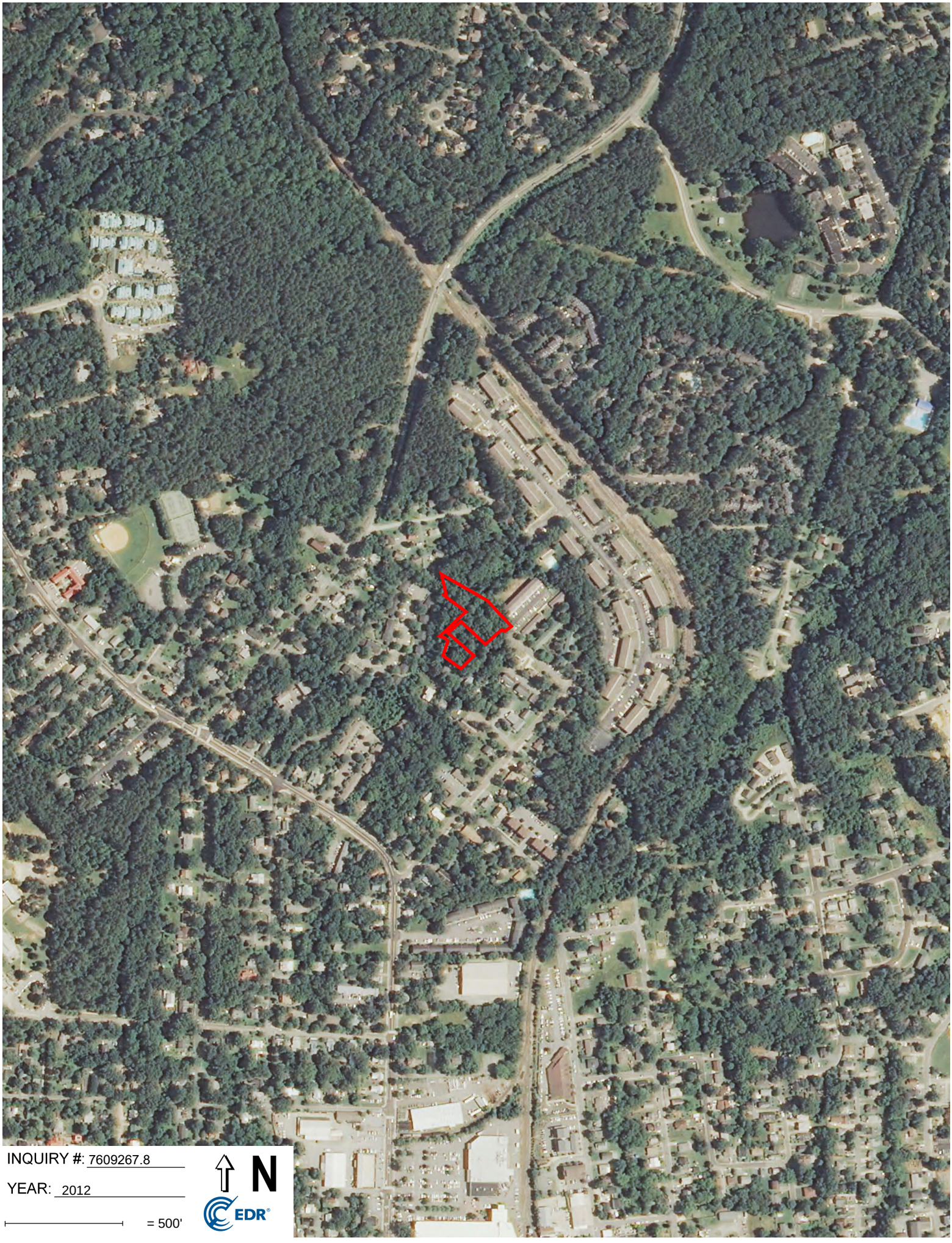
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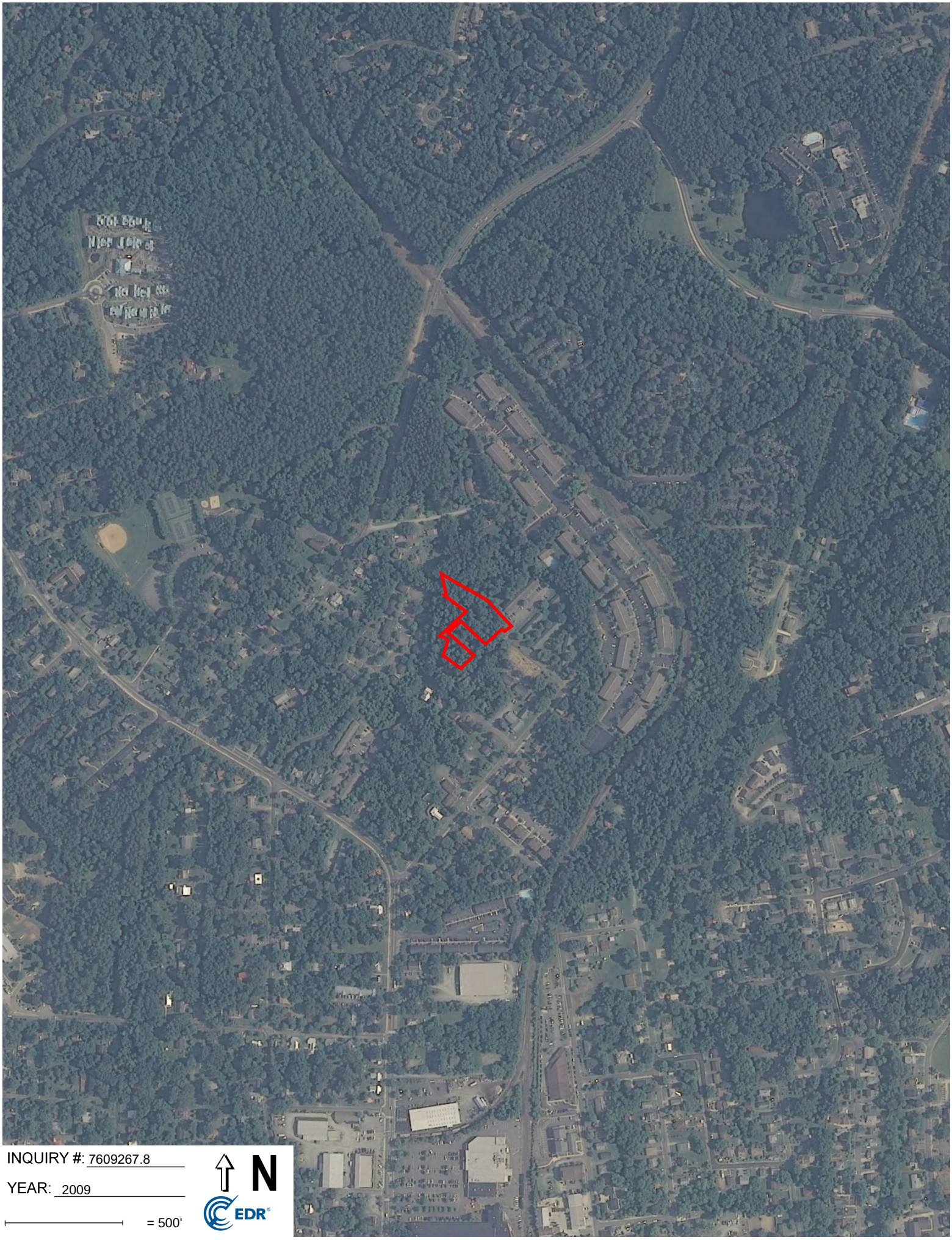
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INQUIRY #: 7609267.8
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 2002
= 500'
N
EDR
Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7609267.8

YEAR: 1999

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1993

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.


INQUIRY #: 7609267.8
YEAR: 1983
= 500'
N
EDR



INQUIRY #: 7609267.8

YEAR: 1980

= 500'

N

EDR

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 7609267.8

YEAR: 1975

= 500'

N

EDR


INQUIRY #: 7609267.8
YEAR: 1973
= 500'
N
EDR


INQUIRY #: 7609267.8
YEAR: 1964
= 500'
N
EDR



INQUIRY #: 7609267.8

YEAR: 1961

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1955

= 500'

N

EDR



INQUIRY #: 7609267.8

YEAR: 1950

= 500'

N

EDR

Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.3

April 05, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.3

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 836A-4868-B439

PO # NA

Project Town of Carrboro Due Diligence

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 836A-4868-B439

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Town of Carrboro Crest Street

Not Reported

Carrboro, NC 27510

Inquiry Number: 7609267.4

April 05, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/05/24

Site Name:

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510
EDR Inquiry # 7609267.4

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

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Search Results:

P.O.# NA
Project: Town of Carrboro Due Diligenc

Coordinates:

Latitude:	35.918907 35° 55' 8" North
Longitude:	-79.071042 -79° 4' 16" West
UTM Zone:	Zone 17 North
UTM X Meters:	674040.55
UTM Y Meters:	3976673.16
Elevation:	421.08' above sea level

Maps Provided:

2022	1978
2019	1947
2016	1946
2013	
2002	
1993	
1981	
1980	

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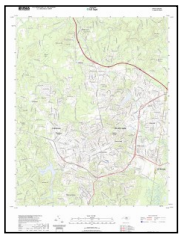
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Topo Sheet Key

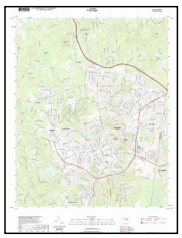
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



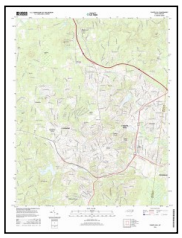
Chapel Hill
2022
7.5-minute, 24000

2019 Source Sheets



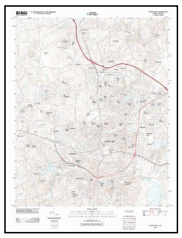
Chapel Hill
2019
7.5-minute, 24000

2016 Source Sheets



Chapel Hill
2016
7.5-minute, 24000

2013 Source Sheets



Chapel Hill
2013
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2002 Source Sheets



CHAPEL HILL
2002
7.5-minute, 24000

1993 Source Sheets



Chapel Hill
1993
7.5-minute, 24000
Aerial Photo Revised 1993

1981 Source Sheets



Chapel Hill
1981
7.5-minute, 24000
Aerial Photo Revised 1980

1980 Source Sheets



Chapel Hill
1980
7.5-minute, 24000
Aerial Photo Revised 1980

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1978 Source Sheets



Chapel Hill
1978
7.5-minute, 24000
Aerial Photo Revised 1972

1947 Source Sheets



Chapel Hill
1947
7.5-minute, 31680

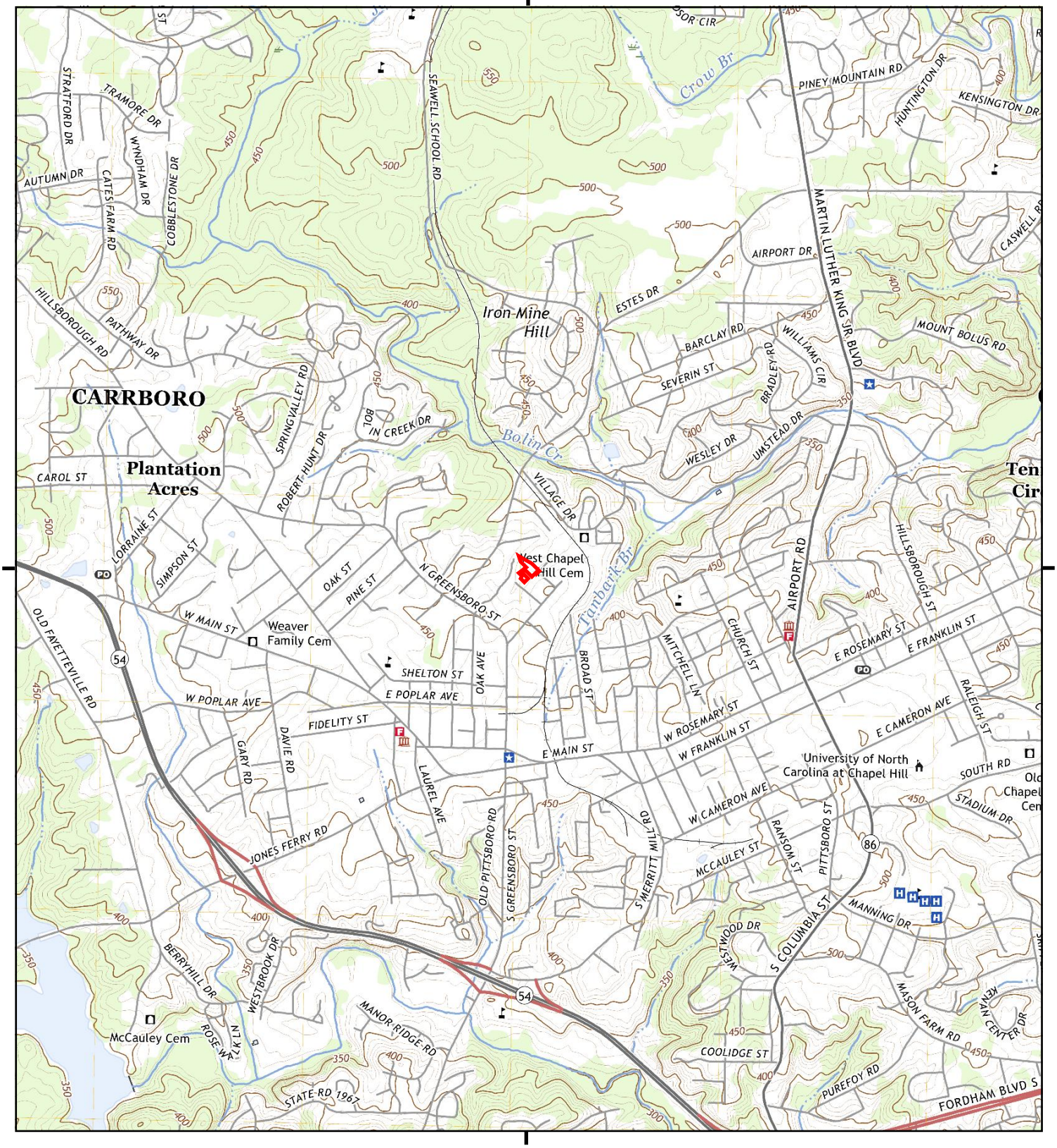
1946 Source Sheets



Chapel Hill
1946
7.5-minute, 24000

Historical Topo Map

2022



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

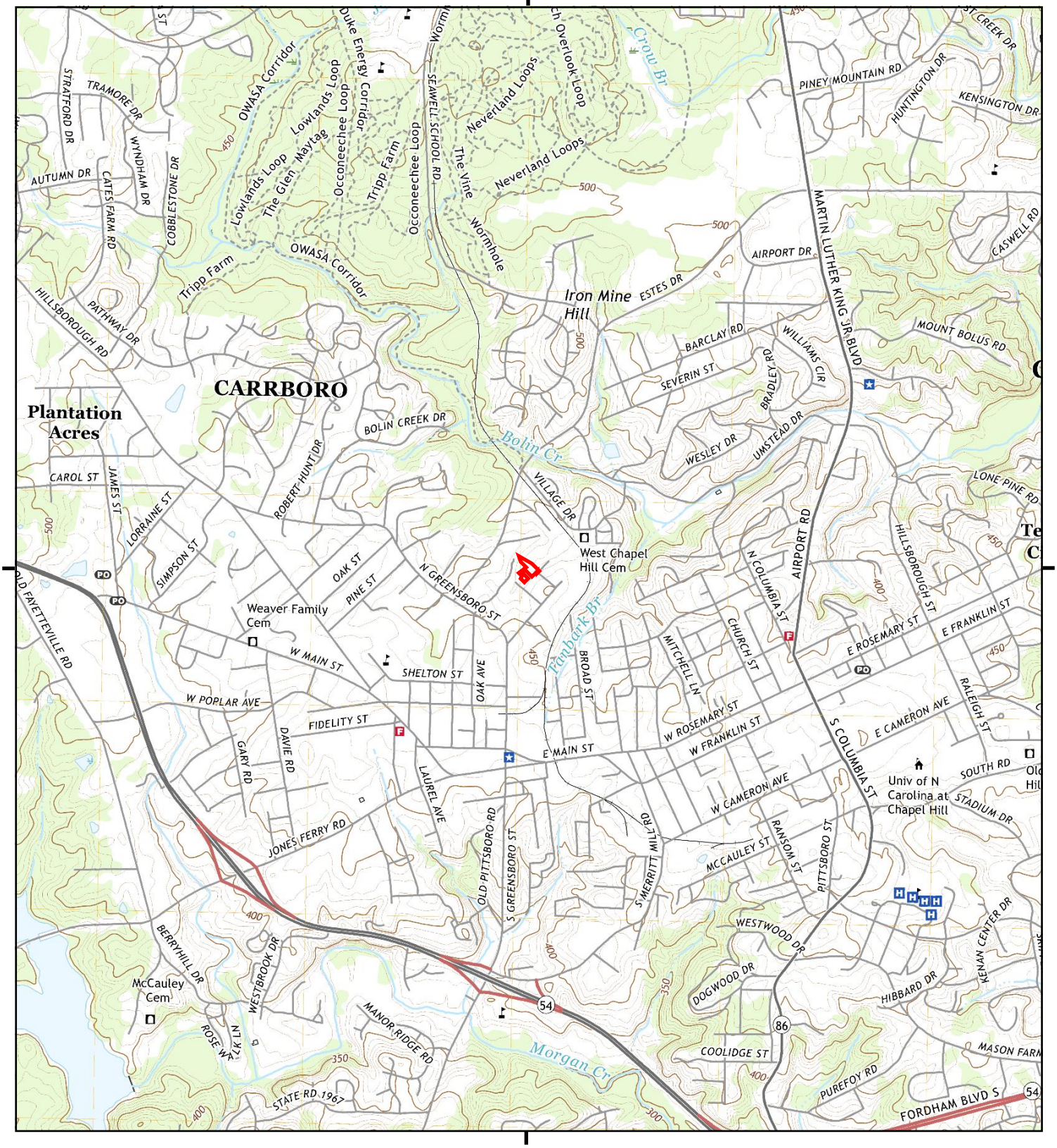
TP, Chapel Hill, 2022, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2019



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

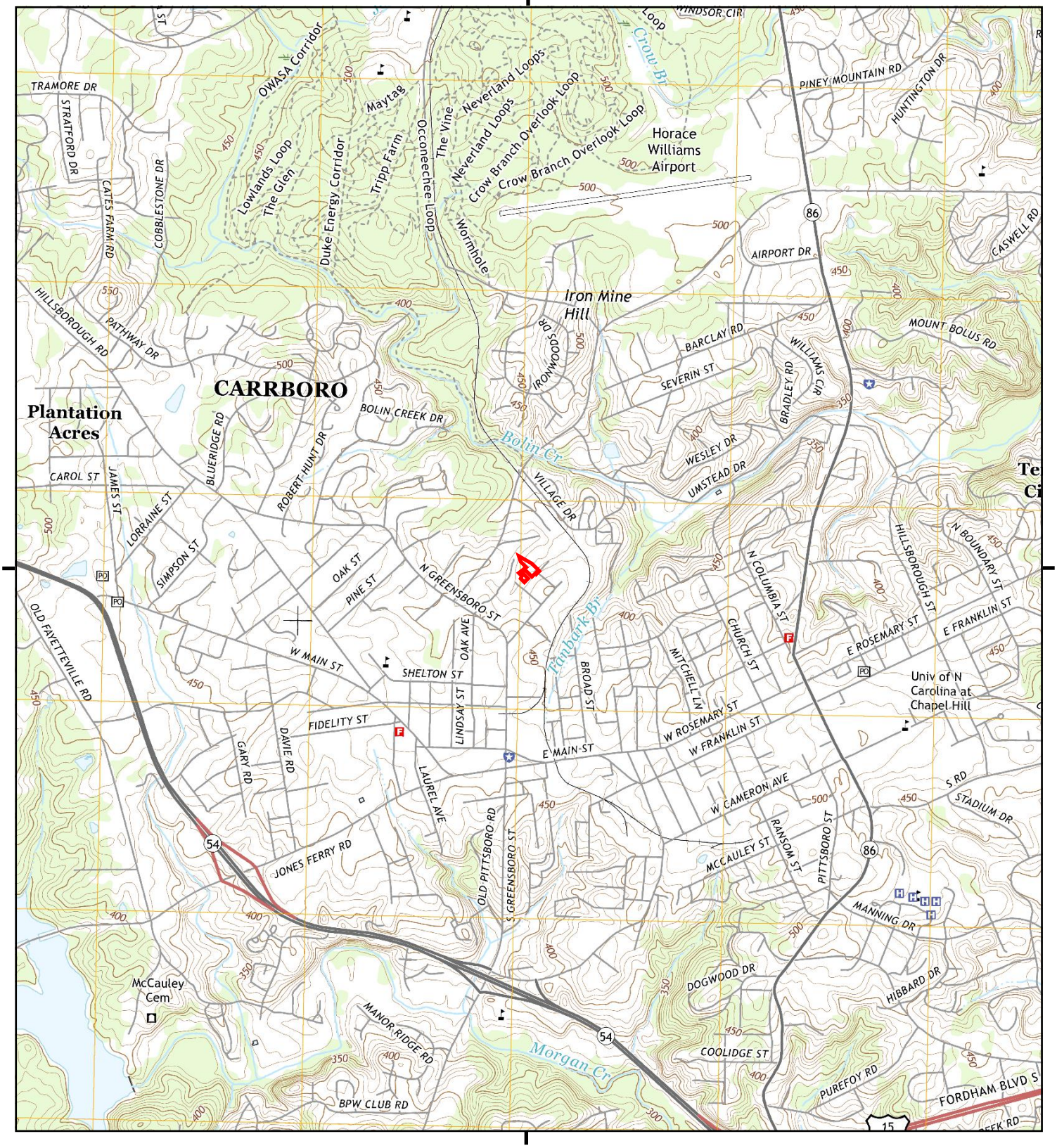
TP, Chapel Hill, 2019, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

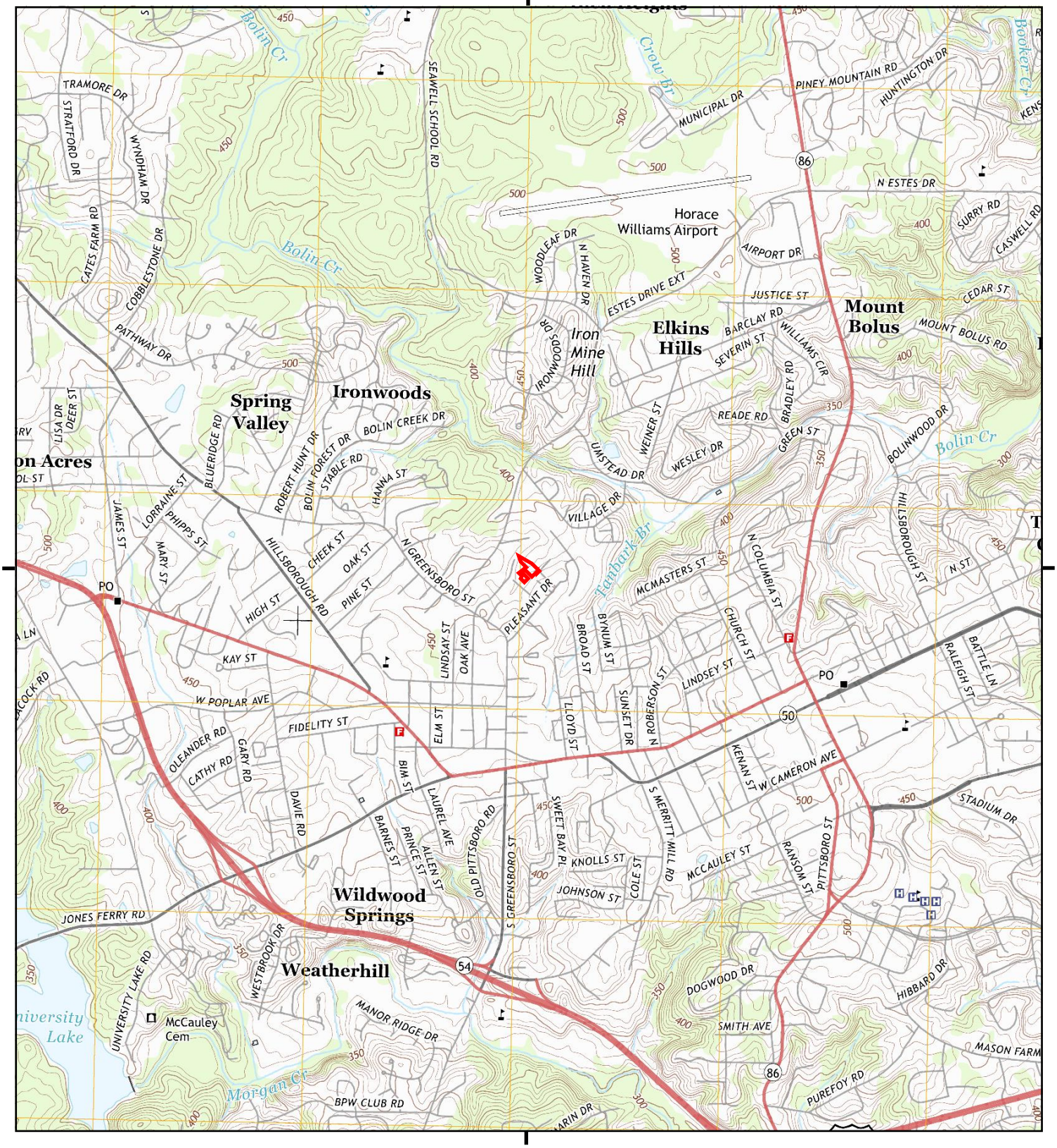
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 2016, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

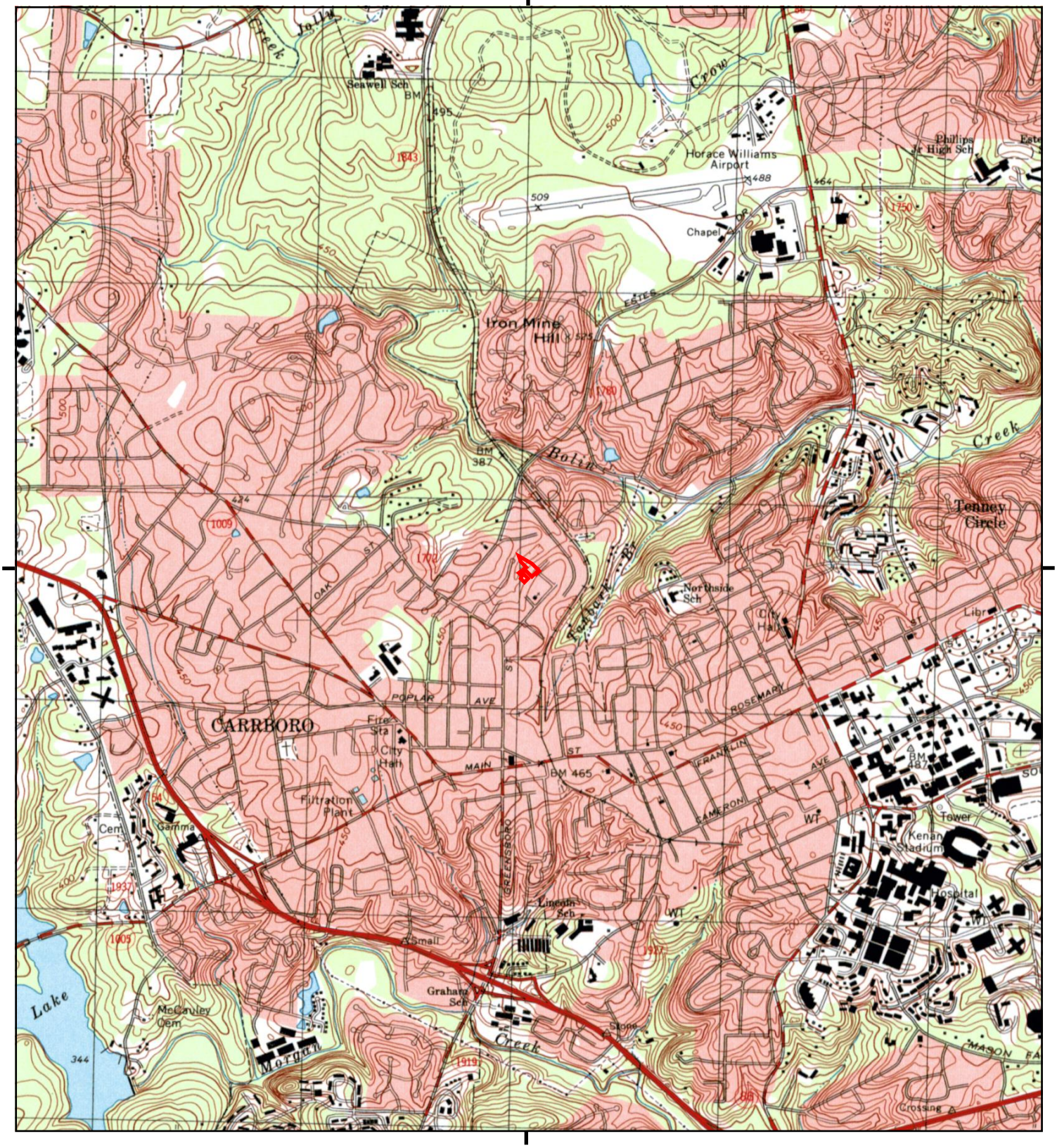
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 2013, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

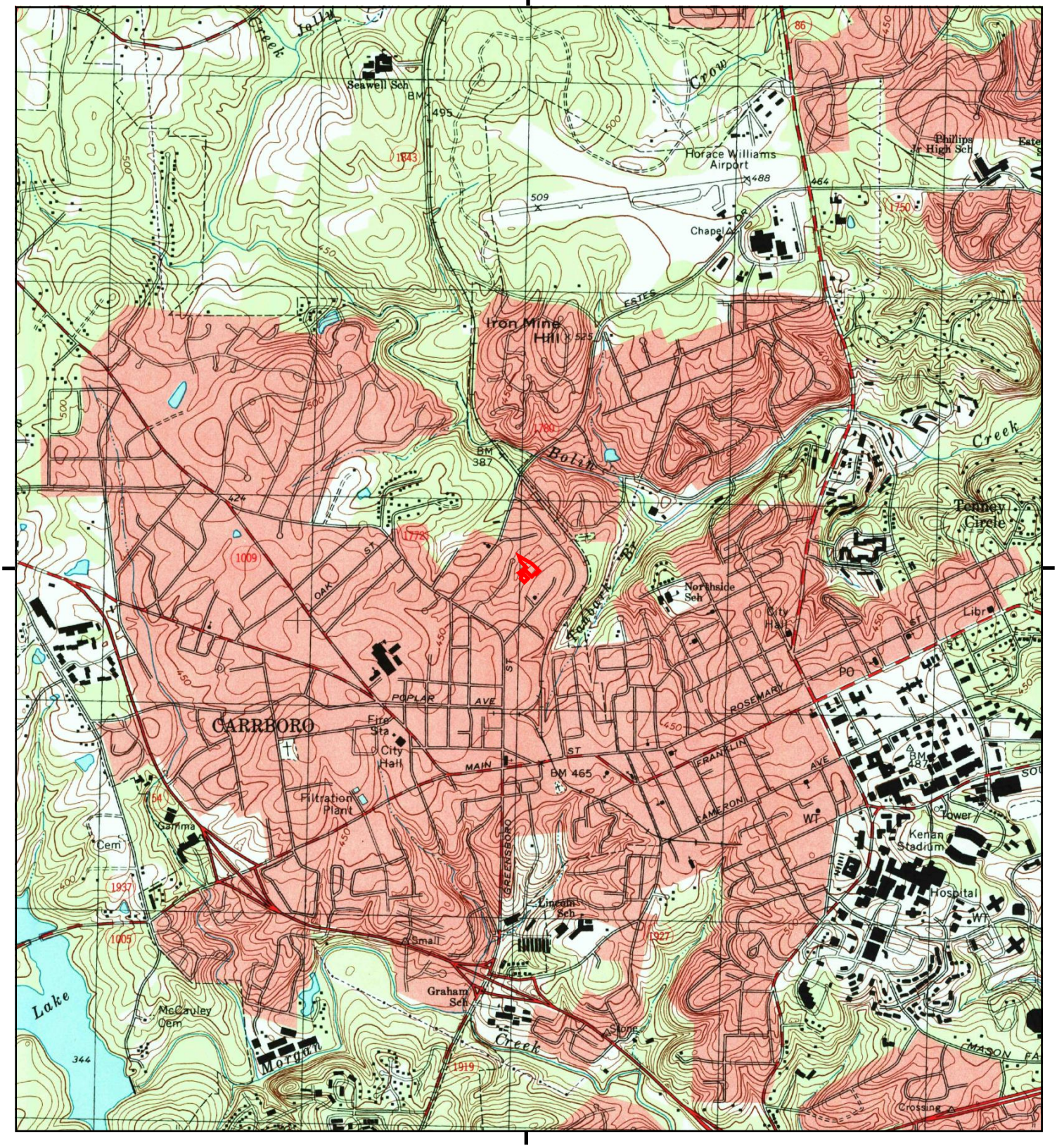
TP, CHAPEL HILL, 2002, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

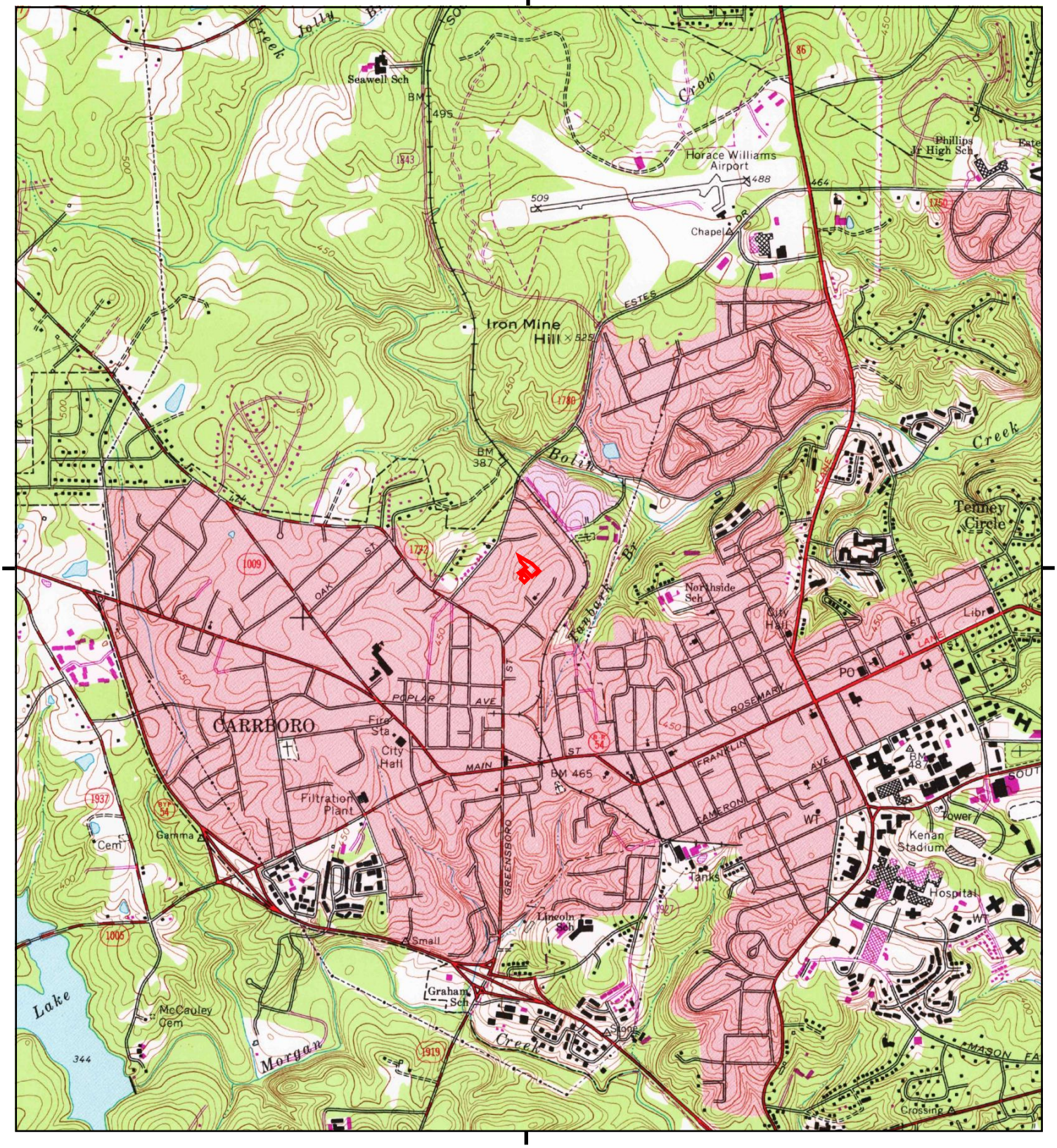
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1993, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

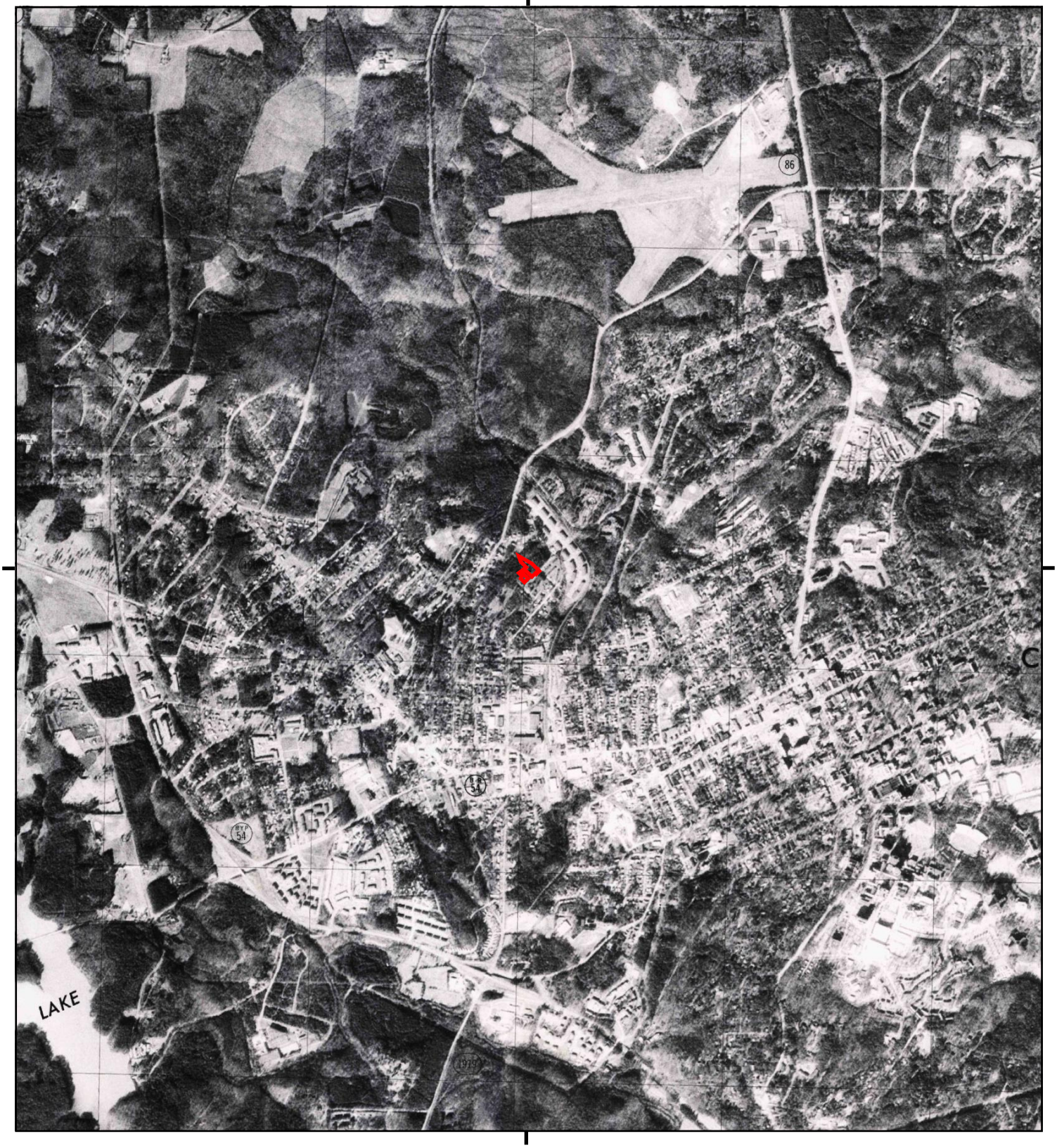
TP, Chapel Hill, 1981, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

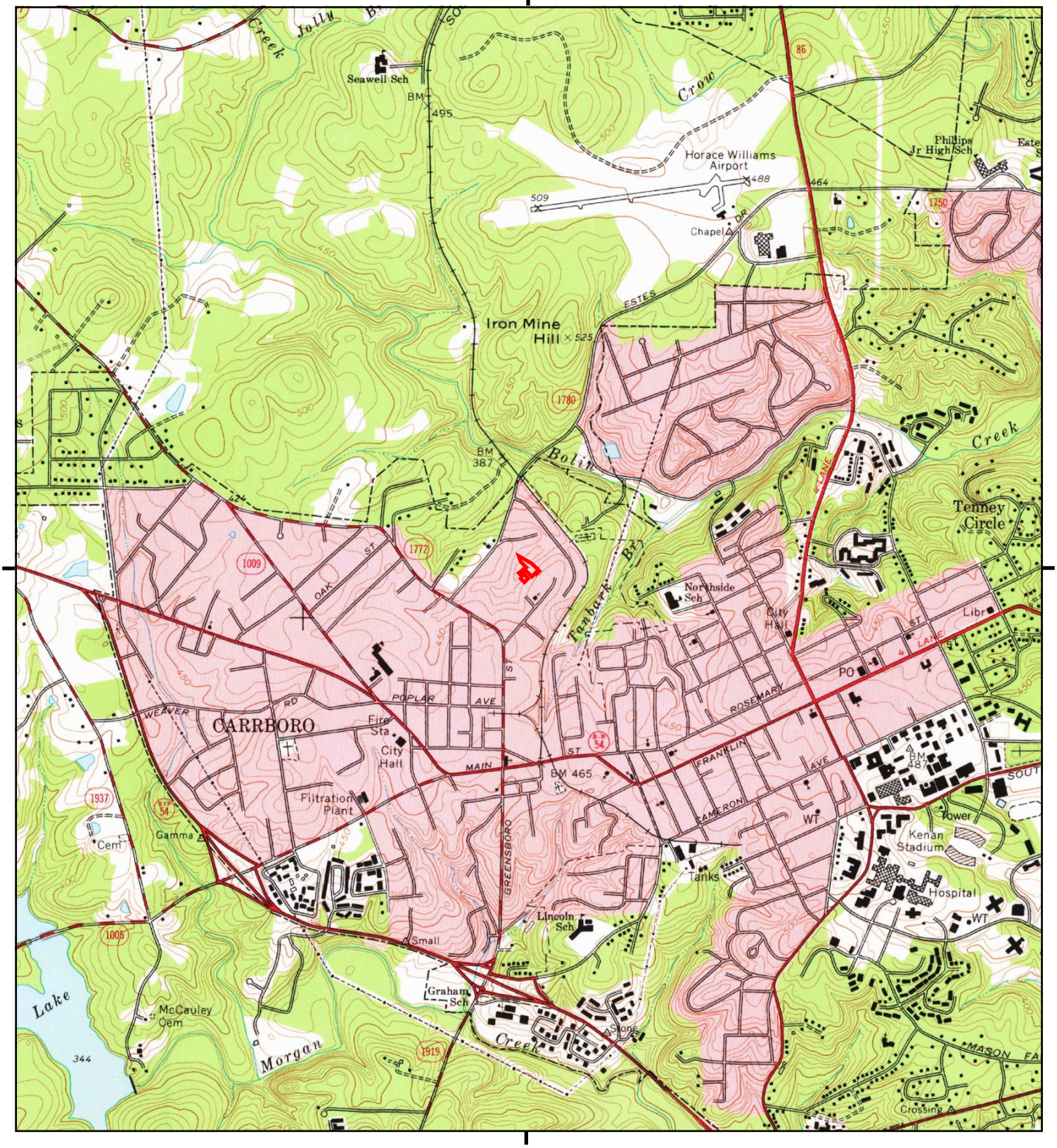
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1980, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

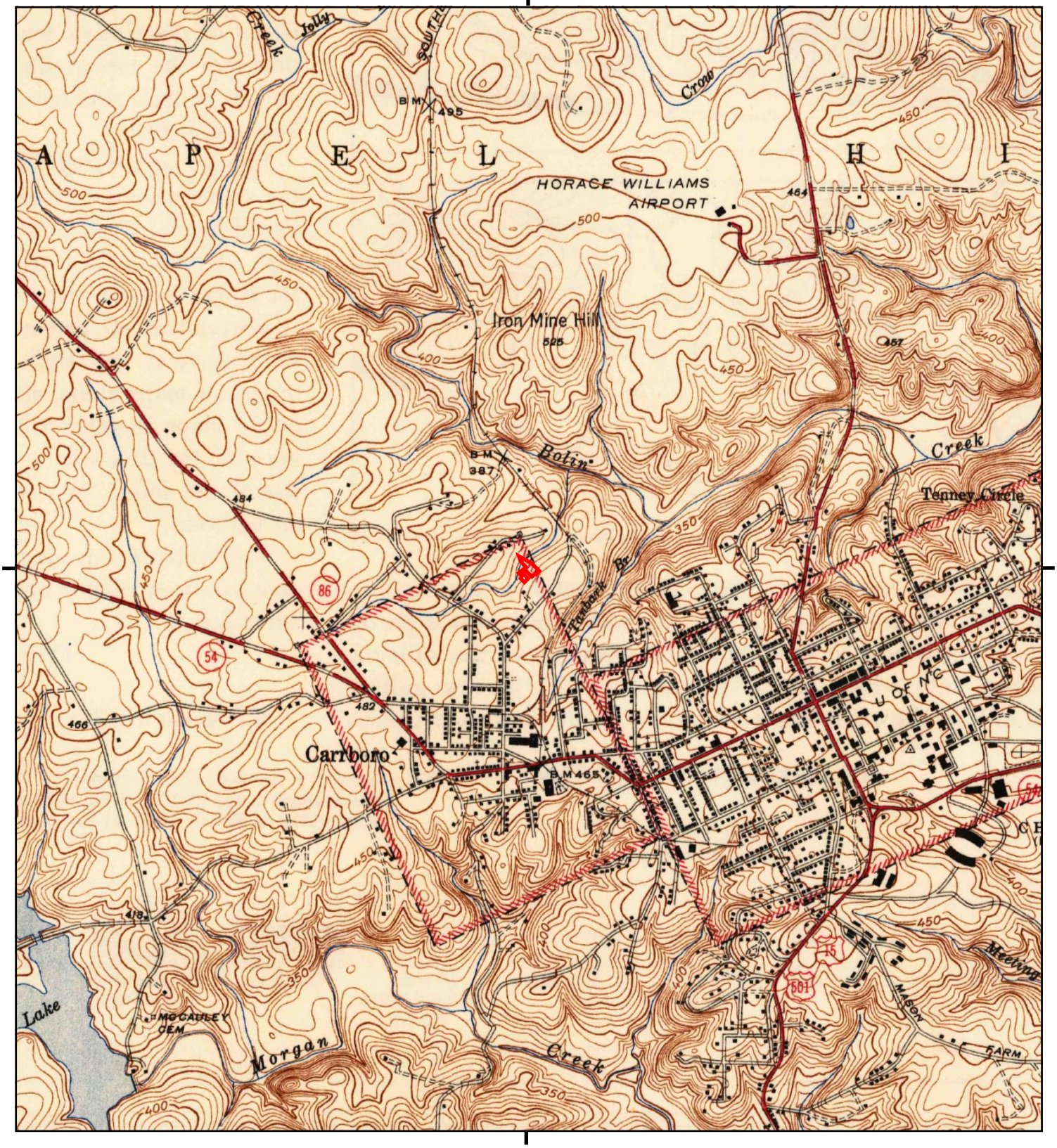
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1978, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

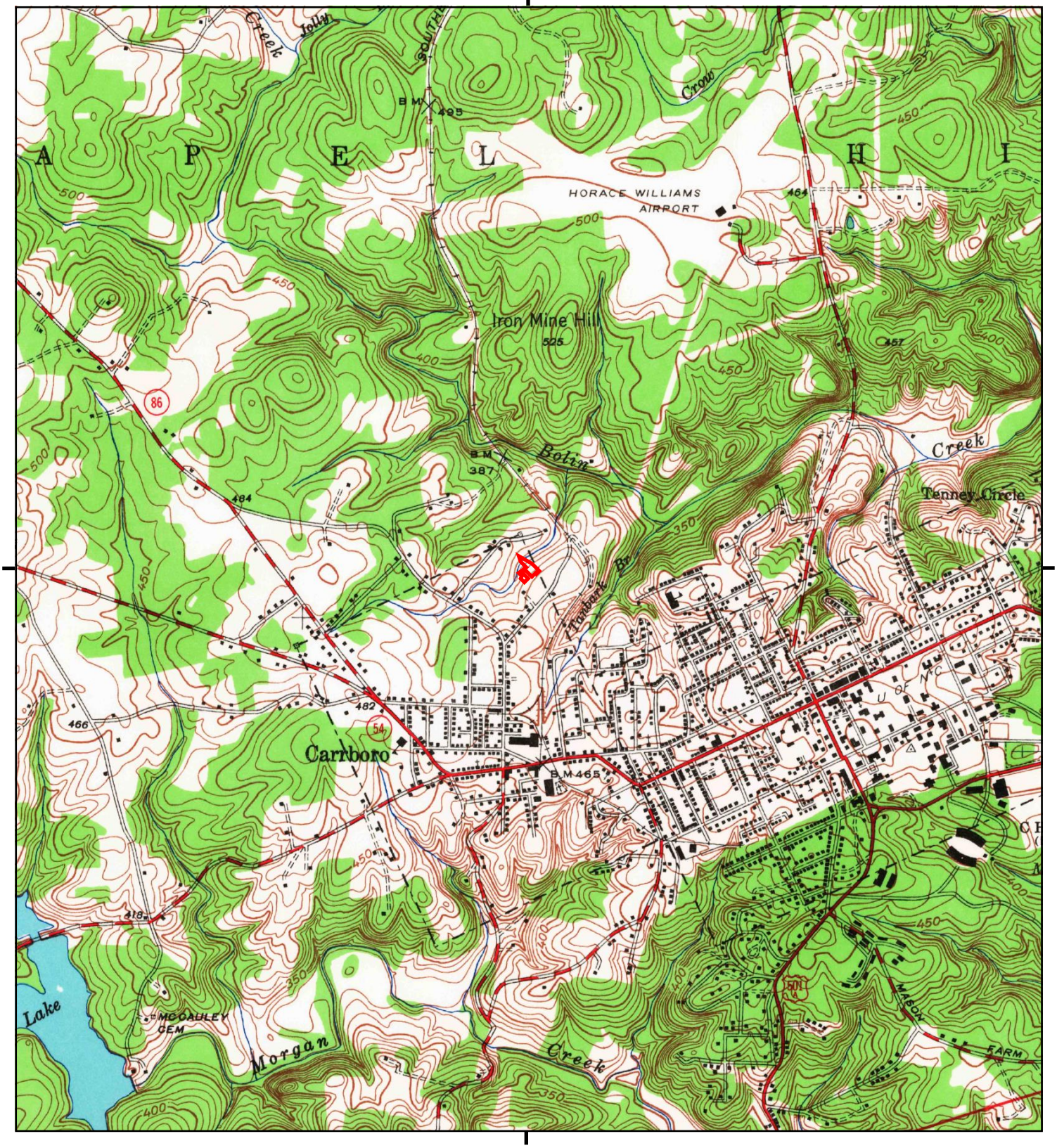
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1947, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1946, 7.5-minute

SITE NAME: Town of Carrboro Crest Street
ADDRESS: Not Reported
Carrboro, NC 27510
CLIENT: Summit Design & Engineering Services

N

Appendix D:

Regulatory Records

Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.2s
March 28, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	87
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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-14
Physical Setting Source Map Findings	A-16
Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9189070 - 35° 55' 8.06''
Longitude (West):	79.0710420 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ROGERS-THIEM INC		NC HSDS	Same	5228, 0.990, South
1	ROBERTSON PROPERTY U	124 ESTES DRIVE EXT	LUST, LUST TRUST	Higher	364, 0.069, WNW
A2	GLENN OIL BULK FUEL	103 MULBERRY STREET	LAST, IMD	Higher	664, 0.126, South
A3	SHERRY PROPERTY (STE	100 MULBERRY ST	LUST, LUST TRUST	Higher	670, 0.127, South
B4	WHITE, MARTHA - RESI	508 OAK AVENUE	LUST, LUST TRUST, IMD	Higher	1026, 0.194, SW
B5	OAK AVE SPILL	511 OAK AVE	LAST	Higher	1035, 0.196, SW
C6	WILTBERGER PROPERTY,	503 OAK AVE.	LUST, IMD	Higher	1322, 0.250, SW
C7	LISA CROUCHER PROPER	406 OAK AVENUE	LUST	Higher	1418, 0.269, SSW
8	KURALT, BRENDA RESID	110 WATTERS ROAD	LUST, LUST TRUST, IMD	Higher	1487, 0.282, WNW
D9	PENDERGRASS, CATHERI	401 LINDSAY STREET	LUST, LUST TRUST	Higher	1574, 0.298, SW
D10	PENDERGRASS, CATHERI	401 LINDSAY STREET	IMD	Higher	1574, 0.298, SW
11	LIEFF PROPERTY, SUSA	1200 N GREENSBORO ST	LUST, INST CONTROL	Higher	1740, 0.330, West
12	BURNETT PROPERTY (MA	714 GOMAIN STREET	LUST, LUST TRUST, INST CONTROL	Higher	1766, 0.334, SE
13	RODRIGUEZ GASOLINE R	202 SHELTON ST	LAST	Higher	1831, 0.347, SSW
E14	SOUTHERN STATES CARR	300 N. GREENSBORO ST	LUST, UST	Higher	2015, 0.382, South
E15	SOUTHERN STATES PROP	300 N. GREENSBORO ST	IMD	Higher	2015, 0.382, South
F16	PERRY PROPERTY, HOYT	103 PINE STREET	LUST, LUST TRUST, IMD	Higher	2048, 0.388, West
17	SELF HELP PROPERTY	605 CRAIG STREET	LUST, LUST TRUST, INST CONTROL	Higher	2051, 0.388, SE
F18	GREENSTREET PROPERTY	100 E. PINE STREET	LUST, LUST TRUST	Higher	2070, 0.392, West
E19	FITCH LUMBER COMPANY	309 N GREENSBORO STR	LUST, UST, IMD	Higher	2084, 0.395, South
E20	FITCH LUMBER COMPANY	309 N GREENSBORO STR	UST FINDER, UST FINDER RELEASE	Higher	2084, 0.395, South
F21	OAKLEY, LOUISE - PRO	105 PINE STREET	LUST, IMD, ASBESTOS	Higher	2132, 0.404, West
22	ONTJES PROPERTIES LL	205 LLOYD STREET	LUST, LUST TRUST, IMD	Higher	2235, 0.423, SSE
G23	NORRIS PROPERTY (GEO	114 ELM STREET	LUST, LUST TRUST, IMD	Higher	2433, 0.461, SW
H24	SECU*RE OAK PROPERTY	109 OAK STREET	LUST, INST CONTROL	Higher	2438, 0.462, West
I25	CARR MILL MALL	200 N GREENSBORO ST	SHWS	Higher	2464, 0.467, South
I26	CARR MILL MALL	200 NORTH GREENSBORO	IMD	Higher	2464, 0.467, South
27	BAKER PROPERTY, SUSA	110 PINE STREET	LUST, INST CONTROL	Higher	2475, 0.469, West
G28	HOGAN RESIDENCE	202 EAST POPLAR AVEN	LUST, LUST TRUST, IMD	Higher	2515, 0.476, SW
H29	PROVIDENCE PROPERTY	115 OAK STREET	LUST, LUST TRUST	Higher	2626, 0.497, West
30	NORTH MERRITT MILL R	N MERRITT MILL RD AN	SHWS	Higher	3565, 0.675, SSE
31	OWASA - NELLO TEER Q	HIGHWAY 54	SHWS, LAST, IMD	Higher	4522, 0.856, SW
32	UNC-COGENERATION FAC	575 W CAMERON AVE	SHWS, VCP	Higher	4690, 0.888, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---- National Priority List
Proposed NPL ---- Proposed National Priority List Sites
NPL LIENS ---- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---- Federal Facility Site Information listing
SEMS ---- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---- RCRA - Large Quantity Generators
RCRA-SQG ---- RCRA - Small Quantity Generators
RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... List of Solid Waste Facilities
DEBRIS ..... Solid Waste Active Disaster Debris Sites Listing
OLI ..... Old Landfill Inventory
LCID ..... Land-Clearing and Inert Debris (LCID) Landfill Notifications

Lists of state and tribal leaking storage tanks

INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Petroleum Underground Storage Tank Database
AST ..... AST Database
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ..... Responsible Party Voluntary Action Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY ..... Recycling Center Listing
HIST LF ..... Solid Waste Facility Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ..... Delisted National Clandestine Laboratory Register
US CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information

EXECUTIVE SUMMARY

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills Incident Listing
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing

EXECUTIVE SUMMARY

PFAS WQP ---------- Ambient Environmental Sampling for PFAS
PFAS NPDES ---------- Clean Water Act Discharge Monitoring Information
PFAS ECHO ---------- Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING ---------- Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT ---------- All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC ---------- Aqueous Foam Related Incidents Listing
BIOSOLIDS ---------- ICIS-NPDES Biosolids Facility Data
PFAS ---------- PFAS Contamination Site Listing
AIRS ---------- Air Quality Permit Listing
ASBESTOS ---------- Asbestos Permits & Notifications Information
CCB ---------- Coal Ash Structural Fills (CCB) Listing
COAL ASH ---------- Coal Ash Disposal Sites
DRYCLEANERS ---------- Drycleaning Sites
Financial Assurance ---------- Financial Assurance Information Listing
NPDES ---------- NPDES Facility Location Listing
PCSRP ---------- Petroleum-Contaminated Soil Remediation Permits
SEPT HAULERS ---------- Permitted Septage Haulers Listing
UIC ---------- Underground Injection Wells Listing
AOP ---------- Animal Operation Permits Listing
UST FINDER ---------- UST Finder Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner ---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS ---------- Recovered Government Archive State Hazardous Waste Facilities List
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROGERS-THIEM INC		S 1/2 - 1 (0.990 mi.)	0	8

Lists of state- and tribal hazardous waste facilities

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 12/01/2023 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARR MILL MALL Facility Id: NONCD0001186	200 N GREENSBORO ST	S 1/4 - 1/2 (0.467 mi.)	I25	71
NORTH MERRITT MILL R Facility Id: NONCD0003091	N MERRITT MILL RD AN	SSE 1/2 - 1 (0.675 mi.)	30	81
OWASA - NELLO TEER Q Facility Id: NONCD0002247	***HIGHWAY 54***	***SW 1/2 - 1 (0.856 mi.)***	***31***	***82***
UNC-COGENERATION FAC Facility Id: NCR000010272	***575 W CAMERON AVE***	***SSE 1/2 - 1 (0.888 mi.)***	***32***	***85***

Lists of state and tribal leaking storage tanks

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 3 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Close Out: 11/16/2004 Incident Number: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***10***

Current Status: C				
OAK AVE SPILL Incident Number: 96636 Current Status: C	511 OAK AVE	SW 1/8 - 1/4 (0.196 mi.)	B5	18
RODRIGUEZ GASOLINE R Incident Number: 92168 Current Status: C	202 SHELTON ST	SSW 1/4 - 1/2 (0.347 mi.)	13	38

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 21 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Incident Phase: CO Incident Number: 39750 Current Status: File Located in House	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Incident Phase: CO Incident Number: 33663 Current Status: File Located in Archives	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***13***
WHITE, MARTHA - RESI Incident Number: 26119 Current Status: File Located in House	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
WILTBERGER PROPERTY, Incident Phase: CO Incident Number: 26900 Current Status: File Located in Archives	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***20***
LISA CROUCHER PROPER Incident Phase: CO Incident Number: 48454 Current Status: File Located in House	406 OAK AVENUE	SSW 1/4 - 1/2 (0.269 mi.)	C7	23
KURALT, BRENDA RESID Incident Phase: CO Incident Number: 26766 Current Status: File Located in Archives	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Incident Phase: CO Incident Number: 33016 Current Status: File Located in Archives	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***30***
LIEFF PROPERTY, SUSA Incident Phase: CO Incident Number: 46130 Current Status: File Located in House	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***34***
BURNETT PROPERTY (MA Incident Phase: CO	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***

Incident Number: 33418
Current Status: File Located in Archives

SOUTHERN STATES CARR	***300 N. GREENSBORO ST***	***S 1/4 - 1/2 (0.382 mi.)***	***E14***	***40***
Incident Phase: CO Incident Number: 26457 Current Status: File Located in Archives				
PERRY PROPERTY, HOYT	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
Incident Phase: RE Incident Number: 20571 Current Status: File Located in House				
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
Incident Phase: CO Incident Number: 39584 Current Status: File Located in House				
GREENSTREET PROPERTY	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***51***
Incident Phase: CO Incident Number: 39371 Current Status: File Located in House				
FITCH LUMBER COMPANY	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***52***
Incident Phase: CO Incident Number: 10287 Current Status: File Located in Archives				
OAKLEY, LOUISE - PRO	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***58***
Incident Phase: CO Incident Number: 26074 Current Status: File Located in Archives				
ONTJES PROPERTIES LL	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
Incident Phase: CO Incident Number: 20431 Current Status: File Located in Archives				
NORRIS PROPERTY (GEO	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
Incident Phase: CO Incident Number: 33029 Current Status: File Located in Archives				
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***69***
Incident Phase: CO Incident Number: 46205 Current Status: File Located in House				
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***74***
Incident Phase: CO Incident Number: 46218 Current Status: File Located in House				
HOGAN RESIDENCE	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***
Incident Phase: CO Incident Number: 16584 Current Status: File Located in Archives				
PROVIDENCE PROPERTY	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***79***
Incident Phase: CO Incident Number: 39799 Current Status: File Located in House				

EXECUTIVE SUMMARY

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 13 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Site ID: 39750	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Site ID: 33663	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***13***
WHITE, MARTHA - RESI Site ID: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
KURALT, BRENDA RESID Site ID: 26683	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Site ID: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***30***
BURNETT PROPERTY (MA Site ID: 33418	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***
PERRY PROPERTY, HOYT Site ID: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
SELF HELP PROPERTY Site ID: 39584	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
GREENSTREET PROPERTY Site ID: 39371	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***51***
ONTJES PROPERTIES LL Site ID: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
NORRIS PROPERTY (GEO Site ID: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
HOGAN RESIDENCE Site ID: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***
PROVIDENCE PROPERTY Site ID: 39799	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***79***

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring.

A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 5 INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***34***
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***36***
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***48***
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***69***
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***74***

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there are 13 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Facility Id: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***10***
WHITE, MARTHA - RESI Facility Id: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***15***
WILTBERGER PROPERTY, Facility Id: 26900	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***20***
KURALT, BRENDA RESID Facility Id: 26683 Facility Id: 26766	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***25***
PENDERGRASS, CATHERI Facility Id: 33016	401 LINDSAY STREET	SW 1/4 - 1/2 (0.298 mi.)	D10	32
SOUTHERN STATES PROP Facility Id: 26457	300 N. GREENSBORO ST	S 1/4 - 1/2 (0.382 mi.)	E15	43
PERRY PROPERTY, HOYT Facility Id: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***45***
FITCH LUMBER COMPANY Facility Id: 10287	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***52***
OAKLEY, LOUISE - PRO Facility Id: 26074	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***58***
ONTJES PROPERTIES LL Facility Id: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***62***
NORRIS PROPERTY (GEO Facility Id: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***66***
CARR MILL MALL Facility Id: 86525	200 NORTH GREENSBORO	S 1/4 - 1/2 (0.467 mi.)	I26	72
HOGAN RESIDENCE Facility Id: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***76***

Other Ascertainable Records

UST FINDER RELEASE: US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that

there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the target property.

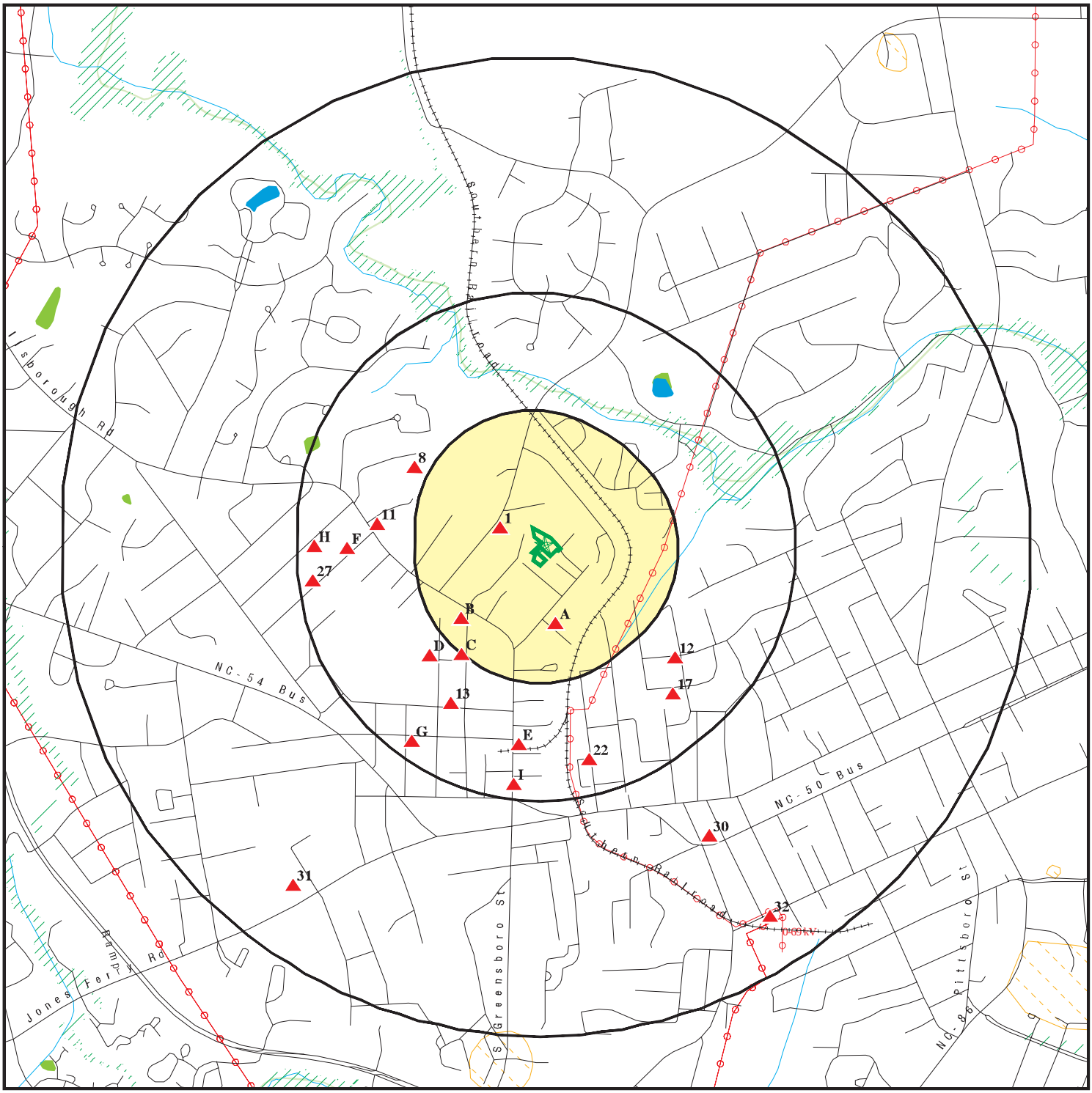
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FITCH LUMBER COMPANY	*309 N GREENSBORO STR*	*S 1/4 - 1/2 (0.395 mi.)*	*E20*	*57*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 5 records.

Site Name	Database(s)
ROCKY BROOK WASHERETTE	DRYCLEANERS
ORANGE COUNTY WALNUT GROVE HHW	SWF/LF
KAST PROPERTY, CHARLES	LUST
AMOCO #2281	LUST TRUST
CHAPEL HILL LANDFILL	OLI

OVERVIEW MAP - 7609267.2S



0 1/4 1/2 1 Miles

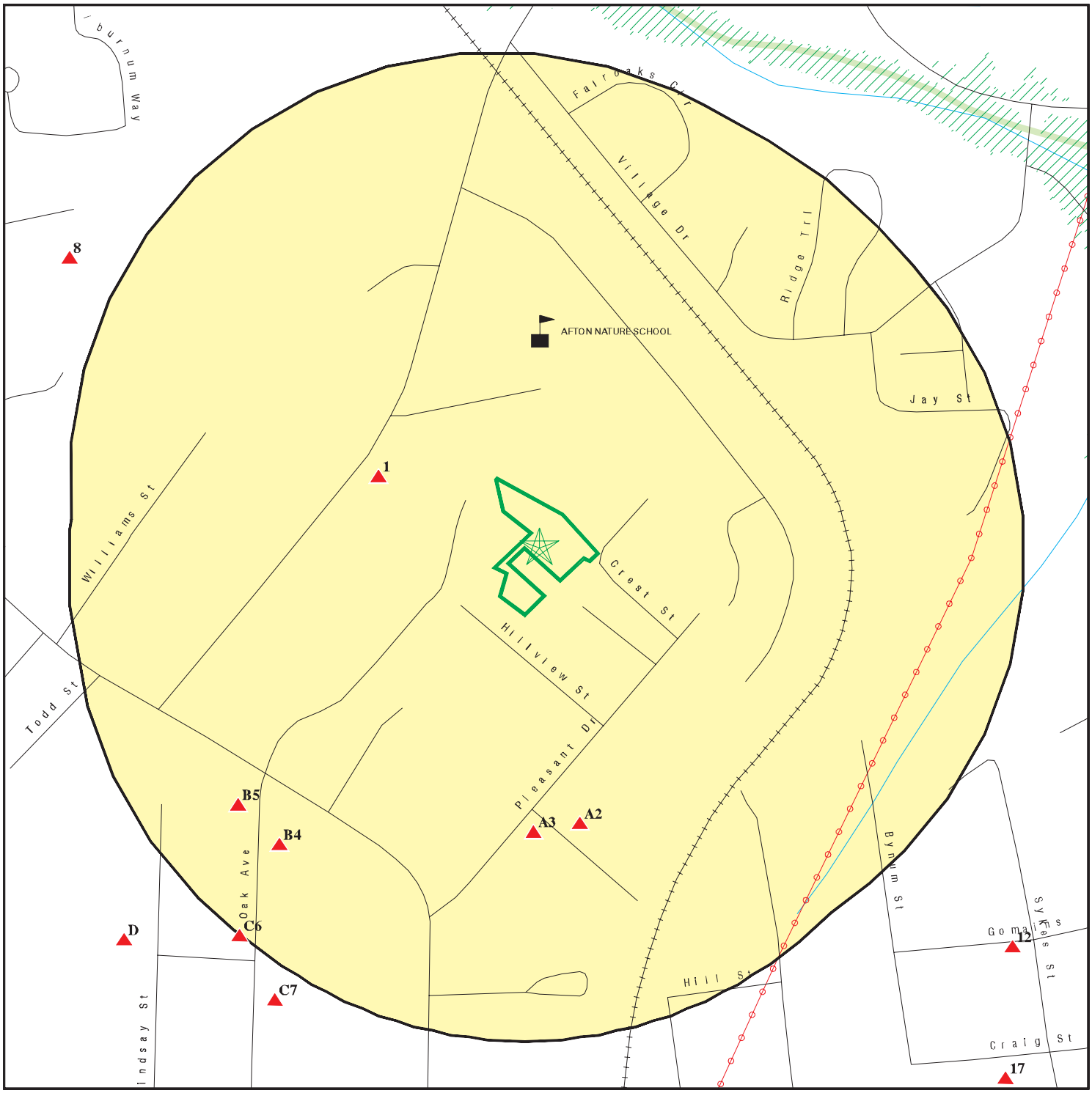
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Town of Carrboro Crest Street ADDRESS: Not Reported Carrboro NC 27510 LAT/LONG: 35.918907 / 79.071042	CLIENT: Summit Design & Engineering Services CONTACT: Aaron Gross INQUIRY #: 7609267.2s DATE: March 28, 2024 7:45 pm

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DETAIL MAP - 7609267.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	1	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	2	1	NR	NR	3
LUST	0.500		1	2	18	NR	NR	21
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		1	2	10	NR	NR	13
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	5	NR	NR	5
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	2	11	NR	NR	13
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	1	NR	NR	1
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	8	47	4	0	61

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

HSDS
Region South
1/2-1
5228 ft.

ROGERS-THIEM INC
, NC

NC HSDS **S102442343**
N/A

HSDS:

Name:	ROGERS-THIEM INC
Address:	Not reported
City:	Not reported
Site Type:	1
Superfun Number:	Not reported
Total area in coverage units:	37146.546875
Total perimeter in coverage units:	689.66589355
X-value coordinate in feet:	1978394.5
Y-value coordinate in feet:	783564.25
Sites designated as superfund cleanup sites:	250
Length of feature in internal units:	689.665905773
Area of feature in internal units squared:	37146.5455937

1
WNW
< 1/8
0.069 mi.
364 ft.

ROBERTSON PROPERTY UST
124 ESTES DRIVE EXT
CARRBORO, NC 27510

LUST **S118128382**
LUST TRUST **N/A**

Relative:
Higher

Actual:
442 ft.

LUST:

Name:	ROBERTSON PROPERTY UST
Address:	124 ESTES DRIVE EXT
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-7641
Incident Number:	39750
Source Type:	7
Date Reported:	05/26/2015
Closure Request:	Not reported
Close Out:	09/23/2015
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0

ROBERTSON PROPERTY UST (Continued) **S118128382**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	True
Testlat:	Not reported
Regional Officer Project Mgr:	CCW
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7641
Facility Id:	39750
Date Occurred:	2015-03-24 00:00:00
Date Reported:	2015-05-26 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	6
Source:	G
UST Number:	P

LUST:

Incident Number:	39750
Last Modified:	9/23/2015
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	ROBERTSON PROPERTY UST
Address:	124 ESTES DRIVE EXT
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39750
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then

ROBERTSON PROPERTY UST (Continued) **S118128382**

reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 11/17/15]

Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

A2 **GLENN OIL BULK FUEL FACILITY (** **LAST** **S104157092**
South **103 MULBERRY STREET** **IMD** **N/A**
1/8-1/4 **CARRBORO, NC**
0.126 mi.
664 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
446 ft.

LAST:

Name:	GLENN OIL BULK FUEL FACILITY (SEE COMMENTS)	
Address:	103 MULBERRY STREET	
City,State,Zip:	CARRBORO, NC	
Facility ID:	Not reported	
UST Number:	RA-20705	
Incident Number:	20705	
Contamination Type:		GW
Source Type:	14	
Product Type:	N	
Date Reported:	06/24/1998	
Date Occur:	06/24/1998	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	11/16/2004	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		Not reported
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		Not reported
Risk Classification:		Not reported
Risk Class Based On Review:		L
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	25	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Not reported	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	Not reported	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

Error Code:	Not reported
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	35.91631 -79.07013
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	Not reported
Contact Person:	K. ROBERTSON/MARY GLENN
Telephone:	Not reported
RP Address:	124 ESTES DRIVE
RP City,St,Zip:	CARRBORO, NC
RP County:	Not reported
Comments:	ASSESSMENT SAYS SOIL AND GW DIESEL IMPACTSPROPERTY IS NOW IS A LARGE, ABANDONED LOT ADJACENT TO A SMALLER RESIDENTIAL LOT THAT HAS THE SAME STREET ADDRESS AS THE FORMER GLENN OIL FACILITY.(6-24-03)Closed File- Sent to State Records Center 11/12/04 Box 4 of 7 Item #25681
5 Min Quad:	Not reported

PIRF:

Facility Id:	20705
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	5
Operation Type:	8
Type:	Not reported
Location:	Not reported
Site Priority:	25E
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	0
Samples Taken By:	Not reported
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Cause:	Not reported
Source:	Not reported
Source Type:	0
Last Modified:	11/16/2004
Incident Phase:	**CO**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	6/26/2000

IMD:

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

Facility ID:	20705
Name:	GLENN OIL BULK FUEL FACILITY (
Address:	103 MULBERRY STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	6/24/1998
Submit Date:	10/20/1999
Incident Desc:	ASSESSMENT SAYS SOIL AND GW DIESEL IMPACTS PROPERTY IS NOW IS A LARGE, ABANDONED LOT ADJACENT TO A SMALLER RESIDENTIAL LOT THAT HAS THE SAME STREET ADDRESS AS T
Operator:	ROBERTSON/MARY GLENN, K.
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	8
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Not reported
Responsible Party County:	Not reported
Source:	Dredge Spoil
Type:	GASOLINE/DIESEL
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported

GLENN OIL BULK FUEL FACILITY ((Continued) **S104157092**

MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	919-832-2535
Owner Company:	Not reported
Operator Address:	124 ESTES DRIVE
Operator City,State,Zip:	CARRBORO, NC 919-832-2535
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	E
Dem Contact:	ERIC RICE
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	GPS
Agency:	DWQ

A3 **SHERRY PROPERTY (STEVEN)** **LUST** **S109836876**
South **100 MULBERRY ST** **LUST TRUST** **N/A**
1/8-1/4 **CARRBORO, NC 27510**
0.127 mi.
670 ft. **Site 2 of 2 in cluster A**

Relative: LUST:
Higher

Name:	SHERRY PROPERTY (STEVEN)
Address:	100 MULBERRY ST
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-6122
Incident Number:	33663
Source Type:	3
Date Reported:	05/19/2009
Closure Request:	Not reported
Close Out:	06/23/2009
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported

Actual:
449 ft.

SHERRY PROPERTY (STEVEN) (Continued) **S109836876**

Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	90
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	DMD
Company:	Not reported
Telephone:	9199333627
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-6122
Facility Id:	33663
Date Occurred:	2009-05-18 00:00:00
Date Reported:	2009-05-19 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	33663
Last Modified:	6/23/2009
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported

SHERRY PROPERTY (STEVEN) (Continued) **S109836876**

45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	SHERRY PROPERTY (STEVEN)
Address:	100 MULBERRY ST
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33663
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 8/26/09]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

B4 **WHITE, MARTHA - RESIDENCE** **LUST** **S105707186**
SW **508 OAK AVENUE** **LUST TRUST** **N/A**
1/8-1/4 **CARRBORO, NC 27510** **IMD**
0.194 mi.
1026 ft. **Site 1 of 2 in cluster B**

Relative:
Higher

Actual:
455 ft.

LUST:

Name:	WHITE, MARTHA - RESIDENCE
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-4277
Incident Number:	26119
Source Type:	3
Date Reported:	11/12/2002
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	MARTHA WHITE
Telephone:	9199425638
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4277
Facility Id:	26119
Date Occurred:	2002-11-20 00:00:00
Date Reported:	2002-12-12 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST TRUST:

Name:	WHITE PROPERTY
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	26119
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

IMD:

Facility ID:	26119
Name:	WHITE, MARTHA - RESIDENCE
Address:	508 OAK AVENUE
City,State,Zip:	CARRBORO, NC
Date Occurred:	11/20/2002
Submit Date:	12/12/2002
Incident Desc:	550-gallon heating oil UST closed 11/05/2002. 12/18/2002, JFM ///
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91638888
Longitude:	-79.07416666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported

WHITE, MARTHA - RESIDENCE (Continued) **S105707186**

Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9199425638
Owner Company:	MARTHA WHITE
Operator Address:	508 OAK AVENUE
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355459
Longitude Number:	790427
Latitude Decimal:	35.9163888888889
Longitude Decimal:	79.0741666666667
GPS:	7
Agency:	DWM

B5 **OAK AVE SPILL** **LAST** **S128647293**
SW **511 OAK AVE** **N/A**
1/8-1/4 **CARRBORO, NC 27510**
0.196 mi.
1035 ft. **Site 2 of 2 in cluster B**

Relative: LAST:
Higher

Actual:
451 ft.

Name:	OAK AVE SPILL	
Address:	511 OAK AVE	
City,State,Zip:	CARRBORO, NC 27510	
Facility ID:	Not reported	
UST Number:	RA-92951	
Incident Number:	96636	
Contamination Type:		SL
Source Type:	21	
Product Type:	P	
Date Reported:	02/10/2022	
Date Occur:	01/25/2022	
Cleanup:	01/25/2022	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		N
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		N

OAK AVE SPILL (Continued) **S128647293**

Risk Classification:		H
Risk Class Based On Review:		H
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	RES	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	Not reported	
LUR Filed:	Not reported	
Release Detection:	Not reported	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	3	
RPL:	True	
CD Num:	Not reported	
Reel Num:	Not reported	
RPOW:	True	
RPOP:	True	
Error Flag:	Not reported	
Error Code:	N	
Valid:	False	
Lat/Long:	Not reported	
Lat/Long Decimal:	35.91667 -79.07432	
Testlat:	Not reported	
Regional Officer Project Mgr:		JFM
Region:		RAL
Company:		Not reported
Contact Person:		Kelvin Hargraves and Katye
Telephone:		9195932546
RP Address:		511 Oak Ave Spill
RP City,St,Zip:		CARRBORO, NC 27510
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	96636
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	CFRD Incident Report.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	3
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	Not reported
Samples Taken By:	N
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported

OAK AVE SPILL (Continued) **S128647293**

Pirf/Min Soil:	Not reported
Release Code:	4
Cause:	4
Source:	A
Source Type:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C6 **WILTBERGER PROPERTY, TOM** **LUST S107031815**
SW **503 OAK AVE.** **IMD N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.250 mi.
1322 ft. **Site 1 of 2 in cluster C**

Relative: **Higher**
Actual: **467 ft.**

LUST:

Name:	WILTBERGER PROPERTY, TOM
Address:	503 OAK AVE.
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5358
Incident Number:	26900
Source Type:	3
Date Reported:	05/20/2005
Closure Request:	Not reported
Close Out:	10/14/2005
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	90
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	347

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Reel Num:	308
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Company:	TOM WILTBERGER
Telephone:	9199292005
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5358
Facility Id:	26900
Date Occurred:	2005-04-06 00:00:00
Date Reported:	2005-05-20 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	u
Samples Include:	Not reported
7#5 Minute Quad:	0
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	26900
Last Modified:	10/14/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

Facility ID:	26900
Name:	WILTBERGER PROPERTY, TOM
Address:	503 OAK AVE.
City,State,Zip:	CARRBORO, NC
Date Occurred:	4/6/2005

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Submit Date:	5/20/2005
Incident Desc:	heating oil release; NO SOIL SAMPLES OR CONTAM SOILS REMOVED;
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	0
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91555555
Longitude:	-79.07416666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported

WILTBERGER PROPERTY, TOM (Continued) **S107031815**

Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9199292005
Owner Company:	TOM WILTBERGER
Operator Address:	503 OAK AVE.
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MRP
Wells Contam:	Not reported
Latitude Number:	355456
Longitude Number:	790427
Latitude Decimal:	35.9155555555556
Longitude Decimal:	79.0741666666667
GPS:	6
Agency:	DWM

Status:

Facility ID:	26900
Last Modified:	2005-10-14 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C7 **LISA CROUCHER PROPERTY** **LUST** **S128894821**
SSW **406 OAK AVENUE** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.269 mi.
1418 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
472 ft.

LUST:

Name:	LISA CROUCHER PROPERTY
Address:	406 OAK AVENUE
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-29287
Incident Number:	48454
Source Type:	7
Date Reported:	05/20/2022

LISA CROUCHER PROPERTY (Continued) **S128894821**

Closure Request:	Not reported
Close Out:	08/30/2022
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	Not reported
LUR Filed:	05/23/2022
GPS Confirmed:	99
Current Status:	C
RBCA GW:	N
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	Not reported
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	PMM
Company:	Lisa Croucher
Telephone:	9193577946
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	Not reported
Facility Id:	48454
Date Occurred:	2022-04-28 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	4
Cause:	7
Source:	G

LISA CROUCHER PROPERTY (Continued) **S128894821**

UST Number: 2

LUST:
Incident Number: 48454
Last Modified: 8/30/2022
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

8
WNW
1/4-1/2
0.282 mi.
1487 ft.

KURALT, BRENDA RESIDENCE **LUST** **S106520701**
110 WATTERS ROAD **LUST TRUST** **N/A**
CARRBORO, NC 27510 **IMD**

Relative:
Higher

Actual:
451 ft.

LUST:
Name: KURALT, BRENDA RESIDENCE
Address: 110 WATTERS ROAD
City,State,Zip: CARRBORO, NC 27510-
Facility ID: Not reported
UST Number: RA-5218
Incident Number: 26766
Source Type: 3
Date Reported: 07/23/2004
Closure Request: Not reported
Close Out: 01/25/2005
Level Of Soil Cleanup Achieved: S3
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: RES
MTBE: 0
MTBE1: U
Flag: 0
Flag1: 0
LUR Filed: Not reported
GPS Confirmed: 99
Current Status: A
RBCA GW: G1
PETOPT: 4
RPL: False
CD Num: 263
Reel Num: 39

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	BRENDA KURALT
Telephone:	2394632470
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5218
Facility Id:	26766
Date Occurred:	2004-10-04 00:00:00
Date Reported:	2004-11-05 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	U
Samples Include:	Not reported
7#5 Minute Quad:	5
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26766
Last Modified:	1/25/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	KURALT PROPERTY, BRENDA
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	26683
Site Note:	noncommercial. 100% eligible. 0 deductible.

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

IMD:

Facility ID:	26683
Name:	KURALT PROPERTY, BRENDA
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Date Occurred:	7/22/2004
Submit Date:	7/23/2004
Incident Desc:	HEATING OIL RELEASE
Operator:	8701 ESTERO BOULEVARD
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	BRENDA KURALT
Operator Address:	#1206 THE GRANT VIEW
Operator City,State,Zip:	FT. MEYERS, FL 33931-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM
Facility ID:	26766
Name:	KURALT, BRENDA RESIDENCE
Address:	110 WATTERS ROAD
City,State,Zip:	CARRBORO, NC
Date Occurred:	10/4/2004
Submit Date:	11/5/2004
Incident Desc:	HEATING OIL RELEASE; 500 G UST; 47 TONS CONTAM SOILS REMOVED;
Operator:	8701 ESTERO BLVD
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	5
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.92166666
Longitude:	-79.075
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	2394632470
Owner Company:	BRENDA KURALT
Operator Address:	THE GRANT VIEW, APT #1206
Operator City,State,Zip:	FT. MYERS BEACH, FL 33931-
Operator County:	Not reported

KURALT, BRENDA RESIDENCE (Continued) **S106520701**

Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355518
Longitude Number:	790430
Latitude Decimal:	35.9216666666667
Longitude Decimal:	79.075
GPS:	7
Agency:	DWM

Status:

Facility ID:	26766
Last Modified:	2005-01-25 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

D9 **PENDERGRASS, CATHERINE PROPERTY** **LUST** **S107562969**
SW **401 LINDSAY STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.298 mi.
1574 ft. **Site 1 of 2 in cluster D**

Relative: Higher
Actual: 459 ft.

LUST:

Name:	PENDERGRASS, CATHERINE PROPERTY
Address:	401 LINDSAY STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5474
Incident Number:	33016
Source Type:	3
Date Reported:	02/23/2006
Closure Request:	Not reported
Close Out:	05/19/2006
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported

PENDERGRASS, CATHERINE PROPERTY (Continued) **S107562969**

Land Use:	RES
MTBE:	0
MTBE1:	Y
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	345
Reel Num:	306
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9199290216
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5474
Facility Id:	33016
Date Occurred:	2006-02-21 00:00:00
Date Reported:	2006-02-23 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	n
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33016
Last Modified:	5/19/2006
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported

PENDERGRASS, CATHERINE PROPERTY (Continued) **S107562969**

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Name: PENDERGRASS, CATHERINE PROPERTY
Address: 401 LINDSAY STREET
City,State,Zip: CARRBORO, NC
Facility ID: Not reported
Site ID: 33016
Site Note: Noncommercial. 100% eligible. 0 deductible.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

D10
SW
1/4-1/2
0.298 mi.
1574 ft.

PENDERGRASS, CATHERINE PROPERT **IMD** **S107671982**
401 LINDSAY STREET **N/A**
CARRBORO, NC

Site 2 of 2 in cluster D

Relative: Higher
Actual: 459 ft.

IMD:
Facility ID: 33016
Name: PENDERGRASS, CATHERINE PROPERT
Address: 401 LINDSAY STREET
City,State,Zip: CARRBORO, NC
Date Occurred: 2/21/2006
Submit Date: 2/23/2006
Incident Desc: Not reported
Operator: CATHERINE PENDERGRASS
UST ID: Not reported
Incident ID: Not reported
Initials of UST Regional Contact: Not reported
Regional Office: Not reported
Responsible Party/Company Name: Not reported
Ownership: 4
Responsible Party Contact Name: Not reported
Operation: 3
Responsible Party Mailing Address: Not reported
Responsible Party City,State,Zip: Not reported
Ownership: Private
Operation Type: Residential
Responsible Party County: Not reported
Source: Leak-underground
Type: GASOLINE/DIESEL
Location: 7
Petroleum Type: Not reported
Date Incident Reported: Not reported
Whether Tank is Commercial or Non Commercial: Not reported
Site Priority: Not reported
Whether Tank is Regulated: Not reported
Priority Update: Not reported

PENDERGRASS, CATHERINE PROPERT (Continued) **S107671982**

Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	y
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91555555
Longitude:	-79.07555555
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Contact Phone:	9199290216
Owner Company:	Not reported
Operator Address:	401 LINDSAY STREET
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	CED
Wells Contam:	Not reported
Latitude Number:	355456
Longitude Number:	790432
Latitude Decimal:	35.9155555555556
Longitude Decimal:	79.0755555555556
GPS:	6

PENDERGRASS, CATHERINE PROPERT (Continued) **S107671982**

Agency: DWM

Status:

Facility ID:	33016
Last Modified:	2006-05-19 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

11
West
1/4-1/2
0.330 mi.
1740 ft.

LIEFF PROPERTY, SUSAN **LUST** **S120840145**
1200 N GREENSBORO ST **INST CONTROL** **N/A**
CARRBORO, NC 27510

Relative:
Higher

Actual:
466 ft.

LUST:

Name:	LIEFF PROPERTY, SUSAN
Address:	1200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8050
Incident Number:	46130
Source Type:	3
Date Reported:	05/10/2017
Closure Request:	Not reported
Close Out:	06/19/2017
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	05/25/2017
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	9198186810
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8050
Facility Id:	46130
Date Occurred:	2017-05-05 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	4
Cause:	7
Source:	A
UST Number:	P

LUST:

Incident Number:	46130
Last Modified:	6/19/2017
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	LIEFF PROPERTY, SUSAN
Address:	1200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8050
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2017-05-24 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 5-24-2017
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1977078.7788699716
Y Coord:	789678.9011489004

---

12 **BURNETT PROPERTY (MARVA)** **LUST** **S108966443**
SE **714 GOMAIN STREET** **LUST TRUST** **N/A**
1/4-1/2 **CHAPEL HILL, NC 27516** **INST CONTROL**
0.334 mi.
1766 ft.

Relative:
Higher

Actual:
438 ft.

LUST:

Name:	BURNETT PROPERTY (MARVA)
Address:	714 GOMAIN STREET
City,State,Zip:	CHAPEL HILL, NC 27516
Facility ID:	Not reported
UST Number:	RA-5862
Incident Number:	33418
Source Type:	3
Date Reported:	12/01/2007
Closure Request:	Not reported
Close Out:	07/22/2008
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	07/31/2008
GPS Confirmed:	69
Current Status:	A
RBCA GW:	G2

BURNETT PROPERTY (MARVA) (Continued) **S108966443**

PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9199688315
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5862
Facility Id:	33418
Date Occurred:	2007-11-14 00:00:00
Date Reported:	2007-12-01 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33418
Last Modified:	7/22/2008
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	BURNETT PROPERTY (MARVA)
Address:	714 GOMAIN STREET

BURNETT PROPERTY (MARVA) (Continued) **S108966443**

City,State,Zip: CHAPEL HILL, NC
Facility ID: Not reported
Site ID: 33418
Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 1/22/08]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

INST CONTROL:
Name: BURNETT PROPERTY (MARVA)
Address: 714 GOMAIN STREET
City,State,Zip: CHAPEL HILL, NC
Project Number: RA-5862
Object ID: Not reported
DWM Contact: Raleigh Regional Office (919) 791-4200
DWM Program: Underground Storage Tank Section
Project Status: No Further Action
COC: Multi COC
Contamination Source: UST System
Received Date: 2008-07-30 00:00:00
Restricted Media: Multi-Media
Allowed Use: Media Restrictions Only
Certification: None
Plant Reception Date: Not reported
Instrument Status: Effective
Deed BK: Not reported
Deed PG: Not reported
Plat BK: Not reported
Plat PG: Not reported
Instrument: Notice and Restriction
Deed: Not reported
Deed Date: Recorded 7-30-2008
Plat: Not reported
Plat Date: Not reported
X Coord: 1980418.5969934762
Y Coord: 788161.4717690647

13
SSW
1/4-1/2
0.347 mi.
1831 ft.

RODRIGUEZ GASOLINE RELEASE **LAST** **S126204698**
202 SHELTON ST **N/A**
CARRBORO, NC 27510

Relative: Higher

Actual: 473 ft.

LAST:
Name: RODRIGUEZ GASOLINE RELEASE
Address: 202 SHELTON ST
City,State,Zip: CARRBORO, NC 27510
Facility ID: Not reported
UST Number: RA-92178
Incident Number: 92168
Contamination Type: SL
Source Type: 12
Product Type: P
Date Reported: 04/26/2010

RODRIGUEZ GASOLINE RELEASE (Continued) **S126204698**

Date Occur:	04/26/2010	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		N
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		N
Risk Classification:		H
Risk Class Based On Review:		H
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	RES	
MTBE:	No	
MTBE1:	Unknown	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	3	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	
Error Code:	N	
Valid:	False	
Lat/Long:	Not reported	
Lat/Long Decimal:	35.91410 -79.07470	
Testlat:	Not reported	
Regional Officer Project Mgr:		DMD
Region:		RAL
Company:		Not reported
Contact Person:		Claudio Rodriguez
Telephone:		9199137349
RP Address:		202 SHELTON AVE
RP City,St,Zip:		CARRBORO, NC 27510
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	92168
Date Occurred:	4/26/2010
Date Reported:	4/26/2010
Description Of Incident:	Tenant’s Volkswagen leaked gasoline which resulted in impact to soil beneath and downgradient of gravel driveway.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	5
Type:	3

RODRIGUEZ GASOLINE RELEASE (Continued) **S126204698**

Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	Not reported
Samples Taken By:	N
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	4
Cause:	Not reported
Source:	Not reported
Source Type:	E
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

E14
South
1/4-1/2
0.382 mi.
2015 ft.

SOUTHERN STATES CARRBORO **LUST U003145472**
300 N. GREENSBORO ST. **UST N/A**
CARRBORO, NC 27510

Site 1 of 4 in cluster E

Relative:
Higher

Actual:
460 ft.

LUST:

Name:	SOUTHERN STATES PROPERTY
Address:	300 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510-1724
Facility ID:	Not reported
UST Number:	RA-4890
Incident Number:	26457
Source Type:	3
Date Reported:	12/17/2003
Closure Request:	Not reported
Close Out:	01/05/2004
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	233
Reel Num:	116
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Company:	NCDOT
Telephone:	9192504088
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4890
Facility Id:	26457
Date Occurred:	2003-11-12 00:00:00
Date Reported:	2003-12-17 00:00:00
Owner/Operator:	Not reported
Ownership:	7
Operation Type:	1
Type:	4
Location:	8
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	2
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26457
Last Modified:	1/5/2004
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Close-out Report: Not reported

UST:

Name:	SOUTHERN STATES CARRBORO
Address:	300 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 27510
Facility Id:	00-0-0000020470
Contact:	SOUTHERN STATES CARRBORO
Contact Address1:	300 N. GREENSBORO ST.
Contact Address2:	Not reported
Contact City/State/Zip:	CARRBORO, NC 27510
FIPS County Desc:	Orange
Latitude:	35.91288
Longitude:	-79.0715

Click here to access the North Carolina DEQ records for this facility:

Tank Id:	1
Tank Status:	Removed
Installed Date:	03/10/1973
Perm Close Date:	06/01/1987
Product Name:	Gasoline, Gas Mix
Tank Capacity:	2500
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported
Decode for PCONS_KEY:	Single Wall Steel
Decode for PSYS_KEY:	Unknown

Tank Id:	1A
Tank Status:	Removed
Installed Date:	09/27/1967
Perm Close Date:	06/01/1985
Product Name:	Gasoline, Gas Mix
Tank Capacity:	3000
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported

SOUTHERN STATES CARRBORO (Continued) **U003145472**

Decode for PCONS_KEY: Single Wall Steel
Decode for PSYS_KEY: Unknown

E15
South
1/4-1/2
0.382 mi.
2015 ft.

SOUTHERN STATES PROPERTY **IMD** **S106196005**
300 N. GREENSBORO STREET **N/A**
CARRBORO, NC

Site 2 of 4 in cluster E

Relative:
Higher

Actual:
460 ft.

IMD:

Facility ID:	26457
Name:	SOUTHERN STATES PROPERTY
Address:	300 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	11/12/2003
Submit Date:	12/17/2003
Incident Desc:	One (1) 550-gallon heating oil UST
Operator:	EUGENE TARASCIO
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	7
Responsible Party Contact Name:	Not reported
Operation:	1
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	State
Operation Type:	Public Service
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	8
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Other
Current Risk Condition:	Not reported
Sampled By:	2
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91277777
Longitude:	-79.07194444
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported

SOUTHERN STATES PROPERTY (Continued) **S106196005**

RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9192504088
Owner Company:	NCDOT
Operator Address:	1589 MAIL SERVICE CENTER
Operator City,State,Zip:	RALEIGH, NC 27699-1589
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	JFM
Wells Contam:	Not reported
Latitude Number:	355446
Longitude Number:	790419
Latitude Decimal:	35.9127777777778
Longitude Decimal:	79.0719444444444
GPS:	7
Agency:	DWM

Status:

Facility ID:	26457
Last Modified:	2004-01-05 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

F16 **PERRY PROPERTY, HOYT** **LUST** **S104157349**
West **103 PINE STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.388 mi.
2048 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
465 ft.

LUST:

Name:	PERRY PROPERTY, HOYT
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-3075
Incident Number:	20571
Source Type:	3
Date Reported:	07/29/1999
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	919-384-2156
5 Min Quad:	Not reported

LUST:

ERR Type:	P
UST Number:	RA-3075
Facility Id:	20571
Date Occurred:	1999-07-23 00:00:00
Date Reported:	1999-10-06 00:00:00
Owner/Operator:	HOYT PERRY
Ownership:	4
Operation Type:	3

PERRY PROPERTY, HOYT (Continued) **S104157349**

Type:	4
Location:	7
Priority Update:	1999-10-06 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	20571
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HOYT PERRY PROPERTY
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	20571
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	20571
Name:	PERRY PROPERTY, HOYT
Address:	103 PINE STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	7/7/1999
Submit Date:	10/6/1999
Incident Desc:	TANK REMOVED; TPH UP TO 1820 PPM.
Operator:	HOYT PERRY
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported

PERRY PROPERTY, HOYT (Continued) **S104157349**

Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	10/6/1999
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	3
Samples Include:	1
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected

PERRY PROPERTY, HOYT (Continued) **S104157349**

Soil Contam:	No
Contact Phone:	919-384-2156
Owner Company:	Not reported
Operator Address:	2600 CROASDALE FARM PKWY, A129
Operator City,State,Zip:	DURHAM, NC 27705-
Operator County:	Not reported
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	1
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	20571
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

---

17 **SELF HELP PROPERTY** **LUST** **S117055253**
SE **605 CRAIG STREET** **LUST TRUST** **N/A**
1/4-1/2 **CHAPEL HILL, NC 27516** **INST CONTROL**
0.388 mi.
2051 ft.

Relative:
Higher

Actual:
448 ft.

LUST:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC 27516
Facility ID:	Not reported
UST Number:	RA-7465
Incident Number:	39584
Source Type:	3
Date Reported:	06/25/2014
Closure Request:	Not reported
Close Out:	04/27/2016
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L

SELF HELP PROPERTY (Continued) **S117055253**

Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	04/04/2016
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	self help community developmen
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7465
Facility Id:	39584
Date Occurred:	2014-04-24 00:00:00
Date Reported:	2014-06-25 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	39584
Last Modified:	4/27/2016

SELF HELP PROPERTY (Continued) **S117055253**

Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC
Facility ID:	Not reported
Site ID:	39584
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 3/16/15]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

INST CONTROL:

Name:	SELF HELP PROPERTY
Address:	605 CRAIG STREET
City,State,Zip:	CHAPEL HILL, NC
Project Number:	RA-7465
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2016-04-03 00:00:00
Restricted Media:	Soil Only
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 4-3-2016
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1980381.2824355513
Y Coord:	787710.4871067256

F18 **GREENSTREET PROPERTY** **LUST** **S113813277**
West **100 E. PINE STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.392 mi.
2070 ft. **Site 2 of 3 in cluster F**

Relative:
Higher

Actual:
468 ft.

LUST:

Name:	GREENSTREET PROPERTY
Address:	100 E. PINE STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-7242
Incident Number:	39371
Source Type:	3
Date Reported:	05/28/2013
Closure Request:	Not reported
Close Out:	06/21/2013
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	31
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	SMJ
Company:	Greenstreet Building Co.
Telephone:	9196054810
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7242
Facility Id:	39371
Date Occurred:	2013-05-28 00:00:00
Date Reported:	2013-05-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

GREENSTREET PROPERTY (Continued) **S113813277**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	7
Source:	G
UST Number:	P

LUST:

Incident Number:	39371
Last Modified:	6/21/2013
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	GREENSTREET PROPERTY
Address:	100 E. PINE STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39371
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 4/1/14]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

E19 **FITCH LUMBER COMPANY, INC** **LUST U001439887**
South **309 N GREENSBORO STREET** **UST N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.395 mi.
2084 ft. **Site 3 of 4 in cluster E**

Relative:
Higher

Actual:
462 ft.

LUST:

Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	00-0-000-033000
UST Number:	RA-1633
Incident Number:	10287

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Source Type:	3
Date Reported:	10/09/1992
Closure Request:	Not reported
Close Out:	02/23/1993
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	C
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	A
RBCA GW:	G1
PETOPT:	3
RPL:	False
CD Num:	127
Reel Num:	23
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	FITCH LUMBER CO.
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-1633
Facility Id:	10287
Date Occurred:	1992-09-14 00:00:00
Date Reported:	1993-06-07 00:00:00
Owner/Operator:	BOBBIE VAUGHAN
Ownership:	4
Operation Type:	6
Type:	5
Location:	1
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	10287
Last Modified:	6/24/1993
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	5/24/1993

UST:

Name:	FITCH LUMBER COMPANY, INC
Address:	309 N GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510
Facility Id:	00-0-0000033000
Contact:	FITCH LUMBER COMPANY, INC
Contact Address1:	309 N GREENSBORO STREET
Contact Address2:	Not reported
Contact City/State/Zip:	CARRBORO, NC 27510
FIPS County Desc:	Orange
Latitude:	35.91224
Longitude:	-79.0726

Click here to access the North Carolina DEQ records for this facility:

Tank Id:	1
Tank Status:	Removed
Installed Date:	01/01/1968
Perm Close Date:	09/14/1992
Product Name:	Gasoline, Gas Mix
Tank Capacity:	2000
Root Tank Id:	Not reported
Main Tank:	No
Compartment Tank:	No
Manifold Tank:	Not reported
Commercial:	Yes
Regulated:	Yes
Other CP Tank:	Not reported
Overfill Protection Name:	Unknown
Spill Protection Name:	Unknown
Leak Detection Name:	Not reported
Decode for TCONS_KEY:	Not reported
Decode for PCONS_KEY:	Single Wall Steel
Decode for PSYS_KEY:	Unknown

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

IMD:

Facility ID:	10287
Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC
Date Occurred:	9/14/1992
Submit Date:	6/7/1993
Incident Desc:	UPON REMOVAL OF UST, MINOR SOIL CONTAM. WAS CONFIRMED.
Operator:	BOBBIE VAUGHAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	6
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Commercial
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	1
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Facility
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported

FITCH LUMBER COMPANY, INC (Continued) **U001439887**

Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	FITCH LUMBER CO.
Operator Address:	309 N. GREENSBORO ST.
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	2
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	10287
Last Modified:	1993-06-24 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1993-05-24 00:00:00

E20
South
1/4-1/2
0.395 mi.
2084 ft.

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

Site 4 of 4 in cluster E

UST FINDER **1028519948**
UST FINDER RELEASE **N/A**

Relative:
Higher

Actual:
462 ft.

UST FINDER:

Object ID:	604317
Facility ID:	NC00-0-0000033000
Name:	FITCH LUMBER COMPANY, INC
Address:	309 N GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27510
Address Match Type:	PointAddress
Open USTs:	0
Closed USTs:	1
TOS USTs:	0
Population 1500ft:	835
Private Wells 1500ft:	3
Within 100yr Floodplain:	No
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Facility Status:	Closed UST(s)
Date of Last Inspection:	Not reported
EPA Region:	4
Tribe:	Not reported
Coordinate Source:	Geocode
X Coord:	-79.0722959999999
Y Coord:	35.912223
Latitude:	35.912223
Longitude:	-79.072296

UST FINDER:

Object ID:	1353815
Facility ID:	NC00-0-0000033000
Tank ID:	NC00-0-0000033000_1
Tank Status:	Closed
Installation Date:	1968/01/01 16:00:01+00
Removal Date:	1992/09/14 15:59:59+00
Tank Capacity:	2000
Substances:	Gasoline, Gas Mix
Tank Wall Type:	Single

UST FINDER RELEASE:

Object ID:	282856
Facility ID:	Not reported
Lust ID:	NC18855
Name:	FITCH LUMBER COMPANY
Address:	309 N. GREENSBORO ST.
City,State,Zip:	CARRBORO, NC 0

FITCH LUMBER COMPANY, INC (Continued) **1028519948**

Address Match Type:	Not reported
Reported Date:	1992/10/09 15:59:59+00
Status:	No Further Action
Substance:	Not reported
Population within 1500ft:	866
Domestic Wells within 1500ft:	4
Land Use:	Developed, High Intensity
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	4
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	State
X Coord:	-79.07237
Y Coord:	35.9127800000001
Latitude:	35.9127799999999
Longitude:	-79.07237

F21 **OAKLEY, LOUISE - PROPERTY** **LUST** **S105702836**
West **105 PINE STREET** **IMD** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **ASBESTOS**
0.404 mi.
2132 ft. **Site 3 of 3 in cluster F**

Relative:
Higher

Actual:
467 ft.

LUST:

Name:	OAKLEY, LOUISE - PROPERTY
Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-4209
Incident Number:	26074
Source Type:	3
Date Reported:	11/04/2002
Closure Request:	Not reported
Close Out:	05/08/2003
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Land Use:	Not reported
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	233
Reel Num:	116
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Company:	LOUISE OAKLEY
Telephone:	9193832376
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4209
Facility Id:	26074
Date Occurred:	2002-09-18 00:00:00
Date Reported:	2002-11-04 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26074
Last Modified:	5/8/2003
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

Facility ID:	26074
Name:	OAKLEY, LOUISE - PROPERTY
Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	9/18/2002
Submit Date:	11/4/2002
Incident Desc:	Not reported
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91777777
Longitude:	-79.06777777
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9193832376
Owner Company:	LOUISE OAKLEY
Operator Address:	206 CEDAR RIDGE WAY
Operator City,State,Zip:	DURHAM, NC
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	U
Dem Contact:	JFM
Wells Contam:	Not reported
Latitude Number:	355504
Longitude Number:	790404
Latitude Decimal:	35.9177777777778
Longitude Decimal:	79.0677777777778
GPS:	7
Agency:	DWM

Status:

Facility ID:	26074
Last Modified:	2003-05-08 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

ASBESTOS:

Name:	PRIVATE RESIDENCE - 105 PINE STREET

OAKLEY, LOUISE - PROPERTY (Continued) **S105702836**

Address:	105 PINE STREET
City,State,Zip:	CARRBORO, NC
Permit Number:	NC33173
NESHAP Number:	65455
Contractor:	A B Control, Inc.
Owner Name:	Rob Dow
Phone:	(919) 360-8136
Removal Start Date:	10-05-21
Removal End Date:	10-06-21
Demo Start Date:	Not reported
Demo End Date:	Not reported
Linear Feet:	0
Square Feet:	850
Cubic Feet:	0
Type:	R

---

22 **ONTJES PROPERTIES LLC (10/98)** **LUST** **S104157236**
SSE **205 LLOYD STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.423 mi.
2235 ft.

Relative:
Higher

Actual:
464 ft.

LUST:

Name:	ONTJES PROPERTIES LLC (10/98)
Address:	205 LLOYD STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-3007
Incident Number:	20431
Source Type:	3
Date Reported:	12/29/1998
Closure Request:	1999-08-24 00:00:00
Close Out:	09/01/1999
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	C
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	51
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	128
Reel Num:	25
RPOW:	False
RPOP:	False

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	RKD
Company:	ONTJES PROPERTIES LLC
Telephone:	919-966-3336
5 Min Quad:	Not reported

LUST:

ERR Type:	P
UST Number:	RA-3007
Facility Id:	20431
Date Occurred:	1998-08-11 00:00:00
Date Reported:	1999-09-21 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Priority Update:	1999-09-21 00:00:00
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	2
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	20431
Last Modified:	9/1/1999
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	ONTJES PROPERTIES
Address:	205 LLOYD STREET
City,State,Zip:	CARBORO, NC
Facility ID:	Not reported
Site ID:	20431
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Commercial

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Priority Rank: Not reported
Deductable Amount: 20000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

IMD:

Facility ID:	20431
Name:	ONTJES PROPERTIES LLC (10/98)
Address:	205 LLOYD STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	10/17/1998
Submit Date:	9/21/1999
Incident Desc:	UST FOUND DURING CONSTRUCTION ACTIVITIES. CONTAMIANTED SOIL REMOVED.
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	6
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Commercial
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	1
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	L
Whether Tank is Regulated:	Not reported
Priority Update:	9/21/1999
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Facility
Current Risk Condition:	Not reported
Sampled By:	3
Samples Include:	2
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91138888
Longitude:	-79.06888888
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported

ONTJES PROPERTIES LLC (10/98) (Continued) **S104157236**

Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	919-966-3336
Owner Company:	ONTJES PROPERTIES LLC
Operator Address:	3 IRIS LANE
Operator City,State,Zip:	CHAPEL HILL, NC 27514-
Operator County:	Not reported
Material:	#2 FUEL OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	GASOLINE
Qty Lost:	Not reported
Qty Recovered:	Not reported
Setting:	1
Risk Site:	L
Priority Code:	L
Dem Contact:	RKD
Wells Contam:	Not reported
Latitude Number:	355441
Longitude Number:	790408
Latitude Decimal:	35.9113888888889
Longitude Decimal:	79.0688888888889
GPS:	NOD
Agency:	DWM

Status:

Facility ID:	20431
Last Modified:	1999-09-01 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

G23 **NORRIS PROPERTY (GEORGIA)** **LUST** **S107671991**
SW **114 ELM STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.461 mi.
2433 ft. **Site 1 of 2 in cluster G**

Relative:
Higher

Actual:
467 ft.

LUST:

Name:	NORRIS PROPERTY (GEORGIA)
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-5488
Incident Number:	33029
Source Type:	3
Date Reported:	03/15/2006
Closure Request:	Not reported
Close Out:	08/29/2006
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	345
Reel Num:	305
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-4960
Facility Id:	33029
Date Occurred:	2006-03-08 00:00:00
Date Reported:	2006-03-17 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
UST Number:	P

LUST:

Incident Number:	33029
Last Modified:	8/29/2006
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	NORRIS PROPERTY (GEORGIA)
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33029
Site Note:	Noncommercial. 90% eligible. 5k deductible
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	33029
Name:	NORRIS PROPERTY
Address:	114 ELM STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	3/8/2006
Submit Date:	3/17/2006
Incident Desc:	Leak discovered following removal of heating oil UST.
Operator:	GEORGIA NORRIS
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	Y
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.91194444
Longitude:	-79.07611111
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected

NORRIS PROPERTY (GEORGIA) (Continued) **S107671991**

Soil Contam:	Yes
Contact Phone:	Not reported
Owner Company:	Not reported
Operator Address:	114 ELM STREET
Operator City,State,Zip:	CARRBORO, NC 27510-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	Not reported
Dem Contact:	CED
Wells Contam:	Not reported
Latitude Number:	355443
Longitude Number:	790434
Latitude Decimal:	35.9119444444444
Longitude Decimal:	79.0761111111111
GPS:	4
Agency:	DWM

Status:

Facility ID:	33029
Last Modified:	2006-08-29 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

H24 **SECU*RE OAK PROPERTY** **LUST** **S121291139**
West **109 OAK STREET** **INST CONTROL** **N/A**
1/4-1/2 **CARRBORO, NC 27845**
0.462 mi.
2438 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
489 ft.

LUST:

Name:	SECU*RE OAK PROPERTY
Address:	109 OAK STREET
City,State,Zip:	CARRBORO, NC 27845
Facility ID:	Not reported
UST Number:	RA-8126
Incident Number:	46205
Source Type:	3
Date Reported:	10/11/2017
Closure Request:	Not reported
Close Out:	02/02/2018
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L

SECU*RE OAK PROPERTY (Continued) **S121291139**

Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	01/11/2018
GPS Confirmed:	69
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	secu*re
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8126
Facility Id:	46205
Date Occurred:	2017-10-03 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	46205
Last Modified:	2/2/2018

SECU*RE OAK PROPERTY (Continued) **S121291139**

Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	SECU*RE OAK PROPERTY
Address:	109 OAK STREET
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8126
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2018-01-10 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 1-10-2018
Plat:	Not reported
Plat Date:	Not reported
X Coord:	1976414.3861698806
Y Coord:	789362.7367549837

I25 **CARR MILL MALL** **SHWS** **S109316491**
South **200 N GREENSBORO ST** **N/A**
1/4-1/2 **CARRBORO, NC**
0.467 mi.
2464 ft. **Site 1 of 2 in cluster I**

Relative:
Higher

Actual:
465 ft.

SHWS:

Name:	CARR MILL MALL
Address:	200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
EPAID:	NONCD0001186
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

CARR MILL MALL (Continued) **S109316491**

Click here to access the North Carolina DEQ records for this facility:

Name:	CARR MILL MALL
Address:	200 N GREENSBORO ST
City,State,Zip:	CARRBORO, NC
EPAID:	NONCD0001186
Lat/Longitude:	35.912255 / -79.071043
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

Click here to access the North Carolina DEQ records for this facility:

I26 **CARR MILL MALL** **IMD** **S105807423**
South **200 NORTH GREENSBORO STREET** **N/A**
1/4-1/2 **CARRBORO, NC**
0.467 mi.
2464 ft. **Site 2 of 2 in cluster I**

Relative: IMD:
Higher

Actual: Facility ID:	86525
465 ft. Name:	CARR MILL MALL
Address:	200 NORTH GREENSBORO STREET
City,State,Zip:	CARRBORO, NC
Date Occurred:	2/25/2003
Submit Date:	9/30/2005
Incident Desc:	TEXTILE MANUFACTURING FACILITY LOCATED AT SITE BEFORE MALL WAS BUILT. CAP- Report of Soil Remediation Activities received 9-21-05
Operator:	MILLIAN, NATHAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	8
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Not reported
Responsible Party County:	Not reported
Source:	Unknown
Type:	OTHER INORGANICS
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	70
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported

CARR MILL MALL (Continued) **S105807423**

Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.914444
Longitude:	-79.071666
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	Not reported
Owner Company:	CARR MILL MALL LIMITED PARTNERSHIP
Operator Address:	200 N. GREENSBORO ST.
Operator City,State,Zip:	CARRBORO, NC
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	D
Dem Contact:	ERIC RICE
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	EST
Agency:	DWQ

27
West
1/4-1/2
0.469 mi.
2475 ft.

BAKER PROPERTY, SUSAN
110 PINE STREET
CARRBORO, NC 27510

LUST
INST CONTROL

S121425741
N/A

Relative:
Higher

Actual:
465 ft.

LUST:

Name:	BAKER PROPERTY, SUSAN
Address:	110 PINE STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8140
Incident Number:	46218
Source Type:	3
Date Reported:	11/16/2017
Closure Request:	Not reported
Close Out:	12/22/2017
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	12/04/2017
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8140
Facility Id:	46218
Date Occurred:	2017-11-01 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

BAKER PROPERTY, SUSAN (Continued) **S121425741**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	46218
Last Modified:	12/22/2017
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	BAKER PROPERTY, SUSAN
Address:	110 PINE STREET
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8140
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2017-12-03 00:00:00
Restricted Media:	Multi-Media
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 12-3-2017
Plat:	Not reported
Plat Date:	Not reported

BAKER PROPERTY, SUSAN (Continued) **S121425741**

X Coord: 1976309.275487721
Y Coord: 789000.2656951398

G28 **HOGAN RESIDENCE** **LUST** **S102443451**
SW **202 EAST POPLAR AVENUE** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510** **IMD**
0.476 mi.
2515 ft. **Site 2 of 2 in cluster G**

Relative:
Higher

Actual:
466 ft.

LUST:

Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC 27510-
Facility ID:	Not reported
UST Number:	RA-2648
Incident Number:	16584
Source Type:	3
Date Reported:	04/08/1996
Closure Request:	Not reported
Close Out:	06/28/2005
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	30B
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	14
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	306
Reel Num:	198
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF
Company:	MS. HOGAN
Telephone:	919-968-4258
5 Min Quad:	Not reported

LUST:

ERR Type:	R
UST Number:	RA-2648
Facility Id:	16584

HOGAN RESIDENCE (Continued) **S102443451**

Date Occurred:	1996-04-01 00:00:00
Date Reported:	1996-11-18 00:00:00
Owner/Operator:	ELLEN G. HOGAN
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

LUST:

Incident Number:	16584
Last Modified:	6/28/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	16584
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	High
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

IMD:

Facility ID:	16584
Name:	HOGAN RESIDENCE
Address:	202 EAST POPLAR AVENUE
City,State,Zip:	CARRBORO, NC
Date Occurred:	4/1/1996
Submit Date:	11/18/1996

HOGAN RESIDENCE (Continued) **S102443451**

Incident Desc:	UST REMOVEDAND AND CONTAIMINATION OF SOIL WAS FOUND.
Operator:	ELLEN G. HOGAN
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	30B
Whether Tank is Regulated:	Not reported
Priority Update:	4/16/1998
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Not reported
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	35.9131
Longitude:	-79.0782
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported

HOGAN RESIDENCE (Continued) **S102443451**

RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	919-968-4258
Owner Company:	MS. HOGAN
Operator Address:	305 WAYNE DRIVE
Operator City,State,Zip:	WILMINGTON, NC 28403-
Operator County:	Not reported
Material:	HOME HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	1
Risk Site:	H
Priority Code:	H
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	355446
Longitude Number:	790435
Latitude Decimal:	35.9127777777778
Longitude Decimal:	79.0763888888889
GPS:	3
Agency:	DWM

Status:

Facility ID:	16584
Last Modified:	2005-06-28 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

H29 **PROVIDENCE PROPERTY** **LUST** **S118128425**
West **115 OAK STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27105**
0.497 mi.
2626 ft. **Site 2 of 2 in cluster H**

Relative:
Higher

Actual:
487 ft.

LUST:

Name:	PROVIDENCE PROPERTY
Address:	115 OAK STREET
City,State,Zip:	CARRBORO, NC 27105
Facility ID:	Not reported
UST Number:	RA-7692
Incident Number:	39799
Source Type:	3
Date Reported:	08/04/2015
Closure Request:	Not reported

PROVIDENCE PROPERTY (Continued) **S118128425**

Close Out:	08/19/2015
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	True
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	providence property management
Telephone:	8109236756
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7692
Facility Id:	39799
Date Occurred:	2015-07-09 00:00:00
Date Reported:	2015-08-04 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

PROVIDENCE PROPERTY (Continued) **S118128425**

LUST:

Incident Number:	39799
Last Modified:	8/19/2015
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	PROVIDENCE PROPERTY
Address:	115 OAK STREET
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	39799
Site Note:	SCAN-------Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 11/9/15]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	2000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

---

30 SSE 1/2-1 0.675 mi. 3565 ft. **NORTH MERRITT MILL RD PCE CONTAMINATION** **SHWS** **S125965100**
N MERRITT MILL RD AND W FRANKL **N/A**
CHAPEL HILL, NC

Relative: Higher
Actual: 479 ft.

SHWS:

Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Address:	N MERRITT MILL RD AND W FRANKL
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NONCD0003091
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

Name:	NORTH MERRITT MILL RD PCE CONTAMINATION
Address:	N MERRITT MILL RD AND W FRANKL
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NONCD0003091
Lat/Longitude:	35.910012 / -79.064804
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

Click here to access the North Carolina DEQ records for this facility:

31 SW 1/2-1 0.856 mi. 4522 ft. | **OWASA - NELLO TEER QUARRY**
HIGHWAY 54
CARBORRO, NC 27516 | **SHWS LAST IMD** | **S104913633 N/A**

Relative: Higher

Actual: 461 ft.

SHWS:

Name:	OWASA - NELLO TEER QUARRY
Address:	HIGHWAY 54
City,State,Zip:	CARBORRO, NC
EPAID:	NONCD0002247
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

LAST:

Name:	OWASA - NELLO TEER QUARRY	
Address:	HIGHWAY 54	
City,State,Zip:	CARBORRO, NC 27516	
Facility ID:	Not reported	
UST Number:	RA-21750	
Incident Number:	21750	
Contamination Type:		GW
Source Type:	19	
Product Type:	N	
Date Reported:	05/24/2000	
Date Occur:	05/24/2000	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	Not reported	
Level Of Soil Cleanup Achieved:		Not reported
Tank Regulated Status:		Not reported
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		Not reported
Risk Classification:		Not reported
Risk Class Based On Review:		U
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	40	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Not reported	
MTBE:	No	
MTBE1:	Unknown	
Flag:	Yes	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	C	
RBCA GW:	Not reported	
PETOPT:	Not reported	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

Error Code:	Not reported
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	35.93027 -79.14777
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	ORANGE WATER AND SEWER AUTHORI
Contact Person:	ED HOLLAND
Telephone:	Not reported
RP Address:	400 JONES FERRY ROAD
RP City,St,Zip:	CARBORO, NC
RP County:	Not reported
Comments:	2L VIOLATION FROM 1,1-DCE DISCOVERED DURING PHASE II ESA. SITE WAS FORMER NELLO TEER ASPHALT PLANT. LOW LEVELS OF CHLORINATED SOLVENTS IN FRACTURED BEDROCK. LARGE VOLUME OF PET HYDROCARBON SOIL CONTAMINATION. SITE IS TO BECOME ROCK QUARRY AND WATER RE
5 Min Quad:	Not reported

PIRF:

Facility Id:	21750
Date Occurred:	Not reported
Date Reported:	Not reported
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	5
Operation Type:	3
Type:	Not reported
Location:	Not reported
Site Priority:	40A
Priority Update:	Not reported
Wells Affected Y/N:	N
Wells Affected Number:	0
Samples Taken By:	Not reported
Samples Include:	Not reported
7#5 Min Quad:	Not reported
5 Min Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Cause:	Not reported
Source:	Not reported
Source Type:	1
Last Modified:	12/12/2001
Incident Phase:	**RE**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

IMD:

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

Facility ID:	21750
Name:	OWASA - NELLO TEER QUARRY
Address:	HIGHWAY 54
City,State,Zip:	CARBORRO, NC
Date Occurred:	5/24/2000
Submit Date:	6/2/2000
Incident Desc:	2L VIOLATION FROM 1,1-DCE DISCOVERED DURING PHASE II ESA. SITE WAS FORMER NELLO TEER ASPHALT PLANT. LOW LEVELS OF CHLORINATED SOLVENTS IN FRACTURED BEDROCK. LAR
Operator:	HOLLAND, ED
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	5
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Federal
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Dredge Spoil
Type:	OTHER PETROLEUM PROD.
Location:	Not reported
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	No
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	0
Site Priority:	Not reported
Location:	Not reported
Current Risk Condition:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported
Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported

OWASA - NELLO TEER QUARRY (Continued) **S104913633**

MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	Not reported
Contact Phone:	919-968-4421
Owner Company:	ORANGE WATER AND SEWER AUTHORI
Operator Address:	400 JONES FERRY ROAD
Operator City,State,Zip:	CARBORO, NC 919-968-4421
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Priority Code:	A
Dem Contact:	REB
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	CALC
Agency:	DWQ

32
SSE
1/2-1
0.888 mi.
4690 ft.

UNC-COGENERATION FACILITY **SHWS S110689925**
575 W CAMERON AVE **VCP N/A**
CHAPEL HILL, NC

Relative:
Higher

Actual:
482 ft.

SHWS:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Click here to access the North Carolina DEQ records for this facility:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
Lat/Longitude:	35.90671 / -79.05925
Geolocation Method:	ON SCREEN PLACEMENT ON GEOREFERENCED MAP

UNC-COGENERATION FACILITY (Continued) **S110689925**

Click here to access the North Carolina DEQ records for this facility:

VCP:

Name:	UNC-COGENERATION FACILITY
Address:	575 W CAMERON AVE
City,State,Zip:	CHAPEL HILL, NC
EPAID:	NCR000010272
VOL Cleanup:	True
Latitude:	35.90671
Longitude:	-79.05925

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHAPEL HILL	S108965468	AMOCO #2281	EASTGATE SHOPPING CENTER		LUST TRUST
CHAPEL HILL	S105485881	CHAPEL HILL LANDFILL	1000 ESTES DRIVE EXTENSION		OLI
CHAPEL HILL	S125088060	ROCKY BROOK WASHERETTE	SOUTH GREENSBORO STREET (C)		DRYCLEANERS
CHAPEL HILL	S127148584	KAST PROPERTY, CHARLES	406 MITCHELL LANE	27516	LUST
CHAPEL HILL	S129182068	ORANGE COUNTY WALNUT GROVE HHW	3605 WALNUT GROVE CHURCH RD		SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DEBRIS: Solid Waste Active Disaster Debris Sites Listing

NCDEQ Division of Waste Management Solid Waste Section Temporary Disaster Debris Staging Site (TDDSS) Locations which are available to be activated in a disaster or emergency.. Disaster Debris Sites can only be used for temporary disaster debris storage if the site's responsible party activates the site for use by notifying the NCDEQ DWM Solid Waste Section staff during an emergency

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 919-707-8247
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

LCID: Land-Clearing and Inert Debris (LCID) Landfill Notifications
A list all of the Land-Clearing and Inert Debris (LCID) Landfill Notification facilities (under 2 acres in size) in North Carolina.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-707-8200
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 83

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86
Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 83
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 01/31/2022
Date Data Arrived at EDR: 02/02/2022
Date Made Active in Reports: 04/29/2022
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 10/28/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/08/2024
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-807-6308
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment and Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/19/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/01/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Contamination Site Listing
List of PFAS facilities

Date of Government Version: 05/18/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/08/2022
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-8233
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

AIRS: Air Quality Permit Listing
A listing of facilities with air quality permits.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/04/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 919-707-8726
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

ASBESTOS: Asbestos Permits & Notifications Information
Asbestos notification sites

Date of Government Version: 01/31/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 03/11/2024
Number of Days to Update: 34

Source: Department of Health & Human Services
Telephone: 919-707-5973
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CCB: Coal Ash Structural Fills (CCB) Listing
These are not permitted Coal Ash landfills A list all of the now closed Coal Ash Structural Fills (CCB) in North Carolina, in point data form. The purpose is to provide the public and other government entities a visual overview of coal ash structural fills throughout the state and increase public awareness of their current locations.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 07/02/2021
Date Made Active in Reports: 09/27/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 03/05/2024
Number of Days to Update: 89

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23
Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 4
Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 03/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 10/02/2023
Date Data Arrived at EDR: 10/25/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 01/24/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PCSRP: Petroleum-Contaminated Soil Remediation Permits
To treat petroleum-contaminated soil in order to protect North Carolinaa??s environment and the health of the citizens of North Carolina.

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 74
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

SEPT HAULERS: Permitted Septage Haulers Listing
This list of all active and permitted Septage Land Application Site (SLAS) and Septage Detention and Treatment Facility (SDTF) sites in North Carolina. The purpose of this map is to provide the public and government entities a visual overview of the businesses that manage septage and septage facilities throughout the state.

Date of Government Version: 12/09/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/21/2024
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing
This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 08/29/2023
Date Data Arrived at EDR: 08/31/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database
US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database
EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TOWN OF CARRBORO CREST STREET
NOT REPORTED
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.918907 - 35° 55' 8.07''
Longitude (West):	79.071042 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

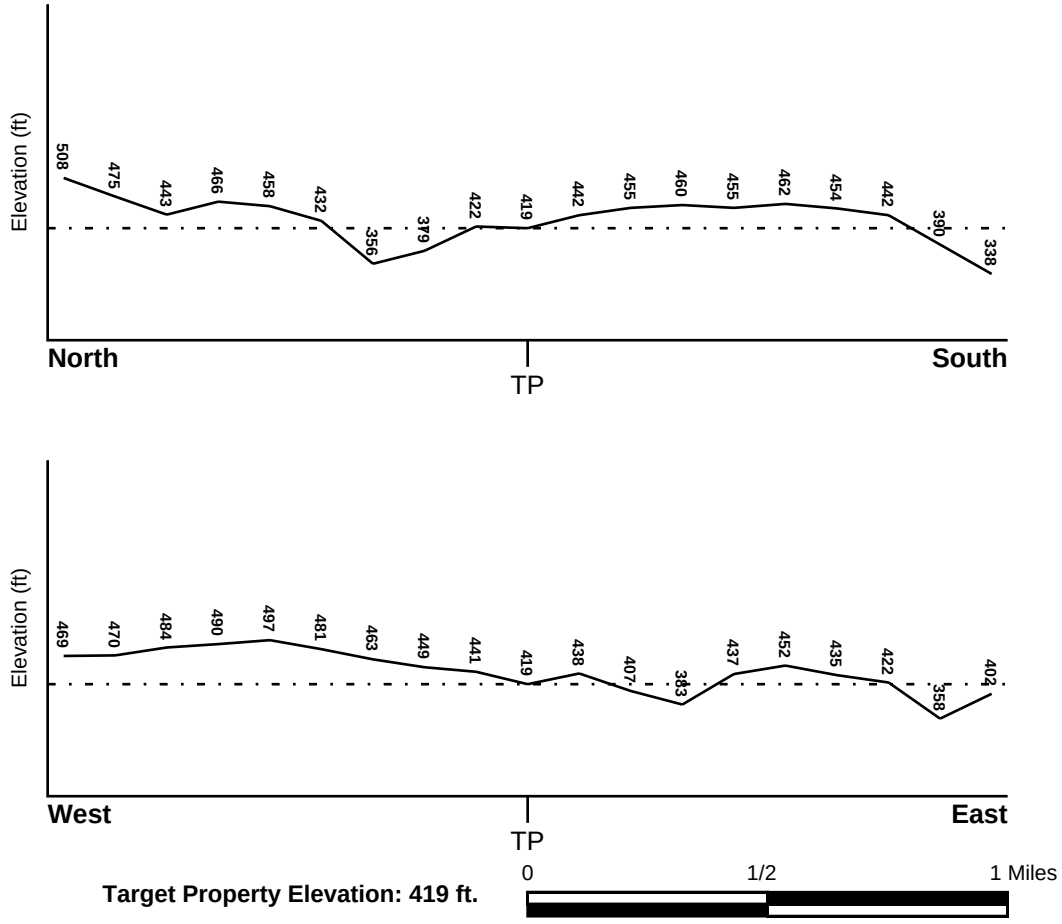
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977800J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710977900J	FEMA FIRM Flood data
3710978800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

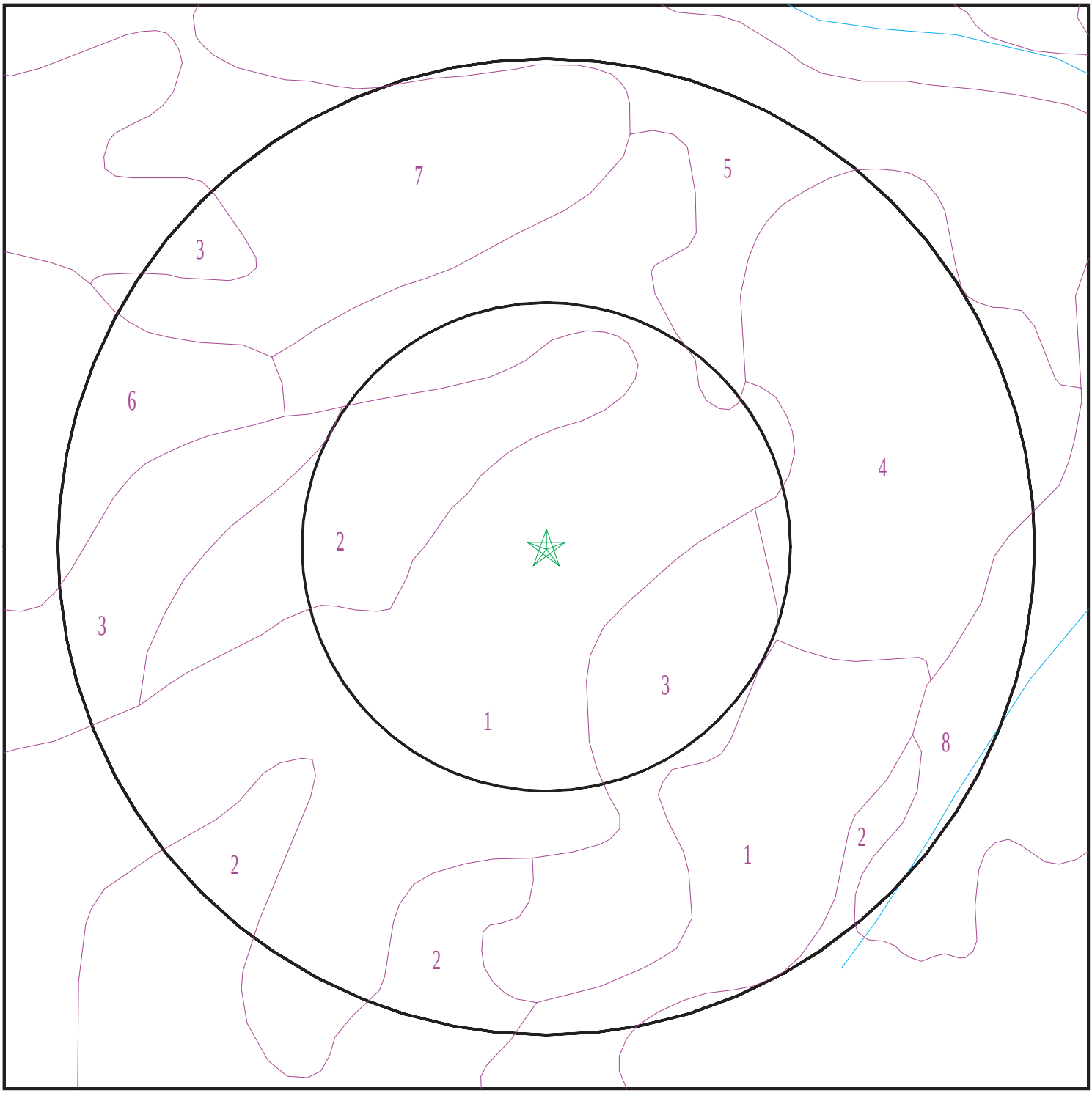
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7609267.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Iredell

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	5 inches	24 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	24 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
4	27 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: Iredell

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	7 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	78 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000891689	1/2 - 1 Mile SSE
4	USGS40000891849	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NC0368460	1/2 - 1 Mile SSW

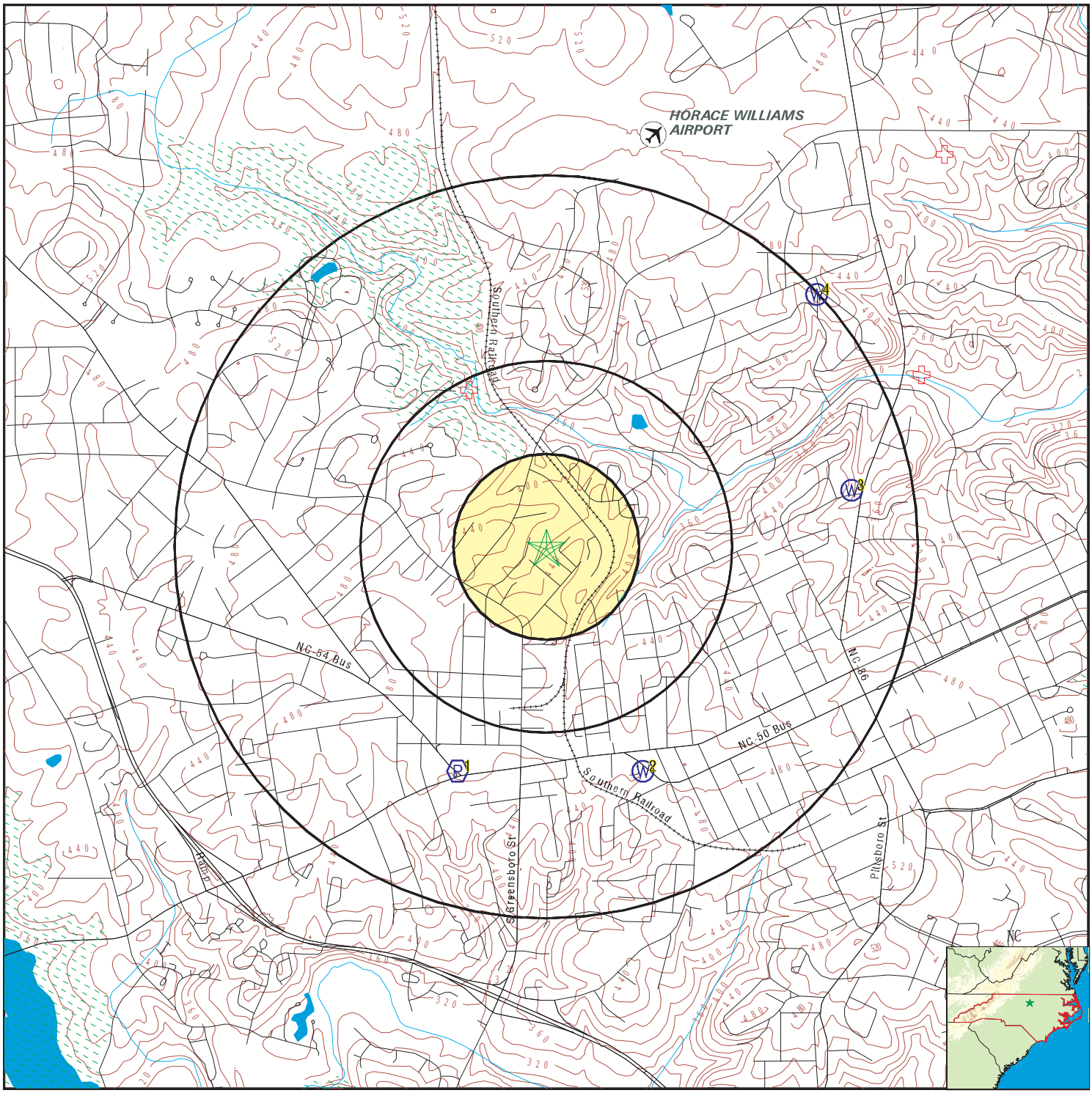
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	NC4000000018218	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7609267.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SSW
1/2 - 1 Mile
Higher

FRDS PWS **NC0368460**

Epa region:	04	State:	NC
Pwsid:	NC0368460	Pwsname:	POPPA JOE'S RESTAURANT
Cityserved:	Not Reported	Stateserved:	NC
Zipserved:	Not Reported	Fipscounty:	37135
Status:	Closed	Retpopsrvd:	25
Pwssvcconn:	1	Psource longname:	Groundwater
Pwstype:	TNCWS	Owner:	Private
Contact:	MS MARGIE DRIGGERS OR MGR	Contactorgname:	Not Reported
Contactphone:	Not Reported	Contactaddress1:	Not Reported
Contactaddress2:	Not Reported	Contactcity:	EFFLAND
Contactstate:	NC	Contactzip:	27510
Pwsactivitycode:	I		
PWS ID:	NC0368460	PWS type:	System Owner/Responsible Party
PWS name:	MS MARGIE DRIGGERS OR MGR	PWS address:	Not Reported
PWS city:	EFLAND	PWS state:	NC
PWS zip:	27510	PWS ID:	NC0368460
PWS type:	System Owner/Responsible Party		
PWS name:	MARGIE DRIGGERS	PWS address:	Not Reported
PWS city:	MEBANE	PWS state:	NC
PWS zip:	27302	PWS ID:	NC0368460
Activity status:	Active	Date system activated:	8203
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	POPPA JOE'S RESTAURANT	System address:	Not Reported
System city:	EFFLAND	System state:	NC
System zip:	27510		
County FIPS:	068	City served:	EFFLAND
Population served:	Under 101 Persons	Treatment:	Untreated
Latitude:	355436	Longitude:	0790432
Latitude:	360510	Longitude:	0791030

2
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000891689**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-227	Type:	Well
Description:	Not Reported	HUC:	03030002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metaigneous Rock	Aquifer Type:	Not Reported
Construction Date:	19681024	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		
Ground water levels,Number of Measurements:	1	Level reading date:	1968-10-24

Feet below surface:	40.0	Feet to sea level:	Not Reported
Note:	Not Reported		

3
East
1/2 - 1 Mile
Lower

NC WELLS **NC4000000018218**

WELLS:

Water System ID:	NC0368476	Water System Name:	LOCKHART'S TRADING POST
WS Activity Status:	Inactive	WS Federal Type:	Non Community Transient
Primary Source:	Ground Water	Facility ID:	S01_1
Facility Status:	Active	Facility Name:	WELL #1
Facility Water Type:	Ground Water	Facility Availability:	Permanent
Well Depth:	Not Reported	Units:	Not Reported
Owner:	LOCKHART, CHARLES		

4
NE
1/2 - 1 Mile
Higher

FED USGS **USGS40000891849**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-245	Type:	Well
Description:	Not Reported	HUC:	03030002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metaigneous Rock	Aquifer Type:	Not Reported
Construction Date:	19770818	Well Depth:	220
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1977-08-18
Feet below surface:	30.0	Feet to sea level:	Not Reported
Note:	Not Reported		

Map ID
Direction
Distance

Database EDR ID Number

NC_NHEO NC50005306

Elclass:	P	Precision1:	M
Eostat:	H	Gisid:	52003
Edr id:	NC50005306		

NC_NHEO NC50007525

Elclass:	A	Precision1:	S
Eostat:	X	Gisid:	442955
Edr id:	NC50007525		

NC_NHEO NC50009897

Elclass:	P	Precision1:	M
Eostat:	H	Gisid:	61771
Edr id:	NC50009897		

NC_NHEO NC50015296

Elclass:	P	Precision1:	M
Eostat:	X	Gisid:	252809
Edr id:	NC50015296		

NC_NHEO NC50015984

Elclass:	P	Precision1:	G
Eostat:	H	Gisid:	101265
Edr id:	NC50015984		

NC_SNHA NC10000343

Acres:	16.84	Sitename:	BERRYHILL RHODODENDRON BLUFF
Quality type:	Not Reported	Sig:	C
Site id:	343	Edr id:	NC10000343

NC_SNHA NC10002135

Acres:	242.78	Sitename:	BOLIN CREEK
Quality type:	Not Reported	Sig:	D
Site id:	2135	Edr id:	NC10002135

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

NC_SNHA NC10002136

Acres:	61.53	Sitename:	BATTLE PARK
Quality type:	Not Reported	Sig:	D
Site id:	2136	Edr id:	NC10002136

NC_SNHA NC10002137

Acres:	541.36	Sitename:	UNIVERSITY LAKE SLOPES
Quality type:	Not Reported	Sig:	D
Site id:	2137	Edr id:	NC10002137

NC_SNHA NC10002518

Acres:	163.23	Sitename:	UNIVERSITY LAKE AQUATIC HABITAT
Quality type:	Not Reported	Sig:	B
Site id:	2518	Edr id:	NC10002518

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Town of Carrboro Crest Street
Not Reported
Carrboro, NC 27510

Inquiry Number: 7609267.2s
March 28, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9189070 - 35° 55' 8.06''
Longitude (West):	79.0710420 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	ROGERS-THIEM INC		NC HSDS	Same	5228, 0.990, South
1	ROBERTSON PROPERTY U	124 ESTES DRIVE EXT	LUST, LUST TRUST	Higher	364, 0.069, WNW
A2	GLENN OIL BULK FUEL	103 MULBERRY STREET	LAST, IMD	Higher	664, 0.126, South
A3	SHERRY PROPERTY (STE	100 MULBERRY ST	LUST, LUST TRUST	Higher	670, 0.127, South
B4	WHITE, MARTHA - RESI	508 OAK AVENUE	LUST, LUST TRUST, IMD	Higher	1026, 0.194, SW
B5	OAK AVE SPILL	511 OAK AVE	LAST	Higher	1035, 0.196, SW
C6	WILTBERGER PROPERTY,	503 OAK AVE.	LUST, IMD	Higher	1322, 0.250, SW
C7	LISA CROUCHER PROPER	406 OAK AVENUE	LUST	Higher	1418, 0.269, SSW
8	KURALT, BRENDA RESID	110 WATTERS ROAD	LUST, LUST TRUST, IMD	Higher	1487, 0.282, WNW
D9	PENDERGRASS, CATHERI	401 LINDSAY STREET	LUST, LUST TRUST	Higher	1574, 0.298, SW
D10	PENDERGRASS, CATHERI	401 LINDSAY STREET	IMD	Higher	1574, 0.298, SW
11	LIEFF PROPERTY, SUSA	1200 N GREENSBORO ST	LUST, INST CONTROL	Higher	1740, 0.330, West
12	BURNETT PROPERTY (MA	714 GOMAIN STREET	LUST, LUST TRUST, INST CONTROL	Higher	1766, 0.334, SE
13	RODRIGUEZ GASOLINE R	202 SHELTON ST	LAST	Higher	1831, 0.347, SSW
E14	SOUTHERN STATES CARR	300 N. GREENSBORO ST	LUST, UST	Higher	2015, 0.382, South
E15	SOUTHERN STATES PROP	300 N. GREENSBORO ST	IMD	Higher	2015, 0.382, South
F16	PERRY PROPERTY, HOYT	103 PINE STREET	LUST, LUST TRUST, IMD	Higher	2048, 0.388, West
17	SELF HELP PROPERTY	605 CRAIG STREET	LUST, LUST TRUST, INST CONTROL	Higher	2051, 0.388, SE
F18	GREENSTREET PROPERTY	100 E. PINE STREET	LUST, LUST TRUST	Higher	2070, 0.392, West
E19	FITCH LUMBER COMPANY	309 N GREENSBORO STR	LUST, UST, IMD	Higher	2084, 0.395, South
E20	FITCH LUMBER COMPANY	309 N GREENSBORO STR	UST FINDER, UST FINDER RELEASE	Higher	2084, 0.395, South
F21	OAKLEY, LOUISE - PRO	105 PINE STREET	LUST, IMD, ASBESTOS	Higher	2132, 0.404, West
22	ONTJES PROPERTIES LL	205 LLOYD STREET	LUST, LUST TRUST, IMD	Higher	2235, 0.423, SSE
G23	NORRIS PROPERTY (GEO	114 ELM STREET	LUST, LUST TRUST, IMD	Higher	2433, 0.461, SW
H24	SECU*RE OAK PROPERTY	109 OAK STREET	LUST, INST CONTROL	Higher	2438, 0.462, West
I25	CARR MILL MALL	200 N GREENSBORO ST	SHWS	Higher	2464, 0.467, South
I26	CARR MILL MALL	200 NORTH GREENSBORO	IMD	Higher	2464, 0.467, South
27	BAKER PROPERTY, SUSA	110 PINE STREET	LUST, INST CONTROL	Higher	2475, 0.469, West
G28	HOGAN RESIDENCE	202 EAST POPLAR AVEN	LUST, LUST TRUST, IMD	Higher	2515, 0.476, SW
H29	PROVIDENCE PROPERTY	115 OAK STREET	LUST, LUST TRUST	Higher	2626, 0.497, West
30	NORTH MERRITT MILL R	N MERRITT MILL RD AN	SHWS	Higher	3565, 0.675, SSE
31	OWASA - NELLO TEER Q	HIGHWAY 54	SHWS, LAST, IMD	Higher	4522, 0.856, SW
32	UNC-COGENERATION FAC	575 W CAMERON AVE	SHWS, VCP	Higher	4690, 0.888, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS: A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROGERS-THIEM INC		S 1/2 - 1 (0.990 mi.)	0	8

Lists of state- and tribal hazardous waste facilities

SHWS: A review of the SHWS list, as provided by EDR, and dated 12/01/2023 has revealed that there are 4 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CARR MILL MALL Facility Id: NONCD0001186	200 N GREENSBORO ST	S 1/4 - 1/2 (0.467 mi.)	I25	15
NORTH MERRITT MILL R Facility Id: NONCD0003091	N MERRITT MILL RD AN	SSE 1/2 - 1 (0.675 mi.)	30	16
OWASA - NELLO TEER Q Facility Id: NONCD0002247	***HIGHWAY 54***	***SW 1/2 - 1 (0.856 mi.)***	***31***	***16***
UNC-COGENERATION FAC Facility Id: NCR000010272	***575 W CAMERON AVE***	***SSE 1/2 - 1 (0.888 mi.)***	***32***	***16***

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LAST: A review of the LAST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 3 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Close Out: 11/16/2004 Incident Number: 20705 Current Status: C	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***8***
OAK AVE SPILL Incident Number: 96636 Current Status: C	511 OAK AVE	SW 1/8 - 1/4 (0.196 mi.)	B5	9
RODRIGUEZ GASOLINE R Incident Number: 92168 Current Status: C	202 SHELTON ST	SSW 1/4 - 1/2 (0.347 mi.)	13	11

LUST: A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 21 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Incident Phase: CO Incident Number: 39750 Current Status: File Located in House	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Incident Phase: CO Incident Number: 33663 Current Status: File Located in Archives	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***8***
WHITE, MARTHA - RESI Incident Number: 26119 Current Status: File Located in House	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
WILTBERGER PROPERTY, Incident Phase: CO Incident Number: 26900 Current Status: File Located in Archives	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***9***
LISA CROUCHER PROPER Incident Phase: CO Incident Number: 48454 Current Status: File Located in House	406 OAK AVENUE	SSW 1/4 - 1/2 (0.269 mi.)	C7	9
KURALT, BRENDA RESID Incident Phase: CO Incident Number: 26766 Current Status: File Located in Archives	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Incident Phase: CO Incident Number: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***10***

Current Status: File Located in Archives				
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***10***
Incident Phase: CO Incident Number: 46130 Current Status: File Located in House				
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
Incident Phase: CO Incident Number: 33418 Current Status: File Located in Archives				
SOUTHERN STATES CARR	***300 N. GREENSBORO ST***	***S 1/4 - 1/2 (0.382 mi.)***	***E14***	***11***
Incident Phase: CO Incident Number: 26457 Current Status: File Located in Archives				
PERRY PROPERTY, HOYT	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
Incident Phase: RE Incident Number: 20571 Current Status: File Located in House				
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
Incident Phase: CO Incident Number: 39584 Current Status: File Located in House				
GREENSTREET PROPERTY	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***12***
Incident Phase: CO Incident Number: 39371 Current Status: File Located in House				
FITCH LUMBER COMPANY	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***13***
Incident Phase: CO Incident Number: 10287 Current Status: File Located in Archives				
OAKLEY, LOUISE - PRO	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***13***
Incident Phase: CO Incident Number: 26074 Current Status: File Located in Archives				
ONTJES PROPERTIES LL	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
Incident Phase: CO Incident Number: 20431 Current Status: File Located in Archives				
NORRIS PROPERTY (GEO	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
Incident Phase: CO Incident Number: 33029 Current Status: File Located in Archives				
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***14***
Incident Phase: CO Incident Number: 46205 Current Status: File Located in House				
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***15***
Incident Phase: CO Incident Number: 46218 Current Status: File Located in House				
HOGAN RESIDENCE	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***

Incident Phase: CO
Incident Number: 16584
Current Status: File Located in Archives

PROVIDENCE PROPERTY	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***16***

Incident Phase: CO
Incident Number: 39799
Current Status: File Located in House

LUST TRUST: A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 13 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROBERTSON PROPERTY U Site ID: 39750	***124 ESTES DRIVE EXT***	***WNW 0 - 1/8 (0.069 mi.)***	***1***	***8***
SHERRY PROPERTY (STE Site ID: 33663	***100 MULBERRY ST***	***S 1/8 - 1/4 (0.127 mi.)***	***A3***	***8***
WHITE, MARTHA - RESI Site ID: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
KURALT, BRENDA RESID Site ID: 26683	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Site ID: 33016	***401 LINDSAY STREET***	***SW 1/4 - 1/2 (0.298 mi.)***	***D9***	***10***
BURNETT PROPERTY (MA Site ID: 33418	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
PERRY PROPERTY, HOYT Site ID: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
SELF HELP PROPERTY Site ID: 39584	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
GREENSTREET PROPERTY Site ID: 39371	***100 E. PINE STREET***	***W 1/4 - 1/2 (0.392 mi.)***	***F18***	***12***
ONTJES PROPERTIES LL Site ID: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
NORRIS PROPERTY (GEO Site ID: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
HOGAN RESIDENCE Site ID: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***
PROVIDENCE PROPERTY Site ID: 39799	***115 OAK STREET***	***W 1/4 - 1/2 (0.497 mi.)***	***H29***	***16***

State and tribal institutional control / engineering control registries

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 5 INST CONTROL sites within approximately 0.5 miles of the target

property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIEFF PROPERTY, SUSA	***1200 N GREENSBORO ST***	***W 1/4 - 1/2 (0.330 mi.)***	***11***	***10***
BURNETT PROPERTY (MA	***714 GOMAIN STREET***	***SE 1/4 - 1/2 (0.334 mi.)***	***12***	***11***
SELF HELP PROPERTY	***605 CRAIG STREET***	***SE 1/4 - 1/2 (0.388 mi.)***	***17***	***12***
SECU*RE OAK PROPERTY	***109 OAK STREET***	***W 1/4 - 1/2 (0.462 mi.)***	***H24***	***14***
BAKER PROPERTY, SUSA	***110 PINE STREET***	***W 1/4 - 1/2 (0.469 mi.)***	***27***	***15***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there are 13 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GLENN OIL BULK FUEL Facility Id: 20705	***103 MULBERRY STREET***	***S 1/8 - 1/4 (0.126 mi.)***	***A2***	***8***
WHITE, MARTHA - RESI Facility Id: 26119	***508 OAK AVENUE***	***SW 1/8 - 1/4 (0.194 mi.)***	***B4***	***9***
WILTBERGER PROPERTY, Facility Id: 26900	***503 OAK AVE.***	***SW 1/4 - 1/2 (0.250 mi.)***	***C6***	***9***
KURALT, BRENDA RESID Facility Id: 26683 Facility Id: 26766	***110 WATTERS ROAD***	***WNW 1/4 - 1/2 (0.282 mi.)***	***8***	***10***
PENDERGRASS, CATHERI Facility Id: 33016	401 LINDSAY STREET	SW 1/4 - 1/2 (0.298 mi.)	D10	10
SOUTHERN STATES PROP Facility Id: 26457	300 N. GREENSBORO ST	S 1/4 - 1/2 (0.382 mi.)	E15	12
PERRY PROPERTY, HOYT Facility Id: 20571	***103 PINE STREET***	***W 1/4 - 1/2 (0.388 mi.)***	***F16***	***12***
FITCH LUMBER COMPANY Facility Id: 10287	***309 N GREENSBORO STR***	***S 1/4 - 1/2 (0.395 mi.)***	***E19***	***13***
OAKLEY, LOUISE - PRO Facility Id: 26074	***105 PINE STREET***	***W 1/4 - 1/2 (0.404 mi.)***	***F21***	***13***
ONTJES PROPERTIES LL Facility Id: 20431	***205 LLOYD STREET***	***SSE 1/4 - 1/2 (0.423 mi.)***	***22***	***14***
NORRIS PROPERTY (GEO Facility Id: 33029	***114 ELM STREET***	***SW 1/4 - 1/2 (0.461 mi.)***	***G23***	***14***
CARR MILL MALL Facility Id: 86525	200 NORTH GREENSBORO	S 1/4 - 1/2 (0.467 mi.)	I26	15
HOGAN RESIDENCE Facility Id: 16584	***202 EAST POPLAR AVEN***	***SW 1/4 - 1/2 (0.476 mi.)***	***G28***	***15***

EXECUTIVE SUMMARY

Other Ascertainable Records

UST FINDER RELEASE: A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the target property.

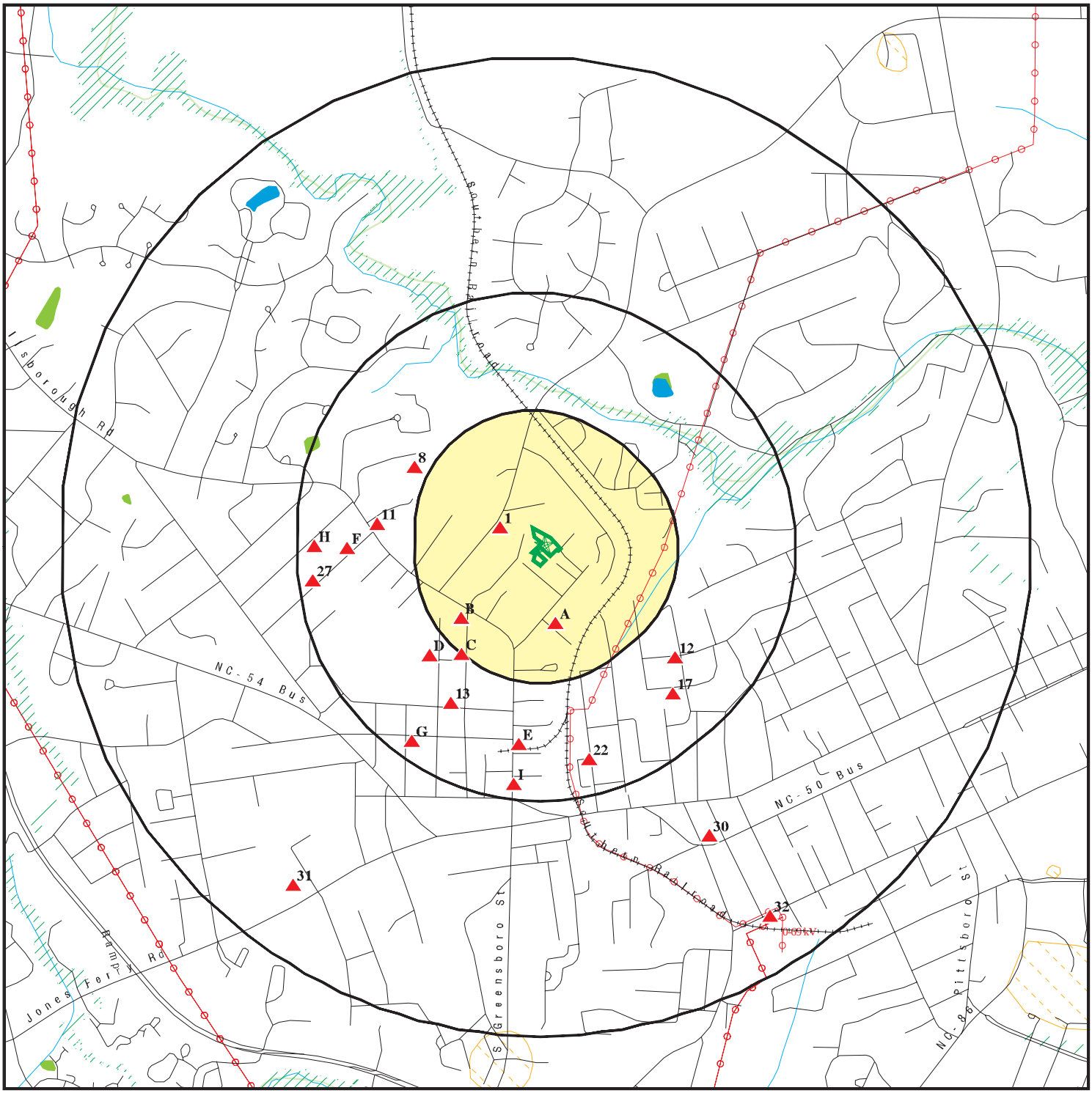
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FITCH LUMBER COMPANY	*309 N GREENSBORO STR*	*S 1/4 - 1/2 (0.395 mi.)*	*E20*	*13*

Count: 5 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHAPEL HILL	S108965468	AMOCO #2281	EASTGATE SHOPPING CENTER		LUST TRUST
CHAPEL HILL	S105485881	CHAPEL HILL LANDFILL	1000 ESTES DRIVE EXTENSION		OLI
CHAPEL HILL	S125088060	ROCKY BROOK WASHERETTE	SOUTH GREENSBORO STREET (C)		DRYCLEANERS
CHAPEL HILL	S127148584	KAST PROPERTY, CHARLES	406 MITCHELL LANE	27516	LUST
CHAPEL HILL	S129182068	ORANGE COUNTY WALNUT GROVE HHW	3605 WALNUT GROVE CHURCH RD		SWF/LF

OVERVIEW MAP - 7609267.2S



0 1/4 1/2 1 Miles

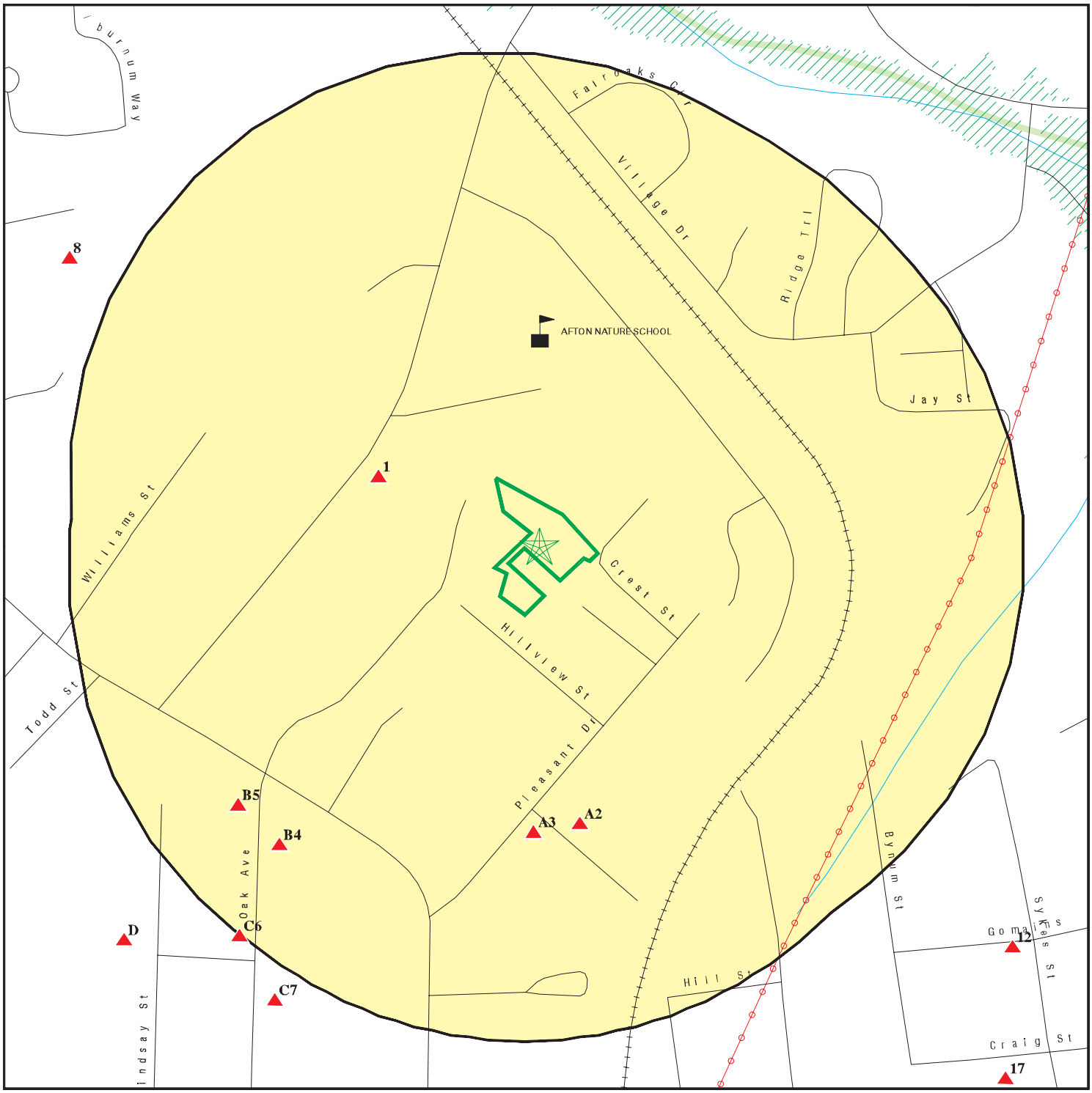
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Town of Carrboro Crest Street ADDRESS: Not Reported Carrboro NC 27510 LAT/LONG: 35.918907 / 79.071042	CLIENT: Summit Design & Engineering Services CONTACT: Aaron Gross INQUIRY #: 7609267.2s DATE: March 28, 2024 7:45 pm

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DETAIL MAP - 7609267.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	1	3	NR	4
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEBRIS	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	2	1	NR	NR	3
LUST	0.500		1	2	18	NR	NR	21
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		1	2	10	NR	NR	13
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	5	NR	NR	5
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	2	11	NR	NR	13
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	1	NR	NR	1
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	2	8	47	4	0	61

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

HSDS
Region South
1/2-1
5228 ft.

ROGERS-THIEM INC
, NC

NC HSDS **S102442343**
N/A

Click here for full text details

1
WNW
< 1/8
0.069 mi.
364 ft.

Relative: Higher

ROBERTSON PROPERTY UST
124 ESTES DRIVE EXT
CARRBORO, NC 27510

LUST **S118128382**
LUST TRUST **N/A**

Click here for full text details

LUST
Incident Phase CO
Incident Number 39750
Current Status File Located in House

LUST TRUST
Site ID 39750

A2
South
1/8-1/4
0.126 mi.
664 ft.

Relative: Higher

GLENN OIL BULK FUEL FACILITY (
103 MULBERRY STREET
CARRBORO, NC

LAST **S104157092**
IMD **N/A**

Click here for full text details

LAST
Incident Number 20705
Current Status C
Close Out 11/16/2004

IMD
Facility Id 20705

A3
South
1/8-1/4
0.127 mi.
670 ft.

Relative: Higher

SHERRY PROPERTY (STEVEN)
100 MULBERRY ST
CARRBORO, NC 27510

LUST **S109836876**
LUST TRUST **N/A**

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LUST
Incident Phase CO
Incident Number 33663
Current Status File Located in Archives

LUST TRUST
Site ID 33663

B4
SW
1/8-1/4
0.194 mi.
1026 ft.

Relative:
Higher

WHITE, MARTHA - RESIDENCE
508 OAK AVENUE
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S105707186
N/A

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LUST
Incident Number 26119
Current Status File Located in House

LUST TRUST
Site ID 26119

IMD
Facility Id 26119

B5
SW
1/8-1/4
0.196 mi.
1035 ft.

Relative:
Higher

OAK AVE SPILL
511 OAK AVE
CARRBORO, NC 27510

LAST

S128647293
N/A

Click here for full text details

LAST
Incident Number 96636
Current Status C

C6
SW
1/4-1/2
0.250 mi.
1322 ft.

Relative:
Higher

WILTBERGER PROPERTY, TOM
503 OAK AVE.
CARRBORO, NC 27510

LUST
IMD

S107031815
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26900
Current Status File Located in Archives

IMD
Facility Id 26900

C7
SSW
1/4-1/2
0.269 mi.
1418 ft.

Relative:
Higher

LISA CROUCHER PROPERTY
406 OAK AVENUE
CARRBORO, NC 27510

LUST

S128894821
N/A

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LUST
Incident Phase CO
Incident Number 48454
Current Status File Located in House

8
WNW
1/4-1/2
0.282 mi.
1487 ft.

Relative:
Higher

KURALT, BRENDA RESIDENCE
110 WATTERS ROAD
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S106520701
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26766
Current Status File Located in Archives

LUST TRUST
Site ID 26683

IMD
Facility Id 26683
Facility Id 26766

D9
SW
1/4-1/2
0.298 mi.
1574 ft.

Relative:
Higher

PENDERGRASS, CATHERINE PROPERTY
401 LINDSAY STREET
CARRBORO, NC 27510

LUST
LUST TRUST

S107562969
N/A

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LUST
Incident Phase CO
Incident Number 33016
Current Status File Located in Archives

LUST TRUST
Site ID 33016

D10
SW
1/4-1/2
0.298 mi.
1574 ft.

Relative:
Higher

PENDERGRASS, CATHERINE PROPERT
401 LINDSAY STREET
CARRBORO, NC

IMD

S107671982
N/A

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IMD
Facility Id 33016

11
West
1/4-1/2
0.330 mi.
1740 ft.

Relative:
Higher

LIEFF PROPERTY, SUSAN
1200 N GREENSBORO ST
CARRBORO, NC 27510

LUST
INST CONTROL

S120840145
N/A

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LUST
Incident Phase CO
Incident Number 46130

LIEFF PROPERTY, SUSAN (Continued) **S120840145**

Current Status File Located in House

12
SE
1/4-1/2
0.334 mi.
1766 ft.

Relative:
Higher

BURNETT PROPERTY (MARVA) **LUST** **S108966443**
714 GOMAIN STREET **LUST TRUST** **N/A**
CHAPEL HILL, NC 27516 **INST CONTROL**

Click here for full text details

LUST
Incident Phase CO
Incident Number 33418
Current Status File Located in Archives

LUST TRUST
Site ID 33418

13
SSW
1/4-1/2
0.347 mi.
1831 ft.

Relative:
Higher

RODRIGUEZ GASOLINE RELEASE **LAST** **S126204698**
202 SHELTON ST **N/A**
CARRBORO, NC 27510

Click here for full text details

LAST
Incident Number 92168
Current Status C

E14
South
1/4-1/2
0.382 mi.
2015 ft.

Relative:
Higher

SOUTHERN STATES CARRBORO **LUST** **U003145472**
300 N. GREENSBORO ST. **UST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 26457
Current Status File Located in Archives

UST
Facility Id 00-0-0000020470
Tank Status Removed

E15
South
1/4-1/2
0.382 mi.
2015 ft.

Relative:
Higher

SOUTHERN STATES PROPERTY — **IMD** — **S106196005**
300 N. GREENSBORO STREET — **N/A**
CARRBORO, NC

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IMD
Facility Id 26457

F16
West
1/4-1/2
0.388 mi.
2048 ft.

Relative:
Higher

PERRY PROPERTY, HOYT — **LUST** — **S104157349**
103 PINE STREET — **LUST TRUST** — **N/A**
CARRBORO, NC 27510 — **IMD**

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LUST
Incident Phase RE
Incident Number 20571
Current Status File Located in House

LUST TRUST
Site ID 20571

IMD
Facility Id 20571

17
SE
1/4-1/2
0.388 mi.
2051 ft.

Relative:
Higher

SELF HELP PROPERTY — **LUST** — **S117055253**
605 CRAIG STREET — **LUST TRUST** — **N/A**
CHAPEL HILL, NC 27516 — **INST CONTROL**

Click here for full text details

LUST
Incident Phase CO
Incident Number 39584
Current Status File Located in House

LUST TRUST
Site ID 39584

F18
West
1/4-1/2
0.392 mi.
2070 ft.

Relative:
Higher

GREENSTREET PROPERTY — **LUST** — **S113813277**
100 E. PINE STREET — **LUST TRUST** — **N/A**
CARRBORO, NC 27510

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LUST
Incident Phase CO
Incident Number 39371
Current Status File Located in House

GREENSTREET PROPERTY (Continued) **S113813277**

LUST TRUST
Site ID 39371

E19
South
1/4-1/2
0.395 mi.
2084 ft.

Relative:
Higher

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

LUST **U001439887**
UST **N/A**
IMD

Click here for full text details

LUST
Incident Phase CO
Incident Number 10287
Current Status File Located in Archives

UST
Facility Id 00-0-0000033000
Tank Status Removed

IMD
Facility Id 10287

E20
South
1/4-1/2
0.395 mi.
2084 ft.

Relative:
Higher

FITCH LUMBER COMPANY, INC
309 N GREENSBORO STREET
CARRBORO, NC 27510

UST FINDER **1028519948**
UST FINDER RELEASE **N/A**

Click here for full text details

F21
West
1/4-1/2
0.404 mi.
2132 ft.

Relative:
Higher

OAKLEY, LOUISE - PROPERTY
105 PINE STREET
CARRBORO, NC 27510

LUST **S105702836**
IMD **N/A**
ASBESTOS

Click here for full text details

LUST
Incident Phase CO
Incident Number 26074
Current Status File Located in Archives

IMD
Facility Id 26074

22
SSE
1/4-1/2
0.423 mi.
2235 ft.

Relative:
Higher

ONTJES PROPERTIES LLC (10/98)
205 LLOYD STREET
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S104157236
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 20431
Current Status File Located in Archives

LUST TRUST
Site ID 20431

IMD
Facility Id 20431

G23
SW
1/4-1/2
0.461 mi.
2433 ft.

Relative:
Higher

NORRIS PROPERTY (GEORGIA)
114 ELM STREET
CARRBORO, NC 27510

LUST
LUST TRUST
IMD

S107671991
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 33029
Current Status File Located in Archives

LUST TRUST
Site ID 33029

IMD
Facility Id 33029

H24
West
1/4-1/2
0.462 mi.
2438 ft.

Relative:
Higher

SECU*RE OAK PROPERTY
109 OAK STREET
CARRBORO, NC 27845

LUST
INST CONTROL

S121291139
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 46205
Current Status File Located in House

I25
South
1/4-1/2
0.467 mi.
2464 ft.

Relative:
Higher

CARR MILL MALL — **SHWS** — **S109316491**
200 N GREENSBORO ST — **N/A**
CARRBORO, NC

Click here for full text details

SHWS
Facility Id NONCD0001186

I26
South
1/4-1/2
0.467 mi.
2464 ft.

Relative:
Higher

CARR MILL MALL — **IMD** — **S105807423**
200 NORTH GREENSBORO STREET — **N/A**
CARRBORO, NC

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IMD
Facility Id 86525

27
West
1/4-1/2
0.469 mi.
2475 ft.

Relative:
Higher

BAKER PROPERTY, SUSAN — **LUST** — **S121425741**
110 PINE STREET — **INST CONTROL** — **N/A**
CARRBORO, NC 27510

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LUST
Incident Phase CO
Incident Number 46218
Current Status File Located in House

G28
SW
1/4-1/2
0.476 mi.
2515 ft.

Relative:
Higher

HOGAN RESIDENCE — **LUST** — **S102443451**
202 EAST POPLAR AVENUE — **LUST TRUST** — **N/A**
CARRBORO, NC 27510 — **IMD**

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LUST
Incident Phase CO
Incident Number 16584
Current Status File Located in Archives

LUST TRUST
Site ID 16584

IMD
Facility Id 16584

H29
West
1/4-1/2
0.497 mi.
2626 ft.

Relative:
Higher

PROVIDENCE PROPERTY
115 OAK STREET
CARRBORO, NC 27105

LUST
LUST TRUST

S118128425
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 39799
Current Status File Located in House

LUST TRUST
Site ID 39799

30
SSE
1/2-1
0.675 mi.
3565 ft.

Relative:
Higher

NORTH MERRITT MILL RD PCE CONTAMINATION
N MERRITT MILL RD AND W FRANKL
CHAPEL HILL, NC

SHWS

S125965100
N/A

Click here for full text details

SHWS
Facility Id NONCD0003091

31
SW
1/2-1
0.856 mi.
4522 ft.

Relative:
Higher

OWASA - NELLO TEER QUARRY
HIGHWAY 54
CARBORRO, NC 27516

SHWS
LAST
IMD

S104913633
N/A

Click here for full text details

SHWS
Facility Id NONCD0002247

LAST
Incident Number 21750
Current Status C

IMD
Facility Id 21750

32
SSE
1/2-1
0.888 mi.
4690 ft.

Relative:
Higher

UNC-COGENERATION FACILITY
575 W CAMERON AVE
CHAPEL HILL, NC

SHWS
VCP

S110689925
N/A

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SHWS
Facility Id NCR000010272

VCP

UNC-COGENERATION FACILITY (Continued) **S110689925**

EPA ID NCR000010272

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NC	AIRS	Air Quality Permit Listing	Department of Environmental Quality	12/04/2023	12/04/2023	02/27/2024
NC	AOP	Animal Operation Permits Listing	Department of Environmental Quality	08/29/2023	08/31/2023	11/21/2023
NC	ASBESTOS	Asbestos Permits & Notifications Information	Department of Health & Human Services	01/31/2024	02/06/2024	03/11/2024
NC	AST	AST Database	Department of Environment and Natural Resourc	11/08/2023	12/06/2023	02/27/2024
NC	BROWNFIELDS	Brownfields Projects Inventory	Department of Environment and Natural Resourc	09/01/2023	09/26/2023	12/18/2023
NC	CCB	Coal Ash Structural Fills (CCB) Listing	Department of Environmental Quality	05/10/2021	07/02/2021	09/27/2021
NC	COAL ASH	Coal Ash Disposal Sites	Department of Environment & Natural Resources	12/15/2022	12/19/2022	03/15/2023
NC	DEBRIS	Solid Waste Active Disaster Debris Sites Listing	Department of Environmental Quality	12/07/2023	12/07/2023	02/29/2024
NC	DRYCLEANERS	Drycleaning Sites	Department of Environment & Natural Resources	12/05/2023	12/07/2023	03/05/2024
NC	Financial Assurance 1	Financial Assurance Information Listing	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental & Natural Resourc	10/02/2012	10/03/2012	10/26/2012
NC	Financial Assurance 3	Financial Assurance Information	Department of Environment & Natural Resources	09/28/2023	09/28/2023	10/02/2023
NC	HIST LF	Solid Waste Facility Listing	Department of Environment & Natural Resource	11/06/2006	02/13/2007	03/02/2007
NC	HSDS	Hazardous Substance Disposal Site	North Carolina Center for Geographic Informat	08/09/2011	11/08/2011	12/05/2011
NC	IMD	Incident Management Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	INST CONTROL	No Further Action Sites With Land Use Restrictions Monitorin	Department of Environmental Quality	12/01/2023	12/05/2023	02/29/2024
NC	LAST	Leaking Aboveground Storage Tanks	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	LCID	Land-Clearing and Inert Debris (LCID) Landfill Notifications	Department of Environmental Quality	11/30/2023	01/03/2024	03/22/2024
NC	LUST	Regional UST Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	LUST TRUST	State Trust Fund Database	Department of Environment and Natural Resourc	01/02/2024	01/03/2024	03/22/2024
NC	NPDES	NPDES Facility Location Listing	Department of Environment & Natural Resources	10/02/2023	10/25/2023	01/18/2024
NC	OLI	Old Landfill Inventory	Department of Environment & Natural Resources	12/07/2023	01/03/2024	03/22/2024
NC	PCSRP	Petroleum-Contaminated Soil Remediation Permits	Department of Environmental Quality	08/18/2022	10/03/2022	12/16/2022
NC	PFAS	PFAS Contamination Site Listing	Department of Environmental Quality	05/18/2022	05/18/2022	08/08/2022
NC	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environment, Health and Natural		07/01/2013	12/24/2013
NC	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environment, Health and Natural		07/01/2013	01/13/2014
NC	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environment, Health and Natural		07/01/2013	12/20/2013
NC	SEPT HAULERS	Permitted Septage Haulers Listing	Department of Environmental Quality	12/09/2023	01/03/2024	03/22/2024
NC	SHWS	Inactive Hazardous Sites Inventory	Department of Environment, Health and Natural	12/01/2023	12/05/2023	02/28/2024
NC	SPILLS	Spills Incident Listing	Department of Environment & Natural Resources	10/28/2023	12/22/2023	01/08/2024
NC	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	06/14/2001	01/03/2013	03/06/2013
NC	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	09/27/2012	01/03/2013	03/06/2013
NC	SWF/LF	List of Solid Waste Facilities	Department of Environment and Natural Resourc	12/15/2022	12/19/2022	03/15/2023
NC	SWRCY	Recycling Center Listing	Department of Environment & Natural Resources	01/31/2022	02/02/2022	04/29/2022
NC	UIC	Underground Injection Wells Listing	Department of Environment & Natural Resources	09/25/2023	11/27/2023	02/21/2024
NC	UST	Petroleum Underground Storage Tank Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	VCP	Responsible Party Voluntary Action Sites	Department of Environment and Natural Resourc	12/01/2023	12/05/2023	02/29/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	11/28/2023	11/29/2023	12/11/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	11/03/2023	11/08/2023	11/20/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	09/28/2023	11/10/2023	02/07/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/10/2023	11/10/2023	02/07/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	08/03/2023	08/07/2023	10/10/2023
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	09/01/2023	09/27/2023	12/21/2023
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	01/29/2024	02/01/2024	02/22/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/29/2024	02/01/2024	02/22/2024
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/15/2023	08/30/2023	12/01/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	11/17/2023	11/17/2023	02/07/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	10/26/2023	11/17/2023	02/13/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	11/17/2023	11/17/2023	02/07/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	10/26/2023	11/17/2023	02/13/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/01/2023	11/17/2023	02/13/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/06/2023	11/07/2023	01/31/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NC	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Health & Human Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NC	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TOWN OF CARRBORO CREST STREET
NOT REPORTED
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.918907 - 35° 55' 8.07''
Longitude (West):	79.071042 - 79° 4' 15.75''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	674044.7
UTM Y (Meters):	3976473.0
Elevation:	419 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

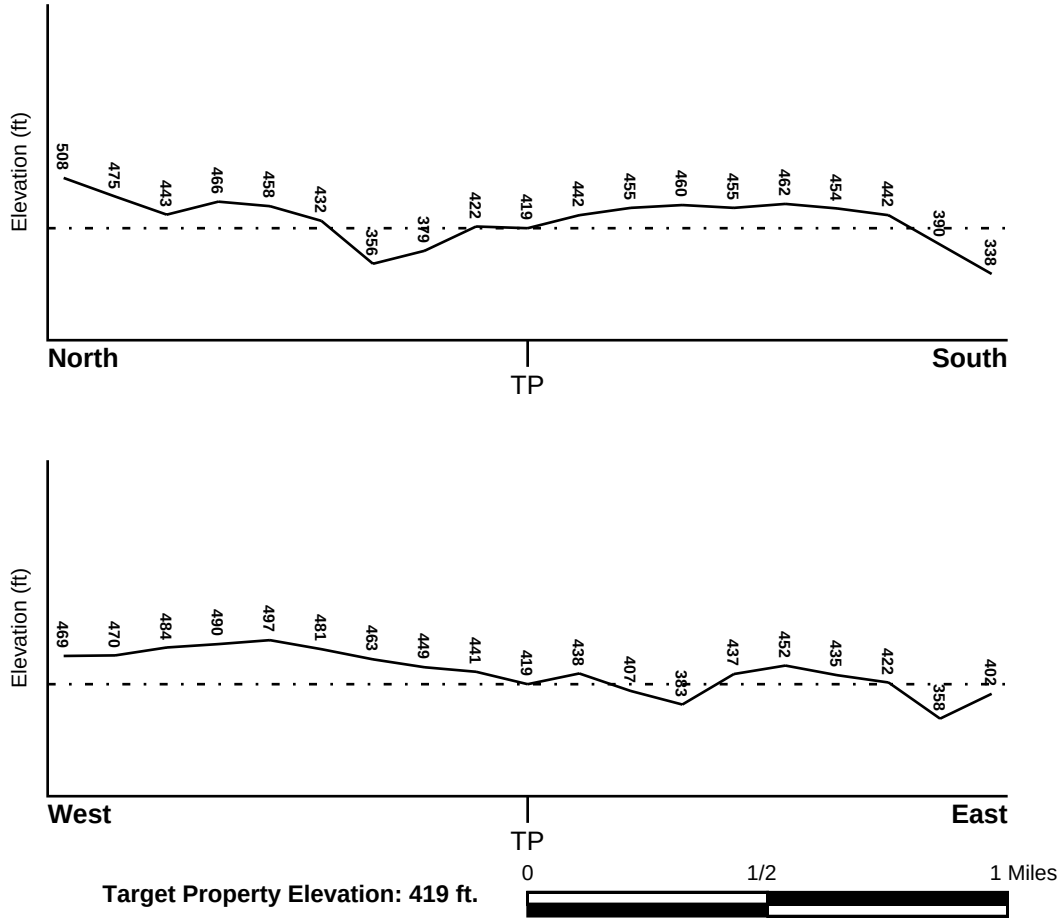
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977800J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710977900J	FEMA FIRM Flood data
3710978800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

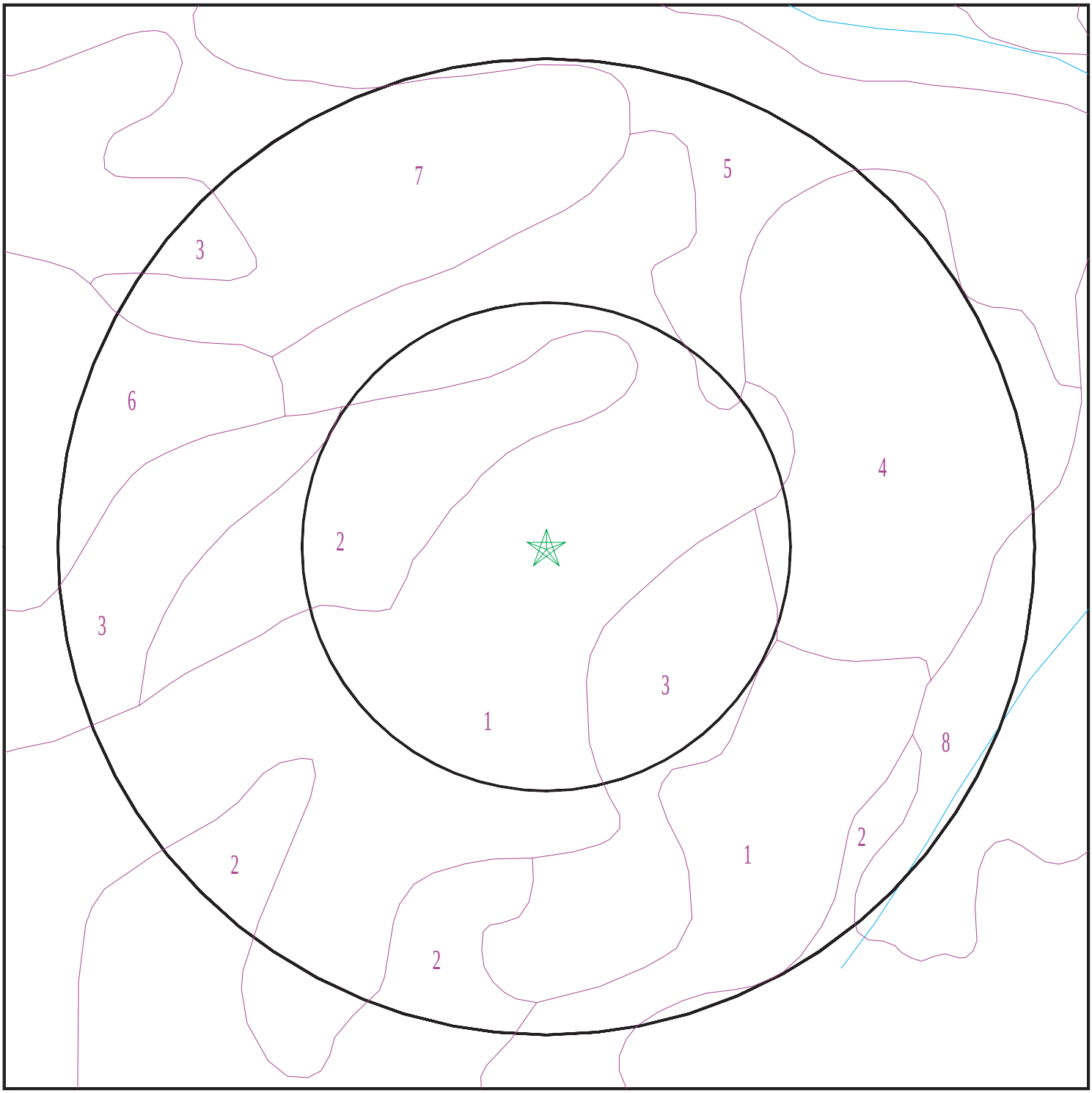
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7609267.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Iredell

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	5 inches	24 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	24 inches	27 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
4	27 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 3

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information

	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 4

Soil Component Name: Iredell

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C/D - Drained/undrained hydrology class of soils that can be drained and classified.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
2	7 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6
3	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 8.4 Min: 6.6

Soil Map ID: 5

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	59 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Wilkes

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches	clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	59 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: Wedowee

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	11 inches	14 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	14 inches	27 inches	sandy clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	27 inches	78 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	USGS40000891689	1/2 - 1 Mile SSE
4	USGS40000891849	1/2 - 1 Mile NE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NC0368460	1/2 - 1 Mile SSW

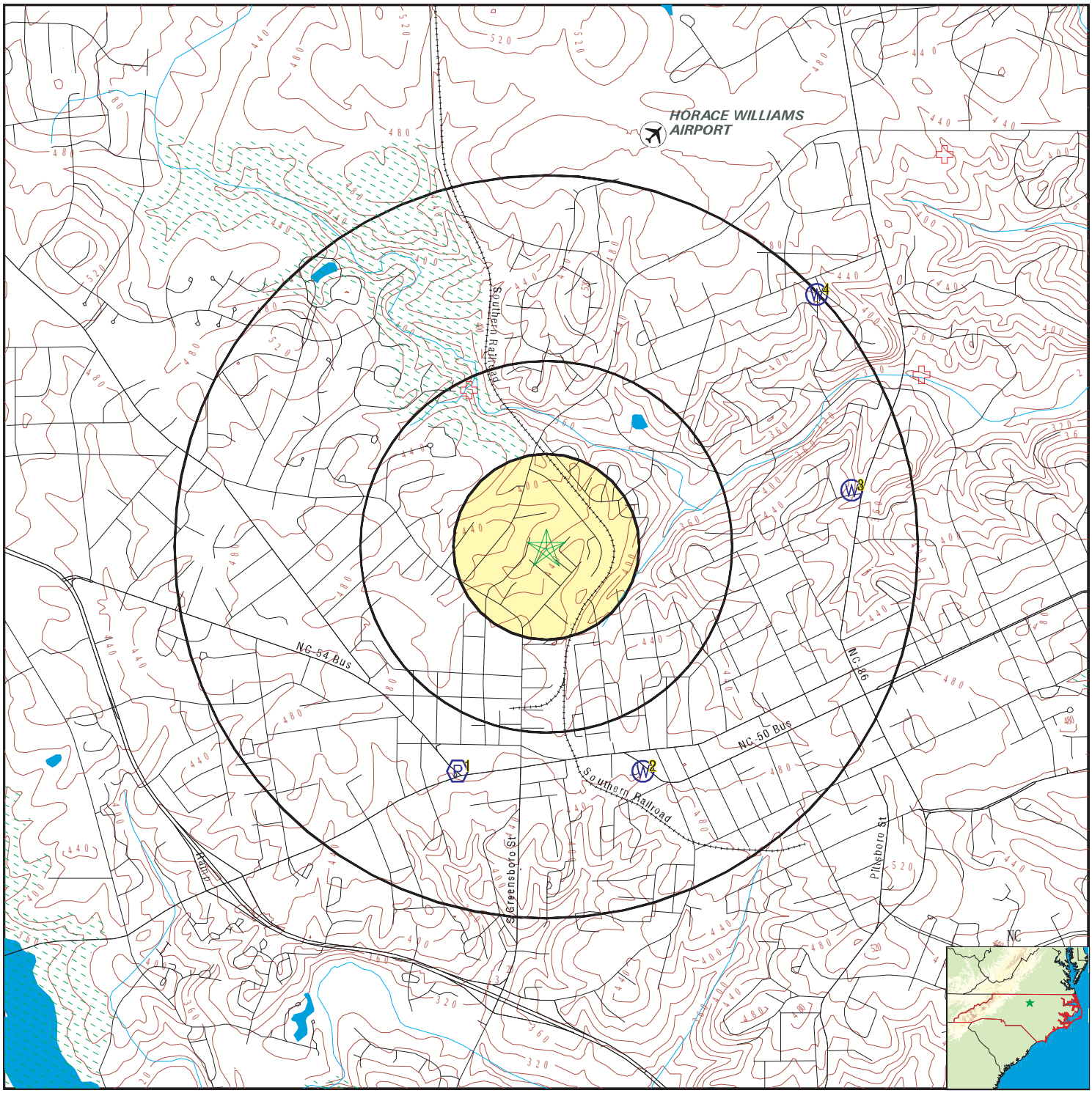
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	NC4000000018218	1/2 - 1 Mile East

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7609267.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Town of Carrboro Crest Street	CLIENT:	Summit Design & Engineering Services
ADDRESS:	Not Reported Carrboro NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.918907 / 79.071042	INQUIRY #:	7609267.2s
		DATE:	March 28, 2024 7:47 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SSW** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FRDS PWS**	**NC0368460**
2 **SSE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000891689**
3 **East** **1/2 - 1 Mile** **Lower**	Click here for full text details	**NC WELLS**	**NC4000000018218**
4 **NE** **1/2 - 1 Mile** **Higher**	Click here for full text details	**FED USGS**	**USGS40000891849**
	Click here for full text details	**NC_NHEO**	**NC50005306**
	Click here for full text details	**NC_NHEO**	**NC50007525**
	Click here for full text details	**NC_NHEO**	**NC50009897**
	Click here for full text details	**NC_NHEO**	**NC50015296**
	Click here for full text details	**NC_NHEO**	**NC50015984**
	Click here for full text details	**NC_SNHA**	**NC10000343**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
	Click here for full text details	NC_SNHA	NC10002135
	Click here for full text details	NC_SNHA	NC10002136
	Click here for full text details	NC_SNHA	NC10002137
	Click here for full text details	NC_SNHA	NC10002518

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

RECEIVED
SEP 10 2015
NC DENR Raleigh Regional Office

INITIAL ABATEMENT ACTION REPORT
Including
Post Excavation Report

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NORTH CAROLINA

Latitude: 35.919460 N Longitude: -79.072649 W

Release Information

Date Discovered: July 8, 2015 (Lab Confirmation)
Estimated Release Quantity: Unknown
Release Cause/Source: Non-Commercial Heating Oil Underground Storage Tank
UST Capacity: 550-gallon Steel Heating Oil UST
NCDWM-UST Facility ID: Not Applicable
NCDWM-UST Incident No.: 39750

Responsible Party/Property Owner:
Page B. Rentals, LLC
George Knight
1249 Kildaire Farm Road
Cary, NC 27511

Terraquest Project No. 04615

August 11, 2015

100 E. Ruffin Street • Mebane, North Carolina 27302
Telephone (919) 563-9091 • Facsimile (919) 563-9095
www.terraquestpc.com

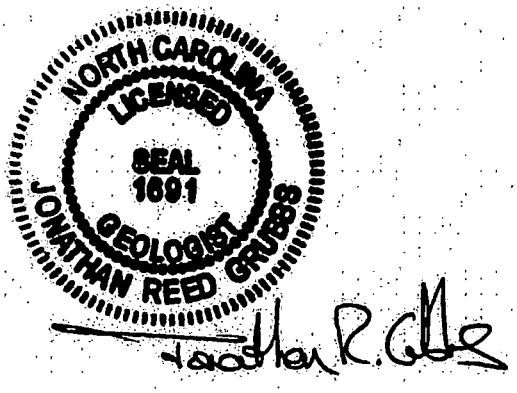
CERTIFICATION FOR THE SUBMITTAL
OF AN ENVIRONMENTAL / GEOLOGICAL ASSESSMENT

Attached is the Initial Abatement Action Report for:

Release Property:	Page B. Rentals, LLC Property c/o George Knight		
Address:	124 Estes Drive Extension		
City:	Carrboro	State: NC	Zip Code: 27105
Responsible Party:	Page B. Rentals, LLC c/o George Knight		
Address:	1249 Kildaire Farm Road		
City:	Cary	State: NC	Zip Code: 27511

I, Jonathan R. Grubbs, a Licensed Geologist in the State of North Carolina for TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C. do hereby certify that I am familiar with and have reviewed all material including figures within this report and that to the best of my knowledge the data, site assessments, figures, and other associated materials are correct and accurate. All work was performed under my direct supervision. My seal and signature are affixed below. Additional seals and/or signatures are also affixed below.

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jordan T. Lerew
Environmental Technician

Jonathan R. Grubbs, P.G.
Vice President

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APPENDICES

A: UST Disposal Manifest, Approval for Further Over-Excavation letter, Weight Tickets, and Soil Disposal Waste Manifests

B: Photographs

C: Technical Methods and Standard Procedures

D: Analytical Report

1.0 INTRODUCTION

In June 2015, George Knight of Page B. Rentals, LLC contracted Terraquest Environmental Consultants, P.C. (Terraquest) to perform closure activities associated with a 550-gallon steel heating oil underground storage tank (UST) at the property located at 124 Estes Drive Extension, Carrboro, Orange County, NC. The scope of this report documents the UST removal and subsequent soil excavation activities completed at the subject property. The site location is shown in Figure 1. A site layout map is included in Figure 2.

2.0 SITE HISTORY

According to the Orange County Tax Records, the residential structure for which the heating oil UST supplied on the subject property was built in 1942. Orange County property title records indicate Charles and Frank Robertson have owned the property from March 2014 until they sold it to Page B Rental, LLC in June 2015. A Notice of Residual Petroleum was filed for the property with the Orange County Register of Deeds on June 22, 2015, prior to the property's sale. The residence currently uses natural gas as the fuel source for the heating unit. The product type, capacity, date installed, date closed, and release detection information for the UST is listed in Table 1.

3.0 INITIAL ABATEMENT ACTIVITIES

UST Closure

On June 29, 2015, approximately 25 gallons of residual liquid was removed from the UST and placed in a 55-gallon drum awaiting offsite disposal. A liquid disposal manifest was not available prior to the completion of this report.

On June 29, 2015, Terraquest supervised the removal of the steel UST using a track excavator. The UST was located off the northern side of the residence and was buried approximately 16 inches below ground level (BGL). Once the UST was removed, Terraquest personnel noted the UST had

pitting and numerous holes along the sides, bottom, and seems of the UST. The dimensions of the UST were approximately 45 inches by 76 inches. The product lines coming out from beneath the foundation were removed up to the edge of the final excavation. A copy of the UST disposal manifest is included in Appendix A.

Stained soils with a heating oil odor were noted beneath the UST indicating that a release of heating oil had occurred from the UST. In order to document the release incident, Terraquest personnel collected soil sample B1 immediately beneath the UST at a depth of 6.0 feet BGL.

Excavation of Contaminated Soil

On June 29, 2015, Terraquest supervised the excavation of impacted soils beneath and surrounding the UST. Soils beneath the initial base and sidewalls of the excavation were stained and had a strong heating oil odor. The soil excavation continued until either the odor and/or staining dissipated or the residence foundation was encountered along sidewall SW1. Soils in the sidewalls and base of the excavation were screened with a Photoionization Detector (PID). Terraquest identified a medium stiff yellowish-orange sandy clay from 0.5 to 6.0 feet BGL and a saprolitic yellowish-orange clayey sand from 6.0 to 12.0 feet BGL.

63.54 tons of contaminated soil were excavated from beneath the UST and hauled offsite for disposal at the Earthtec of NC, Inc. disposal facility in Sanford, NC. Additional tonnage, above the limit of 56.2 tons, was approved by the NCDWM-UST Section's Raleigh Regional Office (NCDWM-RRO). A copy of the Approval for Further Over-Excavation letter is contained in Appendix A. The final dimensions of the excavation were approximately 10.5 feet wide by 14 feet long by 12 feet deep. A copy of the soil disposal waste manifests are included in Appendix A.

Confirmation soil samples were collected at the final limits of the soil excavation to determine in-situ soil quality along the sidewalls (SW1, SW2, SW3, and SW4) and the base of the excavation (BE1). The sidewall soil sample depths were collected approximately three-quarters down the

sidewalls or where petroleum contamination was noted to document soil quality. The excavation was backfilled with Chapel Hill Gravel from Merritts Gravel Pit in Chapel Hill, NC. Table 2 lists the sample depths and analytical results of the limit of excavation soil samples. The locations of the limit of excavation soil samples are depicted in Figure 2. The methods and standard procedures followed during the soil sampling are detailed in Section 4.0.

With the discovery of the release confirmed by the soil sample analytical results, Terraquest reported the release to the NCDWM-RRO in the 20-Day Report, submitted July 15, 2015.

Pictures of the UST removal and subsequent soil excavation are included in Appendix B.

4.0 FIELD AND LABORATORY ANALYSES

4.1 Soil Sampling Methodology and Results – Soil Excavation

As previously mentioned, soil sample B1 (6.0) was collected from beneath the UST to document soil quality on June 23, 2015. After the soil excavation, soil samples were collected at the limits of the initial excavation {SW1(6-7), SW2(6-7), SW3(6-7), SW4(6-7), and BE1(12)}.

The initial B1 (6.0) and final confirmation soil samples were collected following the proper soil sampling protocol in accordance with the NCDWM - UST guidelines. A grab sample from each sample location was collected, placed in the appropriate laboratory-prepared containers, and labeled with the sample identification, sample analytical method, and sample time. Soil sample B1 was collected at a depth of 6.0 feet BGL with a properly decontaminated hand auger. Sidewall soil samples SW1, SW2, SW3, and SW4 were collected at depths between 6.0 and 7.0 feet BGL. The base of the excavation soil sample BE1 was collected at a depth of 12.0 feet BGL. The limits of the soil excavation soil samples were collected from the track excavator bucket. Each of the confirmation soil samples were placed on ice pending transportation to a North Carolina-certified

environmental laboratory. All of the soil samples were analyzed within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for each collected sample.

The B1 soil sample was analyzed for total petroleum hydrocarbons constituents by EPA Method 8015 using the sample extraction method TPH 3550 (heating oil) and sample preparation method 5030 (gasoline). The final sidewall and base of the excavation samples were analyzed by the Risk-Based Corrective Action (RBCA) methods EPA 8270 Base Neutrals and Acid Extractables (BNA) and Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons (EPH) targeting semi-volatile organics and EPA 8260 + methy tert-butyl ether (MTBE) + di-isopropyl ether (IPE) and MADEP Volatile Petroleum Hydrocarbons (VPH) targeting volatile organics. The SD1 soil sample was analyzed by TPH 3550 and 5030. The soil sampling protocol is detailed in the Technical Methods/Standard Procedures included in Appendix C.

The analytical results from the initial closure sample B1 revealed a petroleum contaminant concentration of 924 mg/kg per method TPH 3550 (heating oil) and 34 mg/kg per method 5030 (gasoline). These concentrations exceed the NCDWM-UST Action Limits of 10 mg/kg for both analyses. The analytical results of soil samples collected at the limits of the excavation revealed no detected concentrations exceeding the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (S-t-G MSCCs) in any of the sidewall or base of excavation soil samples. The analytical results of the confirmation soil samples are detailed in Table 2. Figure 2 depicts the locations of the B1 and SW and BE closure soil samples. The analytical report for the B1 and limit of excavation closure samples is contained in Appendix D.

A pre-prepared, sealed trip blank sample accompanied the soil sampled in transit to Xenco Laboratories of Norcross, GA. The trip blank accompanied the filled containers to the laboratory. The trip blank from the June 29, 2015 closure activities was analyzed by EPA Method 8260. Analysis of the trip blank sample revealed no contaminant concentrations above the laboratory's

sample method detection limits. The analytical results for the trip blank sample are included in Appendix D.

4.2 Groundwater Sampling Methodology and Results – Soil Excavation

Groundwater was not encountered during the UST closure and subsequent soil excavation.

5.0 FREE PRODUCT CHECK

No free product in the form of heating oil was observed in the bottom of the initial or final excavations.

6.0 POTENTIAL SOURCES OF PETROLEUM HYDROCARBONS

The primary source of petroleum hydrocarbons in the site vicinity is the former onsite heating oil UST. No additional USTs were noted in the immediate vicinity of the release area.

7.0 NATURE AND ESTIMATED QUANTITY OF RELEASE

The nature of the release is heating oil from the former 550-gallon heating oil UST. The amount of the release is currently unknown.

8.0 SITE AND VICINITY DESCRIPTION

The release incident is associated with the former 550-gallon UST installed on the subject property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. The site is located in a residential neighborhood and surrounding properties are residential. The site and the surrounding properties are believed to derive their drinking water from Orange Water and Sewer Authority

(OWASA) municipal sources. No buried utilities were uncovered within the limits of the UST excavation.

According to the Geologic Map of North Carolina (Brown et al, 1985), the site is located in the Carolina Slate Belt of the Piedmont Physiographic Region of North Carolina and is underlain by grandiorite consisting of levcoractic to mesocratic, fine to medium grained, equigranular to porphyritic grandiorite. Bedrock was not encountered during the soil excavation. Bolin Creek is located approximately 1,730 feet northeast of the UST basin.

9.0 CONCLUSIONS/RECOMMENDATIONS

The primary source of contamination at the site is believed to have originated from the 550-gallon heating oil UST formerly located at the residence. Terraquest has assembled data regarding the site vicinity and nature of the release in order to comply with Title 15A NCAC 2L .0115 and NCAC 2N .0700 regulations. Based upon the data gathered from this limited investigation, the following conclusions can be made:

- Analytical results of the B1 soil sample collected immediately beneath the UST confirm that a release from the UST system had occurred.
- Holes were noted along the bottom and seams of the UST.
- 63.54 tons of contaminated soil were excavated and hauled offsite for proper disposal at the Earthtec of NC, Inc. soil disposal facility in Sanford, NC.
- Analytical results of the soil samples collected from the sidewalls and base of the soil excavation reveal no petroleum contaminant concentrations that exceed the S-t-G MSCCs remain in-situ.
- Groundwater was not encountered during the soil excavation.
- With no in-situ soil contaminant concentrations above the S-t-G MSCCs, further assessment is not necessary. The release incident can be closed out and a Notice of No Further Action Letter completed.

10.0 LIMITATIONS

This report is limited to the investigation of petroleum hydrocarbons in the vicinity of the 550-gallon heating oil UST formerly located on the Providence Property Management property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. No representations are made concerning any other impacts to the environment except those described in this report. The opinions and conclusions arrived at in this report are in accordance with North Carolina Division of Waste Management regulations and guidelines and industry-accepted geologic and hydrogeologic practices at this time and location. No warranty is implied or intended.

REFERENCES

Brown, et al., 1985, Geologic Map of North Carolina, North Carolina Department of Natural Resources and Community Development, 1:500,000 scale.

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2N, Section .0700, January 1, 1991, "Criteria and Standards Applicable to Underground Storage Tanks".

North Carolina Department of Environment and Natural Resources, Division of Waste Management UST Section, UST Section *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, Effective August 1, 2012.

USGS 7.5-Minute Quadrangle Topographic Maps, Chapel Hill, North Carolina.

TABLES

Table 1 SITE HISTORY (UST SYSTEM INFORMATION)

8/11/2015 Incident Name: Page B. Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750 Facility ID No.: NA

UST	Product	Capacity (gallons)	Date Installed	Date Closed	Release Discovered?
T1	Heating Oil	550	1942	6/29/2015	Yes

Notes:

1. T1 was of steel construction.

Table 2
Date: 8/11/15

SUMMARY OF SOIL SAMPLING RESULTS

Incident Name: Page B Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750

Facility ID No.: NA

Analytical Method			5030/GRO	3550/DRO	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	MADEP VPH	MADEP EPH/VPH	MADEP EPH	MADEP EPH/VPH
	Contaminant of Concern																		
Sample ID	Date Collected	Sample Depth	TPH Low Fraction	TPH High Fraction	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics	
B1	6/29/15	6'	34	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SW1	6/29/15	6' - 7'	-	-	<0.00040	<0.00046	<0.00044	<0.00149	<0.00054	<0.00098	<0.0053	<0.0010	<0.00056	<0.00063	<0.00584	<11.206	<11.2	<22.402	
SW2	6/29/15	6' - 7'	-	-	<0.00046	**0.00082 J**	<0.00051	<0.00174	<0.00063	<0.0012	<0.0062	<0.0012	<0.00065	<0.00074	<0.00752	<12.907	<12.9	<25.802	
SW3	6/29/15	6' - 7'	-	-	<0.00048	<0.00056	<0.00053	<0.00182	<0.00065	<0.0012	<0.0065	**0.0021**	<0.00068	<0.00077	<0.00692	<11.007	<11	<22.102	
SW4	6/29/15	6' - 7'	-	-	<0.00050	<0.00058	<0.00055	<0.0019	<0.00068	<0.0012	<0.0067	<0.0013	<0.00071	<0.00080	<0.00726	<11.107	<11.1	<22.102	
BE1	6/29/15	12'	-	-	<0.00044	<0.00050	<0.00048	<0.00164	<0.00059	<0.0011	**0.029**	<0.0011	<0.00061	<0.00069	<0.00738	<10.907	<10.9	<21.802	
Soil to groundwater MSCC			-	-	0.0056	4.3	4.9	4.6	0.091	0.37	24	0.16	8.5	8.3	68	540	#	31	
Residential MSCC			-	-	18	1,200	1,560	3,129	350	156	14,000	313	782	782	939	1,500	31,000	469	
TPH Action Limit			10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Notes:

1. All results in mg/kg = parts per million
2. Bold denotes a compound detection. Shading denotes a Soil-to-Groundwater MSCC violation.
3. < - denotes less than sample detection limit.
4. Sample depths are in feet below ground level.
5. MSCC = Maximum Soil Contaminant Concentration.
6. "J" - The target analyte was positively identified below the quantitation limit and above the detection limit.

FIGURES



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

LEGEND

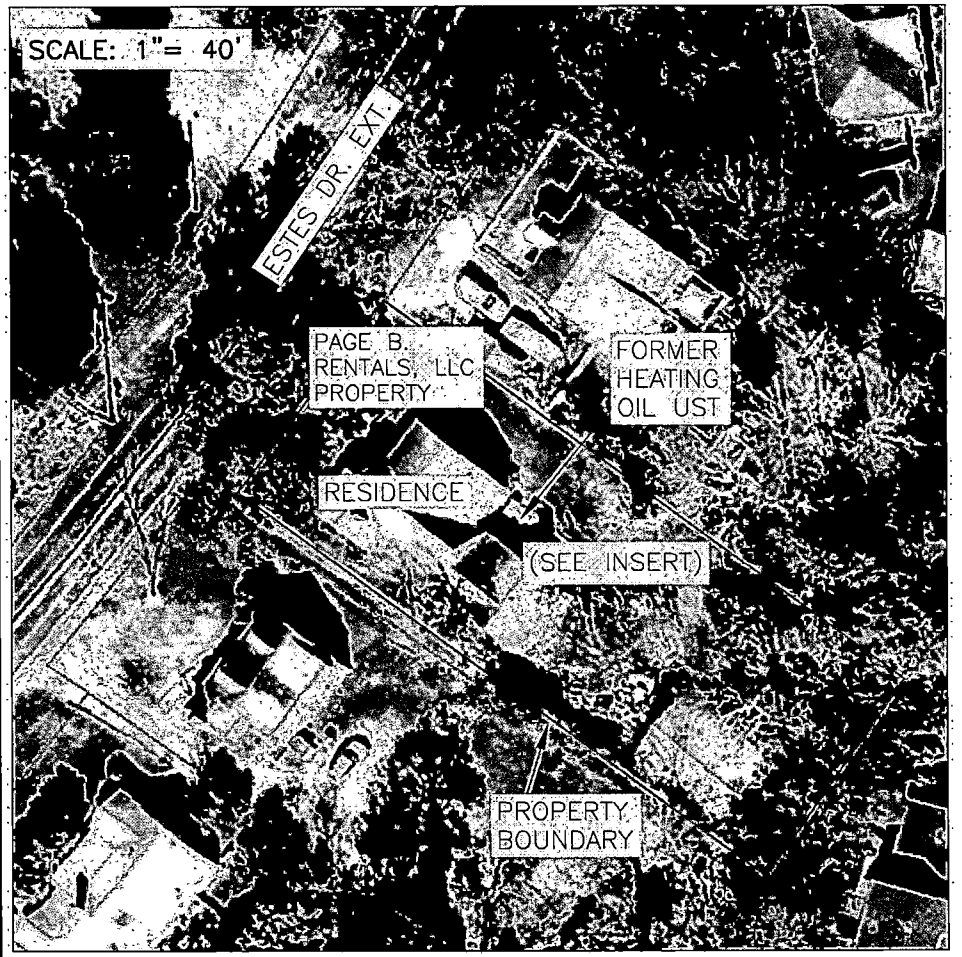
● SOIL SAMPLE LOCATION (SAMPLE DEPTH IN FEET BELOW GROUND LEVEL)

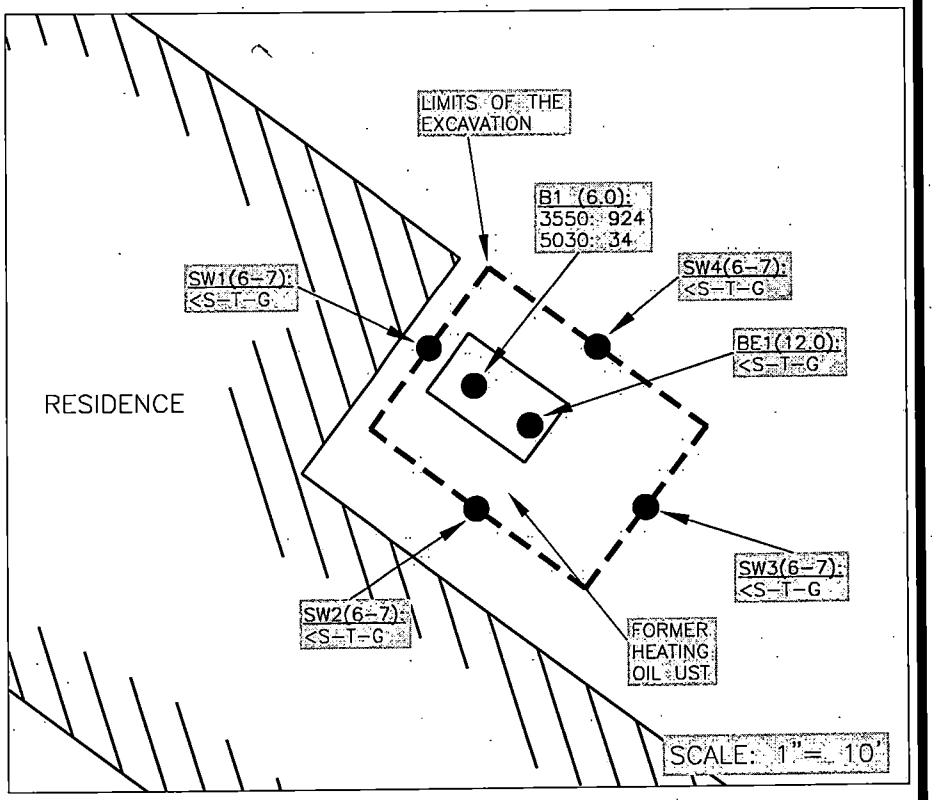
SW AND BE SOIL SAMPLES ANALYZED BY EPA 8260, 8270 BNA, & MADEP VPH/EPH.
B1 SOIL SAMPLE ANALYZED BY TPH 3550 (DRO) & TPH 5030 (GRO).

<S-T-G – NO DETECTIONS ABOVE S-T-G MSCCS
ALL RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

ONLY COMPOUNDS DETECTED AT CONCENTRATIONS GREATER THAN THE S-T-G MSCCS LISTED.
RED UNDERLINED CONCENTRATIONS ARE GREATER THAN RESIDENTIAL MSCCs.

SEE TABLE 2 FOR A COMPLETE LISTING OF DETECTED COMPOUNDS.





SITE LAYOUT &
CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

APPENDIX A

Ferguson's Backhoe, Hauling, & Miscellaneous Welding
1119 Hatch Rd
Chapel Hill, NC

Ferguson's Backhoe, Hauling, & Miscellaneous Welding degassed, cut opened and cleaned out one 550-gallon heating oil UST removed at the Page B. Rentals, LLC property located at 124 Estes Drive Extension in Carrboro, Orange County, NC in accordance with all North Carolina and Federal Regulations. The UST was then cut up and the scrape iron was sent to Orange County Landfill in Chapel Hill, NC. No residual liquid was observed in the UST during closure activities.

NCDENR

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr, Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wigfield, approve the further excavation of 15 ~~cubic yards~~ tons of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraquest, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL_mooresvlm 1.1R1114.dot

Earthtec of NC, Inc.
PO Box 130
Sanford, NC 27331-0130
Phone: 919.774.4517
Fax: 919.776.6415

CERTIFICATE OF ACCEPTANCE AND DISPOSAL

ISSUED TO: TerraQuest Environmental Consultants, P.C.

ADDRESS: 100 E. Ruffin Street

ADDRESS: Mebane, NC 27302

DATE: July 12, 2015

Earthtec of NC, Inc. hereby accepts full responsibility and liability for 63.54 tons of contaminated soil from:

Page B Rentals

Earthtec of NC, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environmental and Natural Resources for clean soil.

Earthtec of NC, Inc.

By:_____M. Scott Keller_____
M. Scott Keller, President

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31798
INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 1
Consultant: Teraquest	Contact: Jonathan Gubbs
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6547
Transporter: Ferguson	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight:
	Tare Weight:
	Net Weight: 22560 lb TR RECALLED 27880 lb NT
	06/29/15 12:03

13.94 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Gubbs of Teraquest J. Pres 6/29/15
Generator / Agent Signature Per Page Rentals Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

PUBLIC WEIGHMASTER
EXPIRES JUNE 30

32 ID. NO.

54380 lb GR
22560 lb TR RECALLED
31820 lb NT

06/29/15 15:18

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 2
Consultant: Terraquest	Contact: Jonathan Cubbs 919 [illegible]563-909
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973 - 953 - 6547
Transporter: Fergusons	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Used Oil	Waste Origination: 124 Estes Dr. Carrboro, NC
Truck #: F-4	Gross Weight: 54380
	Tare Weight: 22560
	Net Weight: 31820
	TON 15.91

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Cubbs of Terraquest for Page B Rentals 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: _____ Date: 6-29-15

32

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

Joe F Holder

32 ID. NO.

54520 lb GR
22560 lb TR REDALLED
31960 lb NT

06/30/15 09:10

NON-HAZARDOUS WASTE MANIFEST

Project Number: 0615	Load Number: 3
Consultant: Teraquest	Contact: Jonathan Gibbs 919 563-9091
Generator: Page B Rentals	Contact: George Knight Phone: 973 953-6547
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr Carrboro NC
Truck #: F-4	Gross Weight: 54520
	Tare Weight: 22560
	Net Weight: 31960
	15.98

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gibbs of Teraquest for Page B. Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-30-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLTER 31798
VALID UNLESS SIGNED

32 ID. NO.

57980 lb GR
22560 lb TR RECALLED
35420 lb NT

06/30/15 10:32

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 4
Consultant: Terraquest	Contact: Jonathan Gubbs 919 563-9091
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6549
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Healy 0:1	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight: 57980
	Tare Weight: 22560
	Net Weight: 35420
	17.71 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gubbs of Terraquest for Page B Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/2015
Drivers Signature Date

Noted Discrepancies: _____

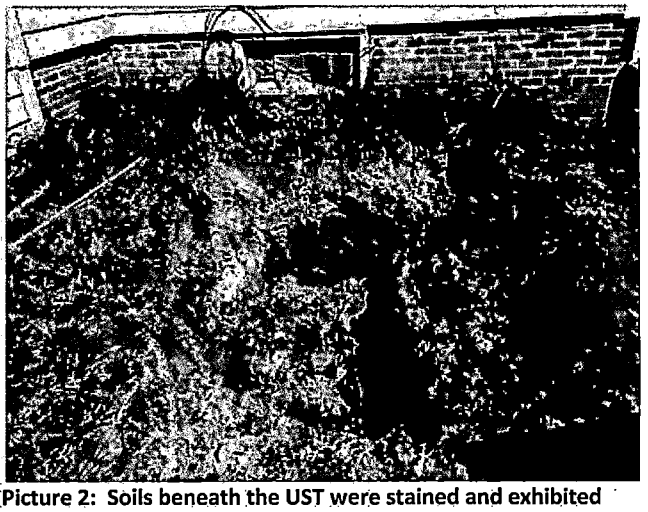
Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Franklin Holder Date: 6-30-15

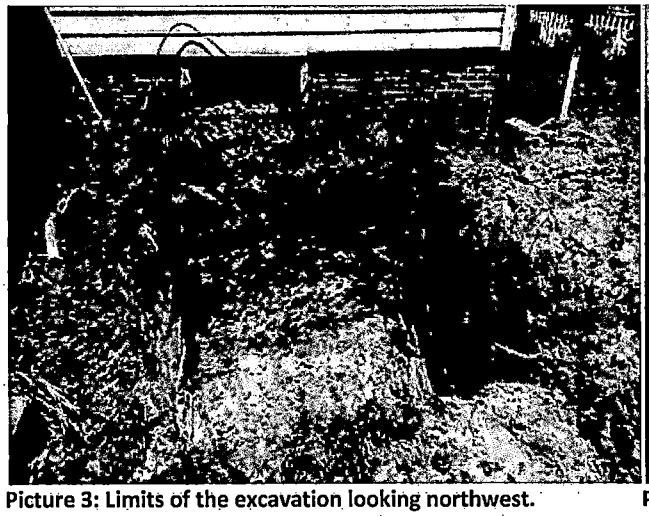
APPENDIX B



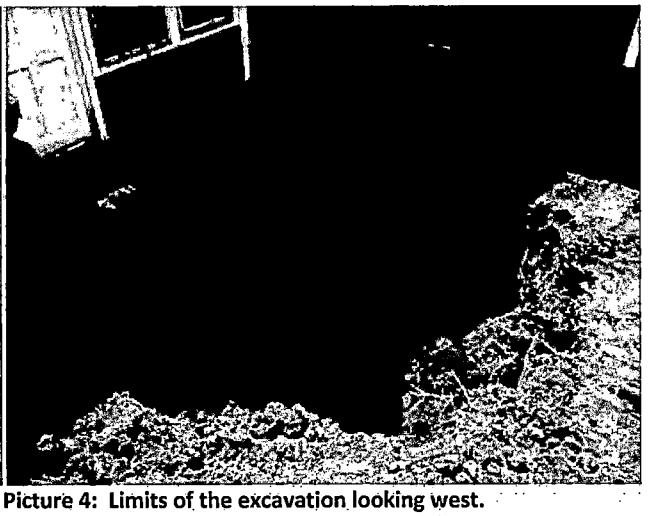
Picture 1: The UST at 124 Estes Drive Ext. contained numerous holes along the bottom, sides, and seams.



Picture 2: Soils beneath the UST were stained and exhibited a petroleum odor.



Picture 3: Limits of the excavation looking northwest.



Picture 4: Limits of the excavation looking west.

APPENDIX C

TECHNICAL METHODS/STANDARD PROCEDURES

Equipment Decontamination

All soil sampling equipment utilized during site assessment activities is decontaminated according to standard and accepted protocol. Cleaning solutions range from clean potable water to acidic solutions or organic solvents depending on the contaminants present at the site. Equipment utilized at sites, such as hand augers, contaminated with petroleum hydrocarbons, is generally decontaminated with a low-sudsing detergent such as Luiquinox® and triple rinsed with distilled water. Larger equipment, such as drill rigs and associated tools, is steam cleaned. All decontamination procedures are completed within an established decontamination area which is located away from the active study area. Frequency of equipment decontamination depends on the nature of work being performed, but in no case is decontamination performed less frequently than once per test (i.e., soil boring, well installation, sample collection, etc.). Equipment blanks are collected as a quality control measure when required by job specifications.

Soil Boring Installation

Soil borings are completed using hand-operated sampling tools, truck-mounted drills, or Geoprobe® drilling rigs depending on the depth of sample collection and other site-specific conditions. Hand operated stainless-steel bucket augers are utilized to collect soil samples at regular intervals to determine site stratigraphy and to test for the presence of volatile organic compounds. Samples retrieved from the hand auger are necessarily disturbed during the augering process, but can provide accurate information on soil type and contaminant concentrations when properly interpreted. Soil samples from hand augered borings are generally retrieved at one to two foot intervals.

Truck-mounted or Geoprobe® drilling equipment is often utilized when sample retrieval depths exceed twenty feet or subsurface conditions prevent utilization of hand augers (i.e., buried rocks, wood, bricks or other materials occur in the subsurface). Truck-mounted drilling rigs usually retrieve soil via a hollow-stem auger/split spoon collection method. Geoprobe® rigs usually employ a Macro-Core® tube retrieval system.

Hollow stem augers provide relatively undisturbed 2-foot cores of soil samples. Soil samples are generally collected at five foot intervals utilizing standard penetration test procedures as defined by the American Society for Testing and Materials (ASTM) or are pushed to the desired depth using the head of the drill rig. The standard penetration test involves driving a 2" outside diameter by 1-3/8" inside diameter split-spoon sampler a minimum distance of one foot with a 340-lb. slide hammer falling a distance of 30 inches.

A Geoprobe® rig is a hydraulically-powered soil probing machine. The probe utilizes static force and percussion to advance a small diameter sampling device into the subsurface. The sampling apparatus provides relatively undisturbed 5-foot cores of soil samples. Soil samples are collected

continuously. The Macro-Core® tube contains an inserted poly-vinyl chloride (PVC) liner which retains the soil sample as the tube is driven into the ground. The Macro-Core® tube is decontaminated between each 5-foot sample interval in a soil boring using a Liquinox and tap-water mixture. A new PVC liner is used to collect soil from each sample interval in a soil boring.

Soil samples retrieved from the hollow-stem augers or Geoprobe are then carefully described according to the Unified Soil Classification System. Soil descriptions are recorded on a soil boring log.

Soil Sampling

Soils to be analyzed by a North Carolina-certified laboratory are prepared according to the specified analytical method. Initially, soil samples are removed from the ground using either a hand auger, backhoe bucket, spilt spoon auger, or a Macro-Core® sampling tube. During the removal, care is taken to keep the disturbance of the soil structure to a minimum to reduce the loss of contaminants. Once removed, the samples are placed in the proper sample container for the specified analytical method. For samples collected for the MADEP VPH and 8260 method, a TerraCore® sampler is used to collect three 5-gram allotments of soil. All three allotments are placed in methanol-preserved 40 mL vials. Also, two 5-gram allotments of soil are placed into sodium bisulfate-preserved 40 mL vials (5-gram each vial) for the 8260 low concentration method. A 250-mL glass jar of the sampled soil is also collected to provide moisture content information. Soils sampled for MADEP EPH, EPA Methods 8270 and TPH 5030 and 3550 are placed in a 250-mL glass jar. TPH 5030 samples are preserved in methanol similar to the 8260 analysis. Field personnel wear new, disposable latex gloves during the collection of each sample.

The soil samples are labeled with the sample location, sample identification, date and time of collection, and the analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

If the soil is being sampled for volatile or semi-volatile compounds, a portion of the collected soil is placed in a sealable bag and screened for volatile organic vapors. Head screening procedures are described in the following paragraph.

Headspace Screening

Collected soil samples are routinely tested for the presence of volatile organic compounds (VOCs). After retrieval from the ground, a portion of a soil sample is placed in a sealable plastic bag. The soil samples are then set aside for approximately five minutes so that volatile constituents present in the sample can reach equilibrium concentrations with headspace gases in the bag. Once a suitable time period has passed, the probe of the sampling instrument, typically an Organic Vapor Monitor (OVM) or a Photo Ionization Meter (PID), is inserted into the bag and the relative concentration of total VOCs is measured and permanently recorded in a field note book. VOC concentrations are measured using either a Thermo Electron Corp. Innova Series catalytic OVM or

an Ion Science PhoCheck PID. Both the OVM and PID instrumentation are periodically calibrated according to the manufacturer's recommended procedures.

The OVM and PID are qualitative tools employed to detect and estimate the concentration of organic or hydrocarbon vapors. A thin probe is inserted through a small break in the seal of a bagged soil sample. For the OVM, an air sample from the headspace of the bag is drawn through the probe into an internal chamber where the vapors are catalyzed. The concentration of the VOCs is registered on a digital scale in parts per million (ppm). For the PID, an air sample from the headspace of the bag is drawn across the face of a lamp causing the sample to emit photons, the presence of which are converted into a VOC ppm reading that is displayed. Oxygen levels are field calibrated prior to each use. VOC calibration occurs periodically depending upon use by using a span gas of known concentration in a process recommended by the manufacturer.

Well Installation/Construction

Monitoring wells are installed using hand-operated sampling tools, a truck-mounted drill rig, or a Geoprobe drilling rig depending on the depth of well and other site-specific conditions. All monitoring wells are installed according to the requirements of 15A NCAC 2C-Well Construction Standards. Specifically, individual monitoring wells are constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad is installed for each well.

Type II Monitoring Well Construction

Single-cased monitoring wells are generally used in delineation of groundwater quality within the surficial aquifer. The wells are constructed of 2-inch diameter, schedule 40 PVC casing and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Type III Monitoring Well Construction

Double-cased monitoring wells are used in the delineation of groundwater quality within a deeper portion of the surficial aquifer or an additional aquifer (e.g. aquitard, bedrock). A four to six-inch outer casing is installed through the surficial aquifer until a sufficient depth or until the deeper aquifer is encountered. The casing is secured with a Portland-grout collar that is tremmied into

the annular spaced from the bottom of the bore hole to the surface. Once the grout has sufficiently cured, the bore hole is continued through the bottom of the outer casing to a depth approximately 15 - 20 feet beneath the outer casing. The inner casing is constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 5 to 10 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with the same Portland grout mixture used in the outer casing. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Well Development

Following installation of each well, surging and pumping or bailing techniques will be used to remove fines from the screened interval. Groundwater is removed from each well until clear water is retrieved or a noticeable reduction in the amount of silt is achieved. Purged groundwater is disposed of in an environmentally safe manner.

Groundwater Sampling

Petroleum Sites

Groundwater samples are collected from temporary or permanent monitoring wells according to established sampling protocol. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known. When permanent monitoring wells for petroleum sites are sampled, the well is purged of a minimum of three well-bore volumes prior to sample collection in order to assure that sampled water is representative of aquifer conditions. In temporary wells, the first water which migrates into the open borehole is sampled. Samples from both temporary and permanent monitoring wells are collected using individually wrapped disposable polyethylene bailers by field personnel wearing disposable latex gloves. Only one well is sampled with a given bailer in order to prevent sample cross-contamination. During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different samples to reduce the chance of cross-contamination. Water samples are transferred from the bailer to laboratory-prepared sampling containers using slow emptying devices to reduce the chance of contamination loss through volatilization. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Other Groundwater Sampling Protocols

When required by state or federal regulations, low-flow groundwater sampling procedures are instituted. Groundwater samples collected in low-flow situations are collected using a peristaltic pump. A peristaltic pump is a type of positive displacement pump. The fluid is contained within a flexible tube fitted inside a circular pump casing. A rotor with a number of rollers attached to the external circumference compresses the flexible tube. As the rotor turns, the part of tube under compression closes thus forcing the fluid to be pumped to move through the tube. Groundwater parameters such as water level drawdown, pH, conductivity, dissolved oxygen (DO) and turbidity. Pumping rate, drawdown, and the time or volume required to obtain stabilization of parameter readings can be used as a future guide to purge the well. Measurements are collected at a pre-pumping established interval (typically five to ten minutes). Once all or a majority of the parameters have stabilized for three successive readings, stabilization has been achieved. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity, and turbidity or DO. Three successive readings should be within ± 0.1 for pH, ± 3% for conductivity, and ± 10% for turbidity and DO.

Upon parameter stabilization, sampling is initiated. Sampling flow rate is maintained at the established purge rate or is adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. The same device used for purging is used to collect the groundwater sample. Generally, volatile parameters are sampled first. The sequence in which samples for inorganic parameters are collected is not determined unless filtered (dissolved) samples are collected. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different monitoring wells or sampling points to reduce the chance of cross-contamination. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known.

Stockpile Sampling

The number of composite samples collected from a stockpile or a total quantity of excavated soil is based upon the cubic yardage. One composite sample is collected for every 100 cubic yards of contaminated soil excavated. The volume of a stockpile or total quantity of excavated soil is calculated by approximating the general geometry of a stockpile or estimating the capacity of the dump trucks used for hauling. If a stockpile is sampled, a grid pattern is laid out on the stockpile, dividing the stockpile into segments of approximately 200 cubic yards. Two soil borings are

advanced within a grid and three soil samples are collected from each soil boring at various depths. The six soil samples are mixed into a composite sample by a trained TerraQuest technician. If truck loads are sampled, an aliquot sample is collected from the hauling trucks at a frequency based upon the capacity of the hauling trucks.

Aliquots are gently mixed into a composite sample by a trained TerraQuest technician. Every effort is made to minimize the loss of contaminants through volatilization. The composited soil samples are jarred in the appropriate laboratory-prepared containers, labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, and the preservative. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Surface Water Sampling

Surface water samples, specifically samples from creeks or streams, are collected from a moving/flowing portion of the creek or stream to ensure that stagnant water is not collected. Field personnel are careful to collect samples from flowing areas that are not so turbulent as to cause a loss of volatile contaminants which might have been contained in the creek's/stream's water. Samples are collected by field personnel wearing disposable latex gloves. Field personnel change gloves between different locations to reduce the chance of cross-contamination. Samples are collected directly from the appropriate creek or stream location and placed into the appropriate laboratory-prepared containers. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are cooled on ice to approximately four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Potable Well Sampling

Groundwater samples from potable wells are collected from sampling points, typically spigots, located in the closest proximity to the potable well pump house as possible. Prior to sample collection, the water is run for a sufficient amount of time to purge the bladder tank and assure that sampled water is representative of aquifer conditions. Once purged, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers and the appropriate acid preservatives are added if preservation of the sample is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Public Water Supply Line Sampling

Groundwater samples from public water supply lines are collected from sampling points, typically spigots. To sample the spigot, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers. The samples are labeled with the sample location, sample identification, date of collection, time of collection, and required analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Air Sampling

Air samples are collected with the aide of a manually operated MityVac® pump manufactured by Pristech, Inc. The air sampling process begins by connecting a length of rubber hose from the MityVac® pump to the port to be sampled, or by hanging the hose inside of an emissions stack in such a manner as to ensure no outside air causes dilution. Another length of hose is fixed to the outlet port of the pump and is connected to a new Tedlar bag. Once the pump is hooked up, a valve on the Tedlar collection bag is opened and air is manually forced into the bag by the pumping action of sampling personnel.

Field Measurements

Field measurements taken to determine the pH, conductivity, temperature, and dissolved oxygen concentration of a particular groundwater sample are taken directly after a particular monitoring well has been adequately purged. This ensures that the groundwater parameter data collected is representative of the aquifer conditions at a given location. Once purging of the monitoring well is complete, the decontaminated probe head and cord of the appropriate unit is lowered into the required monitoring well. If the depth to water in a specific monitoring well is greater than the length of cord for a particular unit, a new, disposable bailer is slowly lowered into the appropriate monitoring well and a representative groundwater sample is retrieved. A slow pouring device is fitted onto the end of the disposable bailer and the sample is slowly poured into a new, disposable plastic cup. Groundwater parameter data are then collected from the groundwater in the cup using the required unit.

For pH, conductivity, and temperature, a Hanna Instruments Model 991300 portable meter is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves lowering the meter's probe into the new, disposable cup containing the groundwater sample to be measured and slowly stirring the probe to force groundwater across the probe's membrane. The measurements displayed by the meter are then recorded.

For dissolved oxygen concentration measurements, a YSI® Model 55 Handheld Dissolved Oxygen System is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves adjusting the unit for the correct altitude where the sampling will take place and adjusting the reported units desired. Once this is done, the unit's probe is inserted into the groundwater sample to be measured and the probe is slowly stirred to force the groundwater across the probe's membrane. The measurements displayed by the unit are then recorded.

For turbidity measurements, a Hach 2100P Portable Turbidity meter or equal equivalent is utilized. The unit is calibrated prior to use in accordance with the unit's operations manual by field personnel. Groundwater samples are collected in glass containers for measurement by the instrument. The glass containers are washed with bottled-water between each measurement collection. Once the sample is collected and inserted into the instrument, the measurements displayed by the instrument are then recorded.

APPENDIX D

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

July 15, 2015

Mark Powers
NCDWM-UST Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

RECEIVED
SEP 10 2015
NC DENR Raleigh Regional Office

Re: 20-Day Report Letter
Page B. Rentals, LLC Property
124 Estes Drive Ext.
Carrboro, NC 27510
Terraquest Project Number: 04615
NCDWM-UST Incident No.: 39750

Dear Mr. Powers:

Terraquest Environmental Consultants, P.C. (Terraquest) has completed this 20-Day Report letter summarizing the discovery of a release of heating oil discovered from a 550-gallon heating oil underground storage tank (UST) located at 124 Estes Dr. Ext. in Carrboro, NC. Previously, on June 22, 2015, a Notice of Residual Petroleum (NORP) had been filed with the Orange County Register of Deeds. The NORP was filed under the previous property owner's name (Robertson). The release incident currently has a NCDWM-UST Release Incident Number of 39750. The purpose of this letter is to document the preliminary assessment and remedial activities performed at the residence by Terraquest. The attached Figure 1 depicts the location of the property.

On June 29, 2015, Terraquest personnel determined the location of the UST to be off the northern side of the residence. The UST was buried approximately 16 inches below ground level (BGL). Prior to the UST removal, the UST was gauged for residual liquid. Approximately 3 inches of residual liquid composed of water remained in the UST. Prior to the UST removal, the residual liquid was removed from the UST by Zebra Industrial of High Point, NC and disposed of offsite. After removal of the UST, Terraquest personnel noted the UST had numerous holes throughout the sides, seems, and bottom of the UST. A heating oil odor and grey staining were noted in the soils underlying the UST. Terraquest personnel identified a yellowish-orange/grey sandy lean clay with fine sand from 0.5 feet to 6 feet BGL and a yellowish-orange saprolite with the soil characteristics of a sandy clay/clayey sand from 6 feet to 12.0 feet BGL. Terraquest personnel collected a soil sample (B1) immediately beneath the UST to document the release incident at a depth of 6.0 feet BGL.

Using standard North Carolina Division of Waste Management - UST Section (NCDWM - UST) soil sampling protocol, the B1 soils were placed in laboratory-prepared containers and labeled with the sample identification, sample analytical method, and sample time. The soil sample was placed on ice pending transportation to a North Carolina-certified environmental laboratory within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for the collected

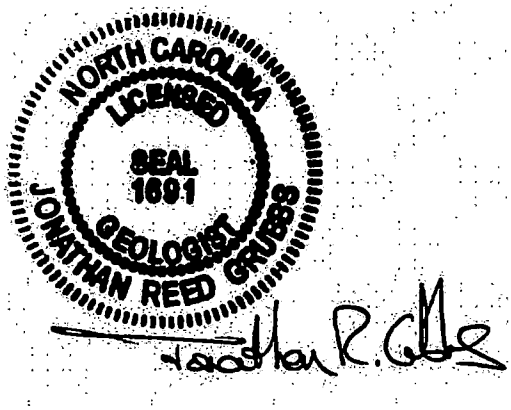
sample. Since the UST was used to store heating oil, the soil sample was analyzed for heating oil petroleum constituents by EPA Method 8015 using extraction method 3550 (heating oil) and sample preparation method 5030 (gasoline). The B1 soil sample analytical results revealed the presence of heating oil contamination at concentrations greater than the NCDWM-UST action limits of 10 milligrams per kilogram (mg/kg). The analytical results are summarized in the attached Table 1.

Terraquest supervised the excavation of contaminated soils beneath the UST. Soil excavation continued until either the odor and/or staining dissipated. After all of the soil contamination was excavated, soil samples were also collected from the base and sidewalls of the limits of the final excavation for analysis by EPA Methods 8260 + MTBE + IPE and 8270 and Massachusetts Department of Environmental Protection VPH/EPH. The soil excavation and limit of excavation soil sampling activities will be summarized in the Initial Abatement Action Report to be submitted to the NCDWM-UST.

Under current NCDWM-UST UST Closure Guidelines (Section 4.2), the suspected release incident from the non-commercial UST was reported to the Raleigh Regional Office of the NCDWM - UST Section on a previous date by telephone. A copy of the 24-Hour Reporting Form is attached. If you have any questions regarding this letter, please call me at (919) 563-9091.

Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jonathan R. Grubbs, P.G.
Vice President

Attachments
Table 1: Summary of Soil Sampling Results
Figure 1: Site Location Map
Figure 2: Site Layout and Closure Soil Sample Location Map
Analytical Results
24-Hour Reporting Form

Table 1 SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15 Incident Name: Page B. Rentals, LLC Property - 124 Estes Dr Ext. Incident No.: 39750 Facility ID No.: NA

		Analytical Method	5030/GRO	3550/DRO
		Contaminant of Concern	TPH high fraction	TPH low fraction
Sample ID	Date Collected	Sample Depth		
B1	6/23/15	6.0'	**34**	**924**
		TPH Action Level	10	10

Notes:

1. All results in mg/kg.
2. < - denotes less than sample detection limit.
3. Bold denotes a sample detection. Shading denotes a TPH Action Level violation.
4. "X" = In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

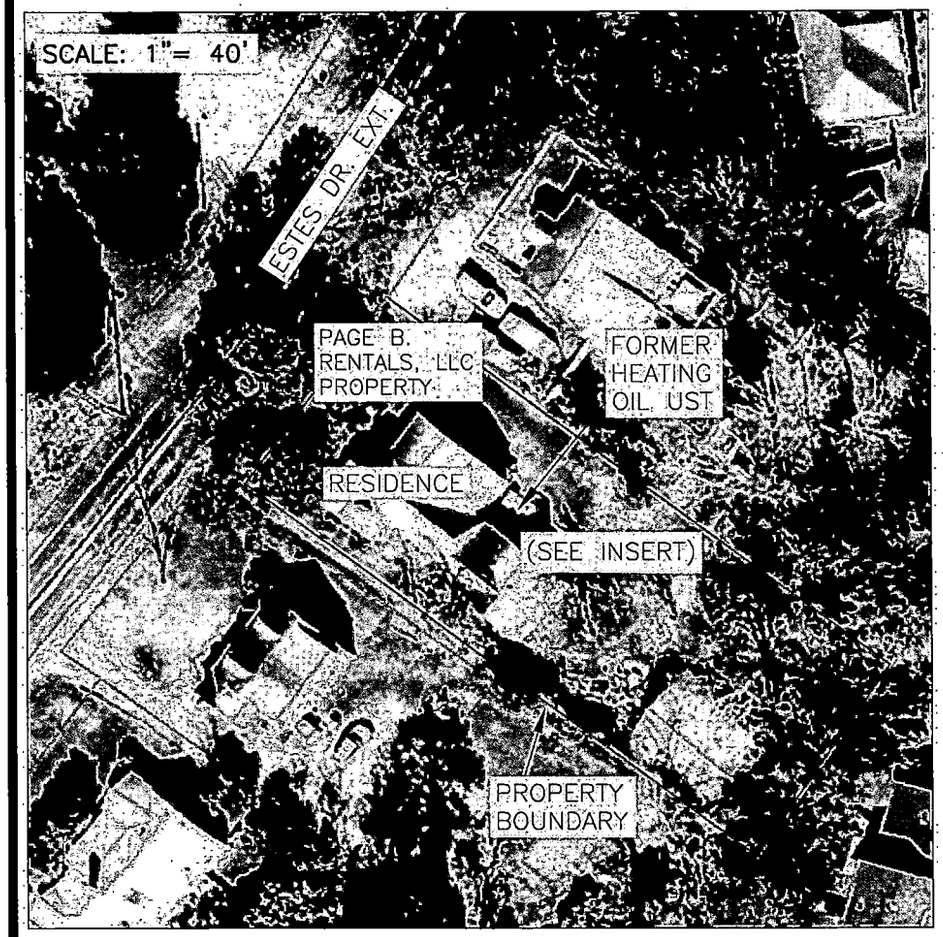
PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

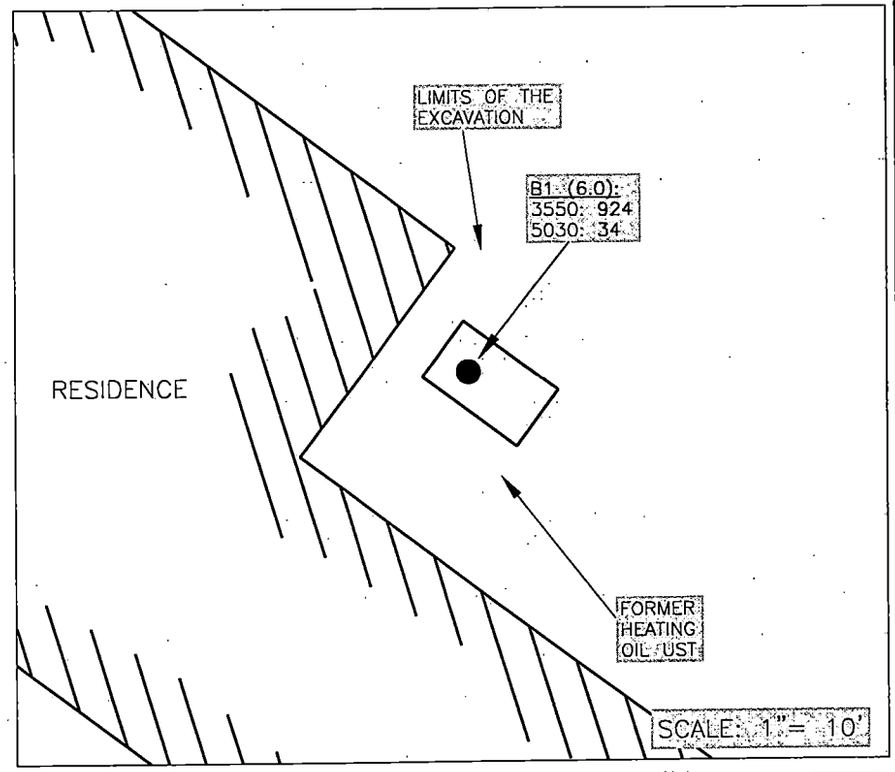
LEGEND

● SOIL SAMPLE LOCATION

SOIL SAMPLE B1 ANALYZED BY TPH DRO (3550) & TPH GRO (5030)

RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).





SITE LAYOUT &
CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client





6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

XENCO Laboratories
Florida Testing Services, LLC

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

\+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

XENCO Laboratories
Florida Testing Services, LLC

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

XENCO Laboratories
Florida Testing Services, LLC

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **B1 (6.0)** Matrix: Soil Date Received:07.01.15 10.01
Lab Sample Id: 510685-001 Date Collected: 06.29.15 09.45 Sample Depth: 6.0 ft

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Tech: VBR % Moisture: 39.54
Analyst: CLAR Date Prep: 07.01.15 10.15 Basis: Dry Weight
Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Tech: ZHO % Moisture: 39.54
Analyst: ZHO Date Prep: 07.01.15 18.28 Basis: Dry Weight
Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1

6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: Terraquest Environmental Consultants, P.C.
Address: 100 E. Ruffin Street, Mebane, NC 27302
Results Sent to: Jonathan R. Grubbs
Email address: jrgrubbs@terraquestpc.com
Contact Phone #: 919-563-9091 Cell#: 919-906-0707
Project Name (Site): 124 Estes Dr. Carrboro NC
Project Number (ID): 04615
Regulatory Program: NCDWM-UST

Receiver's Initials/Temp: ____ / 1.4°C
Custody Seal(s): ___ Y N Lab Work Order # 510685
P.O.# (if required): 04615
Field Comments / Lab Precautions:

Sampler(s): (signature) Jonathan R Grubbs
Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	Container Type:	VC	GA	VC	GA	VC	GA											
								Chemical Preservation Code:	7	7	7	7	7												
								Analysis Requested	TPH 8030	TPH 3550	8260	8270 BNA	VPH	EPH											
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3		X	X															
2	SW1 (6-7)	6-7	6/29/15 1102	S		X	6				X	X	X	X											
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6				X	X	X	X											
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6				X	X	X	X											
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6				X	X	X	X											
6	BE1 (12.0)	12.0	6/29/15 1500	S		X	6				X	X	X	X											
7	Trip Blank	—		GW			1																		
8																									
9																									
10																									

1) Relinquished By:	Date / Time	2) Received By:	Date / Time	Delivered by: (Circle One)
Jonathan R. Grubbs	6/30/15 1310	Received	07/01/15 10:01	(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other
3) Relinquished By:	Date / Time	4) Received By:	Date / Time	Turnaround Time (business days)
5) Relinquished By:	Date / Time	6) Received By:	Date / Time	TAT Starts when samples are rec'd by 2PM

___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)
Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH
Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Sample instructions complete on Chain of Custody?	Yes
#9 Any missing/extra samples?	No
#10 Chain of Custody signed when relinquished/ received?	Yes
#11 Chain of Custody agrees with sample label(s)?	Yes
#12 Container label(s) legible and intact?	Yes
#13 Sample matrix/ properties agree with Chain of Custody?	Yes
#14 Samples in proper container/ bottle?	Yes
#15 Samples properly preserved?	Yes
#16 Sample container(s) intact?	Yes
#17 Sufficient sample amount for indicated test(s)?	Yes
#18 All samples received within hold time?	Yes
#19 Subcontract of sample(s)?	No
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	Yes
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	N/A
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

UST-61 — 24-Hour Release and UST Leak Reporting Form.

For Releases in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release

(DWM USE ONLY)
Incident # _____ Risk (H,I,L,U) _____
Received On _____ Received By _____
Reported by (*circle one*): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination ?(Y/N) Y
Samples Taken?(Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest Thickness _____

Facility ID Number NA
Date Leak Discovered 7/8/15 (Lab)
Comm/Non-Commercial? Non-Comm.
Reg/Non-regulated? Non-Reg

INCIDENT DESCRIPTION

Incident Name: Page B. Rentals, LLC Property (Formerly Robertson Property Incident # 39750)

Address: 124 Estes Drive Extension — County: Orange

City/Town: Carrboro — Zip Code: 27105 — Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 35.919460 N Longitude (decimal degrees) : -79.072649 W

Obtained by:
- ☐ GPS
- ☐ Topographic map
- ☑ GIS Address matching
- ☐ Other
- ☐ Unknown

Describe location:

Briefly describe suspected or confirmed release: *(including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)*

Release detected during the removal of a heating oil UST
The date and amount of the release is unknown.
No free product was detected during the boring

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Release Detection Equipment or Methods
- ☑ During UST Closure/Removal
- ☐ Property Transfer
- ☐ Visual/Odor
- ☐ Water in Tank
- ☐ Water Supply Well Contamination
- ☐ Groundwater Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release *(Check one to indicate primary source)*
- ☑ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other
- ☐ Unknown

Definitions presented on reverse

Cause of Release *(Check one to indicate primary cause)*
- ☐ Spill
- ☐ Overfill
- ☑ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Install Problem
- ☐ Other
- ☑ Unknown

Definitions presented on reverse

Type of Release *(Check one)*
- ☑ Petroleum
- ☐ Non-Petroleum
- ☐ Both

Location *(Check one)*
- ☐ Facility
- ☑ Residence
- ☐ Other

Product Type Released *(Check one to indicate primary product type released)*
- ☐ Gasoline/ Diesel/ Kerosene
- ☑ Heating Oil
- ☐ Other Petroleum Products
- ☐ Metals
- ☐ Other Inorganics
- ☐ Other Organics
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☐ E10 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ E01 – E09

Ownership
1. Municipal 2. Military 3. Unknown (4. Private) 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. (Residential) 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

IMPACT ON DRINKING WATER SUPPLIES

Water Supply Wells Affected? 1. Yes 2. No 3. (Unknown)

Number of Water Supply Wells Affected _____

Water Supply Wells Contaminated: (*Include Users Names, Addresses and Phone Numbers. Attach additional sheet if necessary*)

1.
2.
3.

UST SYSTEM OWNER

UST Owner/Company

Point of Contact		Address	
City	State	Zip Code	Telephone Number

UST SYSTEM OPERATOR

UST Operator/Company		Address	
City	State	Zip Code	Telephone Number

LANDOWNER AT LOCATION OF UST INCIDENT

Landowner		Address	
Page B Rentals, LLC c/o George Knight		1249 Kildaire Farm Road	
City	State	Zip Code	Telephone Number
Cary	NC	27511	

Draw Sketch of Area (showing two major road intersections) or Attach Map

See Attached Figure

Person Reporting Incident Jonathan Grubbs	Company TerraQuest Environmental Consultants, P.C.	Telephone Number 919-563-9091
Title Vice President	Address 100 East Ruffin St. Mebane, NC 27302	Date 7/15/15

Definitions of Sources

Tank: means the tank that stores the product and is part of the underground storage tank system

Piping: means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

Submersible Turbine Pump (STP) Area includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

Other: serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

Definitions of Causes

Spill: use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser)

Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser)

Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken components, and components that have changed dimension)

Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

Other: use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells)

Unknown: use when the cause has not been determined



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

INC#39760 MRP

COPY

NOTICE OF RESIDUAL PETROLEUM

Charles and Frankie Robertson Property, Orange County, North Carolina

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and/or discharged at the Site. **Petroleum constituents remain on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, are strictly complied with.** This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum, and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the Orange Register of Deeds' office Book ____, Page ____.

Source Property

Charles Robertson of Mebane, NC is the owner in fee simple of all or a portion of the Site, which is located in the County of Orange, State of North Carolina, and is known and legally described as:

All that certain lots or parcels of land situated, lying and being on the East side of Hillcrest Street in the Town of Carrboro, N.C. and known and designated as Lots Nos. 43, 44 and 45 in Block A of the subdivision of the W.G. Fields property as surveyed by J. Ralph Weaver, Registered Surveyor on May 23, 1939 and more particularly described as BEGINNING at a stake in the East property line of the said street the northwest corner of Lot No. 42; running thence with the line of the said lot South 58 deg. East 214 feet to a stake in T.C. Lindsey's line; running thence with the said Lindsey's line North 35 deg. 45 min. East 75 feet to a stake, the Southeast corner of Lot No. 46; running thence with the line of the said lot North 58 deg. West 214 feet to a stake in the East property line of the said street; running thence along the East property line of the said street South 40 deg. 20 min. West 75 feet to the BEGINNING and being a part of the same land conveyed to W.B. Glenn by deed of W.G. Fields and wife, dated June 3, 1946 and recorded in the

land conveyed to W.B. Glenn by deed of W.G. Fields and wife, dated June 3, 1946 and recorded in the Office of the Register of Deeds of Orange County in Book 124 at page 84, and also being the same lands conveyed to J. H. Robertson and wife, Kathleen Robertson by W.B. Glenn and wife, Mary S. Glenn by deed recorded in Book 131, Page 307, Orange County Registry.

PERPETUAL LAND USE RESTRICTIONS

Soil: *Soil containing residual petroleum, above applicable regulatory standard(s), remains on the site at/within/etc. In the vicinity of the underground storage tank that is located off the northern side of the main residential structure. No soil shall be excavated or disturbed, within 5 feet of the underground storage tank that is located off the northern side of the main residential structure, except to remediate the soil in accordance with all applicable state and federal statutes, regulations and guidelines.*

Groundwater: *Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.*

ENFORCEMENT

The above land use restriction(s) shall be enforced by any owner, operator, or other party responsible for the Site. The above land use restriction(s) may also be enforced by DENR through any of the remedies provided by law or by means of a civil action, and may also be enforced by any unit of local government having jurisdiction over any part of the Site. Any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF, _____ has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this _____ day of _____, 2015.

By: Charles Glenn Robertson
land owner

Signatory's name typed or printed: Charles Glenn Robertson

NORTH CAROLINA
Alamance COUNTY

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Charles Glenn Robertson

Date: 6/19/2015

(Official Seal)

HOPE WALKER HODGES
NOTARY PUBLIC
ALAMANCE COUNTY, NORTH CAROLINA

Hope Walker Hodges
~~Hope W Hodges~~ pwh
Hope Walker Hodges
Notary Public

My commission expires: July 31, 2016

Revised January 15, 2013

Approved for the purposes of N.C.G.S. 143B-279.11

Mark R Powers

Mark Powers, Regional Supervisor
RALEIGH Regional Office

UST Section
Division of Waste Management
Department of Environment and Natural Resources

NORTH CAROLINA
Wake COUNTY

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Mark Powers *(full printed name of Regional Supervisor)*

Date: 6/22/15

(Official Seal)

MEGAN N. WEBSTER
NOTARY
PUBLIC
ALAMANCE COUNTY, NC

Megan N. Webster
(signature of Notary Public)
Megan N. Webster
(printed or typed name of Notary Public)
Notary Public

My commission expires: June 19, 2016

CLARK,

NRP COPY FOR THE FILE. (REAL ESTATE TRANSFER)

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr., Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wipfield, approve the further excavation of 15 ~~tons~~ ~~cubic yards~~ of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraques +, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL morexcvtn LTR1114.dot

RICHARD BIRCHER
ATTORNEY AT LAW

SUITE D-2 CARR MILL MALL
P. O. DRAWER 338
CARRBORO, NC 27510

TELEPHONES
OFFICE (919) 967-9278
CELL (919) 260-2969
FAX (919) 967-9278
RESIDENCE (919) 929-7363

EMAIL: richbircheratty@bellsouth.net

March 13, 2015

Frankie W. Robertson
C/O Beth Freeman
PO Box 3
Efland, NC 27243

Charles G. Robertson
9419 Morrow Mill Road
Mebane, NC 27302

Re: Peter Gillis; Contract to purchase 124 Estes Drive, Carrboro, NC

Dear Ms. Robertson and Mr. Robertson:

I represent Mr. Gillis in regard to this contract. This is to notify you that my client has elected to terminate the contract as of the above date, which is prior to the due diligence date of March 30, 2015 set out in para 1 (j) on page 2 of the contract. Pursuant to the terms of the contract, Mr. Gillis is entitled to the return of his $2,000.00 earnest money.

The due diligence inspections performed by Mr. Gillis revealed the presence of a large underground oil tank on the property and possible contamination caused by leaking from the tank. The cost of determining the extent of the contamination, if any, and the cost of cleaning it up are unknown and potentially substantial.

Mr. Gillis is still interested in purchasing the property, but would enter into a new contract only on the following conditions: 1. the cost of the testing of the substance contained in the oil tank would have to be paid by you. I have enclosed a copy of the invoice for the test. The results of the test will not be provided to Mr. Gillis until the $500.00 cost is paid. 2. You would have to agree in any such contract to pay the cost of all necessary clean-up and restoration of the property. A new contract would not be possible until more information about those costs is available. Mr. Gillis would be willing to act as on-site coordinator of the project.

Please take the affirmative steps of paying for the testing and contacting me or Mr. Gillis in order to notify him that you are willing to take the necessary steps to sell your property.

Sincerely,

Richard Bircher
cc: Peter Gillis

Sensible Solutions Environmental P.C.

Residential Storage Tank Removal & Cleanup 336-263-0965

RECEIVED
MAY 26 2015
NC DENR Raleigh Regional Office

March 24, 2015

Mr. Peter Gillis
124 Estes Drive Ext.
Carrboro, NC 27510
tenntex919@gmail.com

Reference: **Inspection for Leakage from UST**
124 Estes Drive Ext., Carrboro, NC
Project Number : 15-0324-3

Dear Mr. Gillis,

Per your request, today I inspected the soil in the location of the underground storage tank (UST) on the property referenced above. The UST was located on the left side (as facing) of the house. One end of the tank was located at the south end of the above ground storage tank (AST).

Using a hand auger, a borehole was drilled within inches of the eastern end of the UST. The fill dirt surrounding the tank had a strong odor of fuel oil and was heavily stained. The native, undisturbed soil beneath the UST was lightly stained and emitted a moderate odor of fuel oil. Based on my experience (26 years), the petroleum residual concentration in the soil would easily exceed the State Action Limit of 10 parts per million (ppm). I would estimate the residual concentration in the soil to be in the 1,000s of ppm. Therefore, the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM), UST Section will require the tank/property owner to report the leakage and remove the contaminated soil. **In addition, the property title cannot be conveyed, legally, until the leakage is cleaned up to the satisfaction of the State (issuance of a notice of No Further Action) and/or a Notice of Residual Petroleum (NRP) is recorded with the Orange County Register of Deeds pursuant to NCGS 143B-279.9 and 143B-279.11.**

I have prepared the following description and cost estimate for the scope of work necessary to fulfill the requirements in accordance with NCDENR's *Underground Storage Tank Section Guidelines for Site Checks, Tank Closure. and Initial Response and Abatement for UST Releases* (most recent version, dated March 1, 2007 and including up to Change 5, effective December 1, 2013).

Soil Removal (Trust Fund Non-reimbursable Scope of Work)

The anticipated scope of work involves the following:

1. Underground utilities will be located prior to removing the soil.
2. Sensible Solutions will subcontract a qualified soil remediation contractor to remove the contaminated soil from the property.
3. I am on-site to supervise the removal of the soil and to collect soil samples.
4. The excavation pit will be backfilled the same day.

The estimated subcontracted cost to mobilize the excavation equipment and remove and dispose of the tank an its contents will be **$1,700.00**. Additional expenses for soil cleanup and assessment are provided below. Sensible Solutions and its subcontractors cannot be held liable for any damage to the septic tank, which will have to be traversed in order to get to the tank location.

Soil Cleanup, Assessment, and Trust Fund Rates

Note: the State Trust Fund will not pay for the removal and disposal of the tank and fluid.

For cleanup of the leakage, the State Trust Fund reimburses for my time (project management, site supervision, sampling, and report), soil excavation, disposal, backfill, and sample analyses. This scope of work is billed at the Trust Fund-established rates. Sensible Solutions usually achieves 100% reimbursement. However, the Trust Fund is currently without a source of revenue. **According to a recent Trust Fund financial report, the Fund did receive a 3.5 million dollar stipend last year, used to pay claims processed through October 6, 2014. However, the current fund balance is $204,912 with total obligations of $3,220,754. Therefore, and due to the uncertainty of the Fund's solvency, reimbursement of the eligible costs could take up to a year or longer. plus there is no guarantee that the Fund will remain solvent (SSE cannot guarantee the Fund will be able to reimburse, but SSE can guarantee that 100% of the cleanup and assessment costs will be eligible for reimbursement). *In addition, the State has recently enacted a deductible of $1,000.00 plus 10%, not to exceed $2,000.00.***

The goal of the cleanup is to remove the soil having contaminant concentrations that exceed the applicable cleanup levels. Once that is done, the NCDENR, UST Section will issue a notice of *No Further Action* (NFA) to close out the release incident. Sensible Solutions cannot guarantee that closure of the release incident will be obtained, due to the possibility of gross contamination.

Contingencies

1. If groundwater or bedrock is encountered in the excavation, or if petroleum residuals remain in the unexcavated soil at concentrations exceeding the lowest cleanup level (Soil-to-groundwater Maximum Soil Contaminant Concentrations), a second phase of work, known as the Limited Site Assessment (LSA), will be required. A groundwater monitoring well will have to be installed and sampled. Risk assessment activities and another report will be required. This phase of work will add about $5,000.00 to the project costs, all of which should be eligible for reimbursement. Whether or not this phase will be necessary cannot be known until the tank is removed.
2. Also, there is no guarantee that all of the contaminated soil can be removed. Public notice, well abandonment, and deed recordation of land use restrictions (Notice of Residual Petroleum) may be required, all of which is eligible for reimbursement through the trust fund. The Trust Fund allows $1,600.00 for these tasks.

Payment, and Trust Fund Reimbursement

Due to the questionable solvency status of the State's trust fund for leaking USTs, payment for the tank closure, assessment, and cleanup activities will need to be made from an escrow account. The amount to be initially held in escrow would be **$11,065.00** (this cost is based on 35 tons (two large truckloads, which is about all that could be removed) of soil disposed of; this will cover the tank removal and soil cleanup activities only and not the LSA). A deposit into Sensible Solutions Escrow Account (SunTrust) must be made before the field work is begun.

Payment from the account will be set up such that the payment of the invoice for the non-reimbursable work (**$1,700.00**) will be paid within five days of tank removal. At this time, the weight of the soil excavated and disposed of will be known, so that the total for the reimbursable expenses of the project can be calculated. A statement of payment for the non-reimbursable scope of work will be provided, with the calculated total for the reimbursable expenses and the balance. If more than 35 tons of soil are removed and disposed of, an additional deposit to the escrow account will be required before the tank closure report is finalized and released. If less than 35 tons is disposed of, a refund check will be provided with the report.

Payment of the reimbursement-eligible services (soil excavation, transportation, disposal, soil sample analyses, and consulting services) will be invoiced separately. Payment of the balance due will be made upon completion of the tank closure report (within about 2 weeks of soil removal, the soil analytical results will be available, at which time the tank closure report will be completed). A copy of the report will be submitted to the NCDENR, DWM, UST Section

Raleigh Regional Office. Two copies of the report will be provided to client for client's records and use at closing.

Should additional assessment be required after the soil cleanup (i.e. LSA, well abandonment, public notice, deed recordation), additional deposits to the escrow account will need to be made before such work begins.

Sensible Solutions will prepare and submit the trust fund application and claim paperwork on client's behalf after the closure report has been reviewed by the UST Section.

Summary

Leakage from the former UST was confirmed during my inspection of the soil in the former location of the tank. Based on the strength of the petroleum odor in the soil, the contaminant concentration in the soil easily exceeds the State action limit by a considerable amount, thereby requiring soil cleanup and assessment activities. The estimated cost to complete the initial phase of work (tank removal, soil excavation and disposal, backfilling of the pit, soil sample analyses, and consulting/reporting services) is $11,065.00.

An invoice for the soil inspection is attached. Thank you for the opportunity to be of service. I know that all of this can be complicated and confusing, so if you have any questions, please do not hesitate to call me at 336-376-6103 (office/fax) or 336-263-0965 (cell).

Sincerely,

Mark Hosler



Mark Hosler, North Carolina Licensed Geologist, SSE President
P.O. Box 3074, Chapel Hill, North Carolina 27515-3074
mark@sensible-solutions-environmental.com

RECEIVED
MAY 26 2015
NC DENR Raleigh Regional Office

May 21st 2015

To: Whom It May Concern

From: Peter Gillis

I feel it is my civic responsibility to report the Underground Storage Tank referenced in the enclosed sealed document from a North Carolina Geologist who tested the soil for me.

I had to back out from purchasing the property because the owner refused to accept responsibility. The owner's family built the home in 1942 and the tank has been breached for perhaps decades. It appears soil has been dumped in decades ago in a failed attempt to hide the problem also. That is evident looking at the ground elevation. Not natural soil to the area.

The owners plan to find someone else with cash in hand to unload their problem.

I have read the laws and this is just pointblank the wrong thing for them to do.

Thus the reason to inform people that can stop the public from being a victim to this man. He has cost me a very large sum of money and I hate to see it happen to anyone else.

The home is really not safe to live in. The plumbing and electrical services are both defective. Water leaks into the breaker box and sewage builds up in the crawl space basement area. The sump pump has been broken for months and the landlord refused to repair anything after multiple requests.

Sincerely,
Peter Gillis
133A Allendale Dr.
Pittsboro, NC 27312

MAILED

MAY 28 2015

NCDENR

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

May 26, 2015

Attn: Charles G Robertson &
Frankie W Robertson
705 Ashbury Square
Mebane, NC 27302

Re: Notice of Regulatory Requirements
15A NCAC 2L .0404 and 2L .0405
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Robertson Property UST
124 Estes Drive Ext., Carrboro, NC
Orange County
Incident Number:39750
Risk Classification: Pending
Ranking: Pending

Dear Mr. & Ms. Robertson:

Information received by this office of the UST Section, Division of Waste Management, on May 26, 2015 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner or operator of this UST system. Therefore, as a responsible party, you must comply with the initial response and abatement action requirements of Title 15A NCAC 2L .0404 and, if applicable, the assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rules. (Be aware that if the latter rule is applicable, you must comply with its requirements even if you do not receive formal notification from the UST Section.)

Initial abatement action requirements include the preparation and submittal of an Initial Abatement Action (IAA) Report, in accordance with Title 15A NCAC 2L .0404 and the most recent version of the *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases,* within 90 days of discovery of the release.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the UST Section Trust Fund Branch at (919) 707-8171. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely,

Clark Wipfield, L.G.
Hydrogeologist
Raleigh Regional Office
UST Section, Division of Waste Management, NCDENR

Enclosures: Title 15A NCAC 2L .0404 and 2L .0405
A Brief History of North Carolina Session Laws, Rules, and General Statutes...

cc: Environmental Health Director, Orange County Health Department
Mr. Mark Hosler, Sensible Solutions Environmental, P.C.

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

IAA request NOR1114.dot

STATE OF NORTH CAROLINA
Department of Environment and Natural Resources
Raleigh Regional Office

FILE ACCESS RECORD

SECTION UST DATE/TIME 6/10/15 12:41:00
NAME George Knight REPRESENTING Page Rentals

Guidelines for Access: *The staff of the Raleigh Regional Office is dedicated to making public records in our custody readily available to the public for review and copying. We also have the responsibility to the public to safeguard these records and to carry out our day-to-day program obligations. Please read carefully the following before signing the form.*

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1. Due to the large public demand for file access, we request that you call at least a day in advance to schedule an appointment for file review so you can be accommodated. Appointments are scheduled between 9:00 a.m. and 3:00 p.m on Tuesday Wednesday and Thursday. Viewing time ends at 4:45 p.m. Anyone arriving without an appointment may view the files to the extent that time and staff supervision are available.
2. You must specify files you want to review by facility name or incident number, as appropriate. The number of files that you may review at one appointment will be limited to five.
3. You may make copies of a file when the copier is not in use by the staff and if time permits. Cost per copy is $0.05 cents for ALL copies, front and back will be $0.10 cents per copy. Payment is to be made by check, money order, or cash in the administrative offices.
4. **FILES MUST BE KEPT IN THE ORDER YOU RECEIVED THEM**. Files may not be taken from the office. No briefcases, large totes, etc. are permitted in the file review area. To remove, alter, deface, mutilate, or destroy material in one of these files is a misdemeanor for which you can be fined up to $500.00.
5. In accordance with General Statute 25-3-512, a $25.00 processing fee will be charged and collected for checks on which payment has been refused.
6. The customer must present a photo ID, sign-in, and receive a visitor sticker prior to reviewing files.

	FACILITY NAME		COUNTY
1.	Robertson Property UST	39750	OR
2.			
3.			
4.			
5.			

R George Knight 6/10/15
Signature and Name of Firm/Business / Date

Time In Time Out

Please attach a business card to this form if available

MAILED
SEP 2 5 2015

NCDENR
North Carolina Department of Environment Quality

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

September 23, 2015

Mr. George Knight
Page B. Rentals, LLC Property
1249 Kildarie Farm Road
Cary, NC 27511

Re: Notice of No Further Action
15A NCAC 2L .0407(d)
Risk-based Assessment and Corrective Action
for Petroleum Underground Storage Tanks

Robertson Property, UST
124 Estes Drive Ext.
Orange County, Carrboro
Incident Number (if applicable): 39750
Risk Classification: Low
Ranking: L0R

Dear Mr. Roberston:

The Initial Action Abatement Report received by the UST Section, Division of Waste Management, Raleigh Regional Office on September 10, 2015 has been reviewed. The review indicates that after soil excavation, soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs), established in Title 15A NCAC 2L .0411.

The UST Section determines that no further action is warranted for this incident. This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a) you have a continuing obligation to notify the Department of any changes that might affect the risk or land use classifications that have been assigned.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Mark R. Powers
Hydrogeologist
Raleigh Regional Office

cc: Environmental Health Director, Orange County Health Department
Mr. Jonathan Grubbs, Terraquest Environmental Consultants, P.C.

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 (919) **791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

1) Per 15A NCAC 2P .0402(b)(9), State Trust Fund preapproval is required for all work for which reimbursement will be requested, with the exception of emergency response actions (applied as per 15A NCAC 2L .0404, Initial Abatement Actions, including mitigation of fire, explosion, and vapor hazards) and assessment activities (applied as per 15A NCAC 2L .0405, Limited Site Assessments).

2) Following the submittal of a Limited Site Assessment Report and associated risk classification (15A NCAC 2L .0406), the Department will use Notice of Regulatory Requirements to direct responsible parties of a release to assess and/or remediate contaminated soil and groundwater according to 15A NCAC 2L .0407 based on the site's risk prioritization classification under N.C.G.S. 143-215.94E(e4).

Per N.C.G.S. 143-215.94E(j) and (k), please note that you have one year from task completion (date of report approval by the Regional Office or expiration of the applicable regulatory deadline) or the date of this eligibility determination, whichever comes later, to submit a reimbursement claim. The claim can include costs beginning one year prior to the eligibility application submittal. If a claim is not submitted by the one year statute of limitations deadline, costs may be denied.

Due to the declining balances of the Commercial and Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, reimbursable costs will only be paid as funds become available. As a result, this may delay your reimbursement. However, please note that this does not relieve you of any regulatory responsibility. Therefore, you must continue with all required assessment and/or corrective action, unless the site has received a Notice of No Further Action.

To obtain the latest information on implementation guidance or updated forms, please visit http://portal.ncdenr.org/web/wm/ust/guidance.

Please be aware that this letter does not constitute a final agency decision. Any additional information or comments to rebut this letter may be submitted to my attention at NCDEQ, Division of Waste Management, UST Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Should you require any further assistance, please do not hesitate to call or fax me at (919) 707-8262 or Christina Schroeter at (919) 707-8260.

Sincerely,

Z. Vance Jackson, Jr., PG, CPM
Trust Fund Branch Head
Division of Waste Management, NCDEQ

CGS:39750_124 Estes Dr
cc: Terraquest Environmental Consultants, P.C., 100 East Ruffin Street, Mebane, North Carolina 27302
Raleigh Regional Office
STF

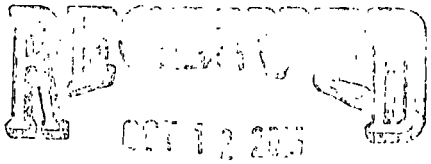
North Carolina Department of Environmental Quality

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

September 28, 2015

Mr. George Knight
Page B Rentals, LLC
1249 Kildaire Farm Road, Suite #159
Cary, North Carolina 27511



NC DENR Raleigh Regional Office

RE: Noncommercial State Trust Fund Eligibility Application
Robertson Property
124 Estes Drive
Carrboro, Orange County, North Carolina
Incident #39750

Dear Mr. Knight:

This letter is to acknowledge receipt of and respond to your request for eligibility determination for access to the North Carolina Leaking Petroleum Underground Storage Tank Cleanup Funds for the above-referenced property. Review of your application by the Underground Storage Tank (UST) Section of the Division of Waste Management is now complete.

Information supplied to the State Trust Fund indicates that one 550-gallon heating oil UST was associated with the above referenced site. A release was detected from the UST on March 24, 2015 during inspection activities. The release was reported to the Raleigh Regional Office on May 26, 2015. No tank operating fees were due, since the UST was nonregulated and noncommercial.

In accordance with North Carolina General Statute (N.C.G.S.) 143-215.94E, the release associated with the UST is conditionally eligible for reimbursement from the Noncommercial Fund for reasonable and necessary costs incurred as a result of any required environmental assessment and cleanup of this site. Per N.C.G.S. 143-215.94D(b1), as revised by Session Law 2013-360, after incurring an initial deductible of $1,000, you will be reimbursed for 90 percent of reasonable and necessary costs between $1,000 and $11,000 (maximum $1,000 co-pay), then you will be reimbursed for 100 percent of approved costs up to $1 million. Please note that Session Law 2013-360 applies to releases discovered or reported on and after August 1, 2013. Releases discovered or reported prior to August 1, 2013 do not have a deductible or co-pay per Session Law 2010-154.

If the site has received a Notice of No Further Action, please note that you do not need to continue with assessment or cleanup activities, and you may disregard the following information in this paragraph. However, if additional activities are required by and in accordance with North Carolina Administrative Code (NCAC) 15A 2L .0106 or 15A NCAC 2L .0115, you must proceed with corrective action in order to remain eligible. Failure to mitigate the spread of contamination may cause you to be determined ineligible to receive reimbursement.

The status of your underground storage tank release assessment or remediation efforts may be affected by the statutory requirements of N.C.G.S. 143-215.94E(e5), as revised by Session Law 2005-365. Subsections (e5)(6) through (e5)(9) of this statute prohibit the Department from pre-approving any work eligible for reimbursement unless the Department determines that sufficient funds will be available to pay the claim within 90 days of final claim approval. To meet the requirements of this law, the Department is requiring the following:

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

July 15, 2015

Mark Powers
NCDWM-UST Section
Raleigh Regional Office
1628 Mail Service Center
Raleigh, NC 27699-1628

Re: 20-Day Report Letter
Page B. Rentals, LLC Property
124 Estes Drive Ext.
Carrboro, NC 27510
Terraquest Project Number: 04615
NCDWM-UST Incident No.: 39750

Dear Mr. Powers:

Terraquest Environmental Consultants, P.C. (Terraquest) has completed this 20-Day Report letter summarizing the discovery of a release of heating oil discovered from a 550-gallon heating oil underground storage tank (UST) located at 124 Estes Dr. Ext. in Carrboro, NC. Previously, on June 22, 2015, a Notice of Residual Petroleum (NORP) had been filed with the Orange County Register of Deeds. The NORP was filed under the previous property owner's name (Robertson). The release incident currently has a NCDWM-UST Release Incident Number of 39750. The purpose of this letter is to document the preliminary assessment and remedial activities performed at the residence by Terraquest. The attached Figure 1 depicts the location of the property.

On June 29, 2015, Terraquest personnel determined the location of the UST to be off the northern side of the residence. The UST was buried approximately 16 inches below ground level (BGL). Prior to the UST removal, the UST was gauged for residual liquid. Approximately 3 inches of residual liquid composed of water remained in the UST. Prior to the UST removal, the residual liquid was removed from the UST by Zebra Industrial of High Point, NC and disposed of offsite. After removal of the UST, Terraquest personnel noted the UST had numerous holes throughout the sides, seems, and bottom of the UST. A heating oil odor and grey staining were noted in the soils underlying the UST. Terraquest personnel identified a yellowish-orange/grey sandy lean clay with fine sand from 0.5 feet to 6 feet BGL and a yellowish-orange saprolite with the soil characteristics of a sandy clay/clayey sand from 6 feet to 12.0 feet BGL. Terraquest personnel collected a soil sample (B1) immediately beneath the UST to document the release incident at a depth of 6.0 feet BGL.

Using standard North Carolina Division of Waste Management - UST Section (NCDWM - UST) soil sampling protocol, the B1 soils were placed in laboratory-prepared containers and labeled with the sample identification, sample analytical method, and sample time. The soil sample was placed on ice pending transportation to a North Carolina-certified environmental laboratory within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for the collected

sample. Since the UST was used to store heating oil, the soil sample was analyzed for heating oil petroleum constituents by EPA Method 8015 using extraction method 3550 (heating oil) and sample preparation method 5030 (gasoline). The B1 soil sample analytical results revealed the presence of heating oil contamination at concentrations greater than the NCDWM-UST action limits of 10 milligrams per kilogram (mg/kg). The analytical results are summarized in the attached Table 1.

Terraquest supervised the excavation of contaminated soils beneath the UST. Soil excavation continued until either the odor and/or staining dissipated. After all of the soil contamination was excavated, soil samples were also collected from the base and sidewalls of the limits of the final excavation for analysis by EPA Methods 8260 + MTBE + IPE and 8270 and Massachusetts Department of Environmental Protection VPH/EPH. The soil excavation and limit of excavation soil sampling activities will be summarized in the Initial Abatement Action Report to be submitted to the NCDWM-UST.

Under current NCDWM-UST UST Closure Guidelines (Section 4.2), the suspected release incident from the non-commercial UST was reported to the Raleigh Regional Office of the NCDWM - UST Section on a previous date by telephone. A copy of the 24-Hour Reporting Form is attached. If you have any questions regarding this letter, please call me at (919) 563-9091.

Sincerely,

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jonathan R. Grubbs, P.G.
Vice President

Attachments
Table 1: Summary of Soil Sampling Results
Figure 1: Site Location Map
Figure 2: Site Layout and Closure Soil Sample Location Map
Analytical Results
24-Hour Reporting Form

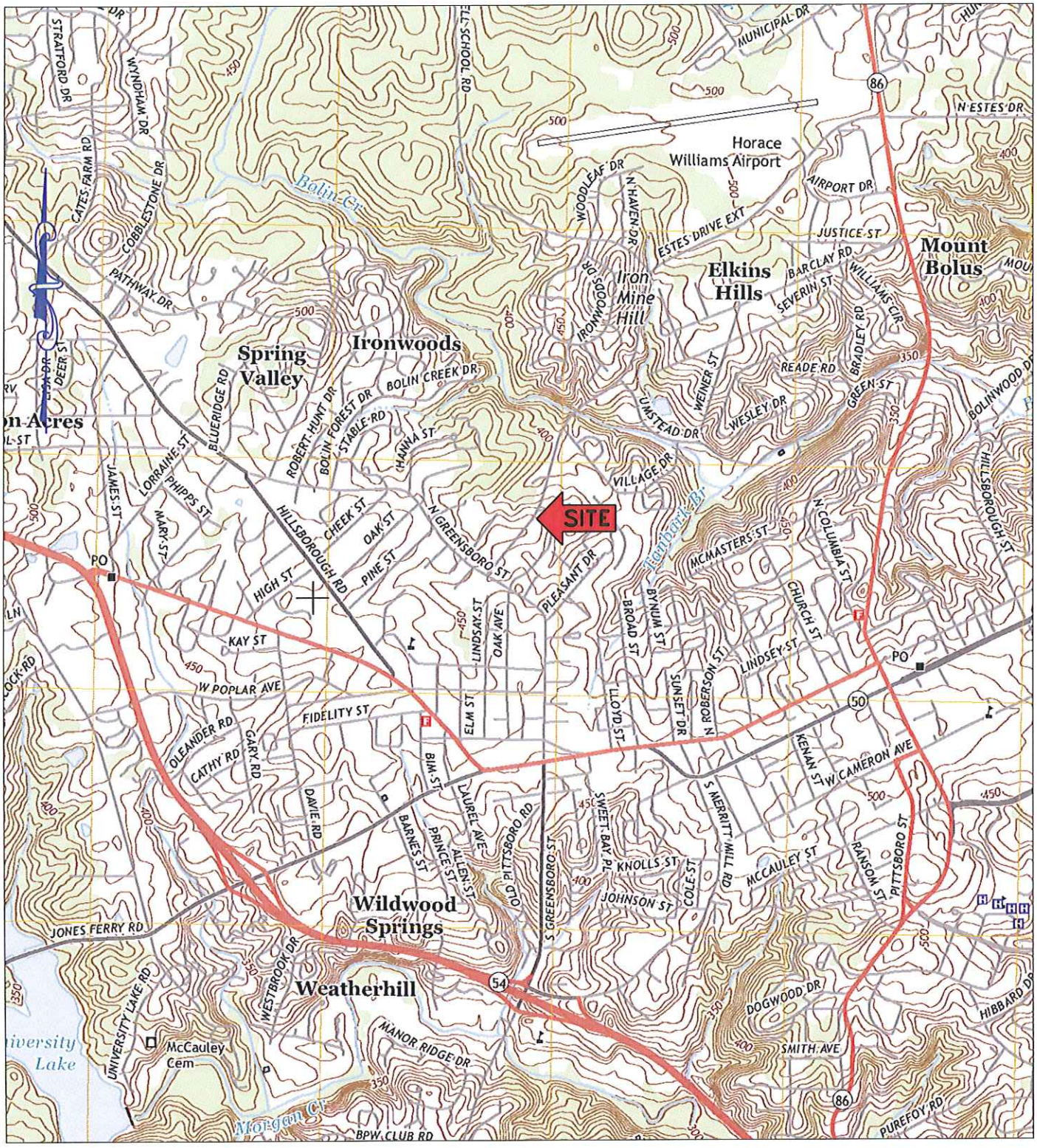
Table 1 SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15 Incident Name: Page B. Rentals, LLC Property - 124 Estes Dr Ext. Incident No.: 39750 Facility ID No.: NA

			Analytical Method	5030/GRO	3550/DRO
			Contaminant of Concern	TPH high fraction	TPH low fraction
Sample ID	Date Collected	Sample Depth			
B1	6/23/15	6.0'		**34**	**924**
			TPH Action Level	10	10

Notes:

1. All results in mg/kg.
2. < - denotes less than sample detection limit.
3. Bold denotes a sample detection. Shading denotes a TPH Action Level violation.
4. "X" = In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

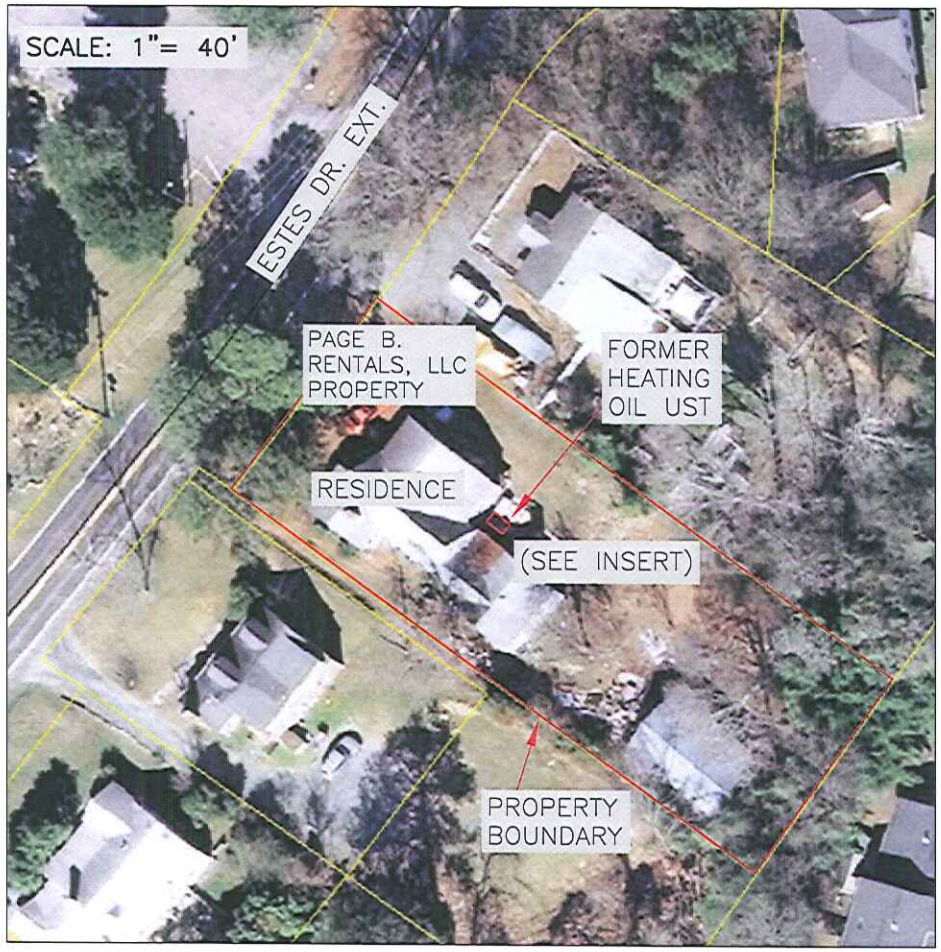
PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

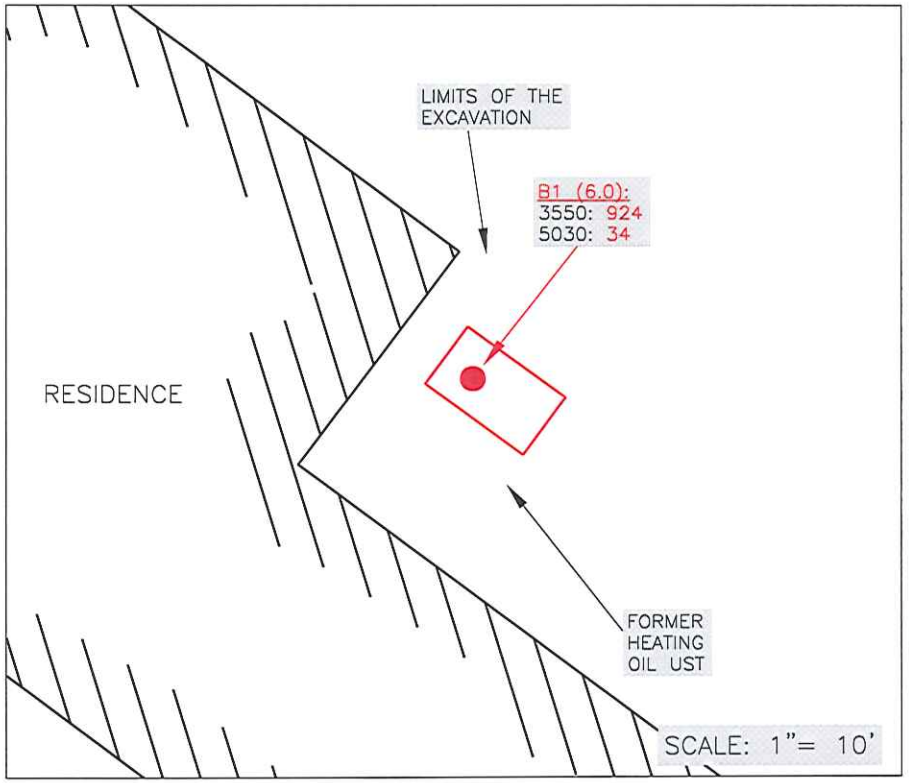
PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1

LEGEND

- SOIL SAMPLE LOCATION
- SOIL SAMPLE B1 ANALYZED BY TPH DRO (3550) & TPH GRO (5030)
- RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).





SITE LAYOUT & CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**B1 (6.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-001	Date Collected:	06.29.15 09.45	Sample Depth:	6.0 ft

Analytical Method:	TPH-Diesel Range Organics by SW-846 8015C			Prep Method:	SW3545
Tech:	VBR			% Moisture:	39.54
Analyst:	CLAR	Date Prep:	07.01.15 10.15	Basis:	Dry Weight
Seq Number:	971523				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method:	TPH-Gasoline Range Organics by SW-846 8015C			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	39.54
Analyst:	ZHO	Date Prep:	07.01.15 18.28	Basis:	Dry Weight
Seq Number:	971499				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.4	22.4	mg/kg	07.06.15 22.24	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	50	%	40-140	07.07.15 03.50	
o-Terphenyl	84-15-1	82	%	40-140	07.06.15 22.24	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.06.15 22.24	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.374	0.0661	mg/kg	07.07.15 17.26	U	1
1,2-Dichlorobenzene	95-50-1		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
1,3-Dichlorobenzene	541-73-1		U	0.374	0.0590	mg/kg	07.07.15 17.26	U	1
1,4-Dichlorobenzene	106-46-7		U	0.374	0.0583	mg/kg	07.07.15 17.26	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.374	0.0721	mg/kg	07.07.15 17.26	U	1
2,4-Dichlorophenol	120-83-2		U	0.374	0.0475	mg/kg	07.07.15 17.26	U	1
2,4-Dimethylphenol	105-67-9		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2,4-Dinitrotoluene	121-14-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
2,6-Dinitrotoluene	606-20-2		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
2-Chloronaphthalene	91-58-7		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2-Chlorophenol	95-57-8		U	0.374	0.0669	mg/kg	07.07.15 17.26	U	1
2-Methylnaphthalene	91-57-6		U	0.374	0.0572	mg/kg	07.07.15 17.26	U	1
2-methylphenol	95-48-7		U	0.747	0.0523	mg/kg	07.07.15 17.26	U	1
2-Nitroaniline	88-74-4		U	0.374	0.0501	mg/kg	07.07.15 17.26	U	1
2-Nitrophenol	88-75-5		U	0.747	0.0471	mg/kg	07.07.15 17.26	U	1
3&4-Methylphenol	15831-10-4		U	1.87	0.111	mg/kg	07.07.15 17.26	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.374	0.0546	mg/kg	07.07.15 17.26	U	1
3-Nitroaniline	99-09-2		U	0.374	0.0516	mg/kg	07.07.15 17.26	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.374	0.0650	mg/kg	07.07.15 17.26	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.187	0.0635	mg/kg	07.07.15 17.26	U	1
4-chloro-3-methylphenol	59-50-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
4-Chloroaniline	106-47-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1
4-Nitroaniline	100-01-6		U	0.747	0.0568	mg/kg	07.07.15 17.26	U	1
4-Nitrophenol	100-02-7		U	0.747	0.0460	mg/kg	07.07.15 17.26	U	1
Acenaphthene	83-32-9		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Acenaphthylene	208-96-8		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.374	0.0411	mg/kg	07.07.15 17.26	U	1
Anthracene	120-12-7		U	0.374	0.0553	mg/kg	07.07.15 17.26	U	1
Benzo(a)anthracene	56-55-3		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Benzo(a)pyrene	50-32-8		U	0.374	0.0549	mg/kg	07.07.15 17.26	U	1
Benzo(b)fluoranthene	205-99-2		U	0.374	0.0609	mg/kg	07.07.15 17.26	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.374	0.0617	mg/kg	07.07.15 17.26	U	1
Benzo(k)fluoranthene	207-08-9		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Benzoic Acid	65-85-0		U	0.747	0.0590	mg/kg	07.07.15 17.26	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.374	0.0561	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.374	0.0448	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.187	0.0531	mg/kg	07.07.15 17.26	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.374	0.0505	mg/kg	07.07.15 17.26	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Chrysene	218-01-9		U	0.374	0.0497	mg/kg	07.07.15 17.26	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.374	0.0725	mg/kg	07.07.15 17.26	U	1
Dibenzofuran	132-64-9		U	0.374	0.0478	mg/kg	07.07.15 17.26	U	1
Diethyl Phthalate	84-66-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
Dimethyl Phthalate	131-11-3		U	0.374	0.0564	mg/kg	07.07.15 17.26	U	1
di-n-Butyl Phthalate	84-74-2		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
di-n-Octyl Phthalate	117-84-0		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Fluoranthene	206-44-0		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
Fluorene	86-73-7		U	0.374	0.0456	mg/kg	07.07.15 17.26	U	1
Hexachlorobenzene	118-74-1		U	0.374	0.0624	mg/kg	07.07.15 17.26	U	1
Hexachlorobutadiene	87-68-3		U	0.374	0.0415	mg/kg	07.07.15 17.26	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Hexachloroethane	67-72-1		U	0.374	0.0579	mg/kg	07.07.15 17.26	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
Isophorone	78-59-1		U	0.374	0.0385	mg/kg	07.07.15 17.26	U	1
Naphthalene	91-20-3		U	0.374	0.0598	mg/kg	07.07.15 17.26	U	1
Nitrobenzene	98-95-3		U	0.374	0.0665	mg/kg	07.07.15 17.26	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.374	0.0785	mg/kg	07.07.15 17.26	U	1
Pentachlorophenol	87-86-5		U	0.747	0.0676	mg/kg	07.07.15 17.26	U	1
Phenanthrene	85-01-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Phenol	108-95-2		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Pyrene	129-00-0		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Pyridine	110-86-1		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	71	%	25-121	07.07.15 17.26	
Nitrobenzene-d5	4165-60-0	80	%	23-120	07.07.15 17.26	
2-Fluorobiphenyl	321-60-8	76	%	30-115	07.07.15 17.26	
2,4,6-Tribromophenol	118-79-6	77	%	19-122	07.07.15 17.26	
Terphenyl-D14	1718-51-0	84	%	18-137	07.07.15 17.26	
Phenol-d5	4165-62-2	67	%	15-110	07.07.15 17.26	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	11.07
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00195	0.00195	mg/kg	07.02.15 18.02	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	121	%	70-130	07.02.15 18.02	
2,5-Dibromotoluene (PID)	615-59-8	125	%	70-130	07.02.15 18.02	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00077	0.00058	mg/kg	07.03.15 14.54	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0015	0.00092	mg/kg	07.03.15 14.54	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethane	75-34-3		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethene	75-35-4		U	0.0015	0.00090	mg/kg	07.03.15 14.54	U	1
1,1-Dichloropropene	563-58-6		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0015	0.0013	mg/kg	07.03.15 14.54	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00077	0.00056	mg/kg	07.03.15 14.54	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00077	0.00067	mg/kg	07.03.15 14.54	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0015	0.00100	mg/kg	07.03.15 14.54	U	1
1,2-Dichloroethane	107-06-2		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
1,2-Dichloropropane	78-87-5		U	0.00077	0.00072	mg/kg	07.03.15 14.54	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00077	0.00063	mg/kg	07.03.15 14.54	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
1,3-Dichloropropane	142-28-9		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
2,2-Dichloropropane	594-20-7		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
2-Butanone (MEK)	78-93-3		U	0.0077	0.0018	mg/kg	07.03.15 14.54	U	1
2-Chlorotoluene	95-49-8		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
2-Hexanone	591-78-6		U	0.0077	0.00087	mg/kg	07.03.15 14.54	U	1
4-Chlorotoluene	106-43-4		U	0.00077	0.00043	mg/kg	07.03.15 14.54	U	1
4-Isopropyltoluene	99-87-6		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0077	0.0025	mg/kg	07.03.15 14.54	U	1
Acetone	67-64-1		U	0.0077	0.0053	mg/kg	07.03.15 14.54	U	1
Benzene	71-43-2		U	0.00077	0.00040	mg/kg	07.03.15 14.54	U	1
Bromobenzene	108-86-1		U	0.00077	0.00066	mg/kg	07.03.15 14.54	U	1
Bromochloromethane	74-97-5		U	0.0015	0.00078	mg/kg	07.03.15 14.54	U	1
Bromodichloromethane	75-27-4		U	0.00077	0.00039	mg/kg	07.03.15 14.54	U	1
Bromoform	75-25-2		U	0.00077	0.00074	mg/kg	07.03.15 14.54	U	1
Bromomethane	74-83-9		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Carbon tetrachloride	56-23-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chlorobenzene	108-90-7		U	0.00077	0.00045	mg/kg	07.03.15 14.54	U	1
Chlorodibromomethane	124-48-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
Chloroethane	75-00-3		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Chloroform	67-66-3		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chloromethane	74-87-3		U	0.0039	0.0018	mg/kg	07.03.15 14.54	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
Dichlorodifluoromethane	75-71-8		U	0.0015	0.00091	mg/kg	07.03.15 14.54	U	1
Ethanol	64-17-5		U	0.039	0.022	mg/kg	07.03.15 14.54	U	1
Ethylbenzene	100-41-4		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
Isopropyl Ether	108-20-3		U	0.0015	0.00098	mg/kg	07.03.15 14.54	U	1
Isopropylbenzene	98-82-8		U	0.00077	0.00059	mg/kg	07.03.15 14.54	U	1
m,p-Xylenes	179601-23-1		U	0.00155	0.000936	mg/kg	07.03.15 14.54	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0015	0.00054	mg/kg	07.03.15 14.54	U	1
Methylene chloride	75-09-2		U	0.0039	0.0017	mg/kg	07.03.15 14.54	U	1
Naphthalene	91-20-3		U	0.0015	0.0010	mg/kg	07.03.15 14.54	U	1
n-Butylbenzene	104-51-8		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
n-Propylbenzene	103-65-1		U	0.00077	0.00061	mg/kg	07.03.15 14.54	U	1
o-Xylene	95-47-6		U	0.000774	0.000554	mg/kg	07.03.15 14.54	U	1
sec-Butylbenzene	135-98-8		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1
Styrene	100-42-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
tert-Butylbenzene	98-06-6		U	0.00077	0.00065	mg/kg	07.03.15 14.54	U	1
Tetrachloroethene	127-18-4		U	0.0015	0.00080	mg/kg	07.03.15 14.54	U	1
Toluene	108-88-3		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00077	0.00060	mg/kg	07.03.15 14.54	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
Trichloroethene	79-01-6		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
Trichlorofluoromethane	75-69-4		U	0.0039	0.0027	mg/kg	07.03.15 14.54	U	1
Vinyl acetate	108-05-4		U	0.0039	0.00056	mg/kg	07.03.15 14.54	U	1
Vinyl chloride	75-01-4		U	0.0039	0.0016	mg/kg	07.03.15 14.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	123	%	50-150	07.03.15 14.54	
4-Bromofluorobenzene	460-00-4	100	%	57-158	07.03.15 14.54	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.54	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	25.8	25.8	mg/kg	07.07.15 00.10	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	41	%	40-140	07.07.15 05.25	
o-Terphenyl	84-15-1	73	%	40-140	07.07.15 00.10	
2-Fluorobiphenyl	321-60-8	68	%	40-140	07.07.15 00.10	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.434	0.0769	mg/kg	07.07.15 17.55	U	1
1,2-Dichlorobenzene	95-50-1		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
1,3-Dichlorobenzene	541-73-1		U	0.434	0.0687	mg/kg	07.07.15 17.55	U	1
1,4-Dichlorobenzene	106-46-7		U	0.434	0.0678	mg/kg	07.07.15 17.55	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.434	0.0839	mg/kg	07.07.15 17.55	U	1
2,4-Dichlorophenol	120-83-2		U	0.434	0.0552	mg/kg	07.07.15 17.55	U	1
2,4-Dimethylphenol	105-67-9		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2,4-Dinitrotoluene	121-14-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
2,6-Dinitrotoluene	606-20-2		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
2-Chloronaphthalene	91-58-7		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2-Chlorophenol	95-57-8		U	0.434	0.0778	mg/kg	07.07.15 17.55	U	1
2-Methylnaphthalene	91-57-6		U	0.434	0.0665	mg/kg	07.07.15 17.55	U	1
2-methylphenol	95-48-7		U	0.869	0.0608	mg/kg	07.07.15 17.55	U	1
2-Nitroaniline	88-74-4		U	0.434	0.0582	mg/kg	07.07.15 17.55	U	1
2-Nitrophenol	88-75-5		U	0.869	0.0547	mg/kg	07.07.15 17.55	U	1
3&4-Methylphenol	15831-10-4		U	2.17	0.129	mg/kg	07.07.15 17.55	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.434	0.0634	mg/kg	07.07.15 17.55	U	1
3-Nitroaniline	99-09-2		U	0.434	0.0600	mg/kg	07.07.15 17.55	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.434	0.0756	mg/kg	07.07.15 17.55	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.217	0.0739	mg/kg	07.07.15 17.55	U	1
4-chloro-3-methylphenol	59-50-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
4-Chloroaniline	106-47-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1
4-Nitroaniline	100-01-6		U	0.869	0.0660	mg/kg	07.07.15 17.55	U	1
4-Nitrophenol	100-02-7		U	0.869	0.0534	mg/kg	07.07.15 17.55	U	1
Acenaphthene	83-32-9		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Acenaphthylene	208-96-8		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.434	0.0478	mg/kg	07.07.15 17.55	U	1
Anthracene	120-12-7		U	0.434	0.0643	mg/kg	07.07.15 17.55	U	1
Benzo(a)anthracene	56-55-3		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Benzo(a)pyrene	50-32-8		U	0.434	0.0639	mg/kg	07.07.15 17.55	U	1
Benzo(b)fluoranthene	205-99-2		U	0.434	0.0708	mg/kg	07.07.15 17.55	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.434	0.0717	mg/kg	07.07.15 17.55	U	1
Benzo(k)fluoranthene	207-08-9		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Benzoic Acid	65-85-0		U	0.869	0.0687	mg/kg	07.07.15 17.55	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.434	0.0652	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.434	0.0521	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.217	0.0617	mg/kg	07.07.15 17.55	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.434	0.0587	mg/kg	07.07.15 17.55	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Chrysene	218-01-9		U	0.434	0.0578	mg/kg	07.07.15 17.55	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.434	0.0843	mg/kg	07.07.15 17.55	U	1
Dibenzofuran	132-64-9		U	0.434	0.0556	mg/kg	07.07.15 17.55	U	1
Diethyl Phthalate	84-66-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
Dimethyl Phthalate	131-11-3		U	0.434	0.0656	mg/kg	07.07.15 17.55	U	1
di-n-Butyl Phthalate	84-74-2		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
di-n-Octyl Phthalate	117-84-0		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Fluoranthene	206-44-0		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
Fluorene	86-73-7		U	0.434	0.0530	mg/kg	07.07.15 17.55	U	1
Hexachlorobenzene	118-74-1		U	0.434	0.0726	mg/kg	07.07.15 17.55	U	1
Hexachlorobutadiene	87-68-3		U	0.434	0.0482	mg/kg	07.07.15 17.55	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Hexachloroethane	67-72-1		U	0.434	0.0673	mg/kg	07.07.15 17.55	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
Isophorone	78-59-1		U	0.434	0.0448	mg/kg	07.07.15 17.55	U	1
Naphthalene	91-20-3		U	0.434	0.0695	mg/kg	07.07.15 17.55	U	1
Nitrobenzene	98-95-3		U	0.434	0.0773	mg/kg	07.07.15 17.55	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.434	0.0912	mg/kg	07.07.15 17.55	U	1
Pentachlorophenol	87-86-5		U	0.869	0.0786	mg/kg	07.07.15 17.55	U	1
Phenanthrene	85-01-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Phenol	108-95-2		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Pyrene	129-00-0		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Pyridine	110-86-1		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	49	%	25-121	07.07.15 17.55	
Nitrobenzene-d5	4165-60-0	53	%	23-120	07.07.15 17.55	
2-Fluorobiphenyl	321-60-8	64	%	30-115	07.07.15 17.55	
2,4,6-Tribromophenol	118-79-6	56	%	19-122	07.07.15 17.55	
Terphenyl-D14	1718-51-0	78	%	18-137	07.07.15 17.55	
Phenol-d5	4165-62-2	54	%	15-110	07.07.15 17.55	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	23.74
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00251	0.00251	mg/kg	07.02.15 18.47	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	106	%	70-130	07.02.15 18.47	
2,5-Dibromotoluene (PID)	615-59-8	115	%	70-130	07.02.15 18.47	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00091	0.00068	mg/kg	07.03.15 14.32	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethane	75-34-3		U	0.00091	0.00073	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethene	75-35-4		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1-Dichloropropene	563-58-6		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0018	0.0015	mg/kg	07.03.15 14.32	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00091	0.00079	mg/kg	07.03.15 14.32	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00091	0.00065	mg/kg	07.03.15 14.32	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00091	0.00078	mg/kg	07.03.15 14.32	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
1,2-Dichloroethane	107-06-2		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
1,2-Dichloropropane	78-87-5		U	0.00091	0.00084	mg/kg	07.03.15 14.32	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00091	0.00074	mg/kg	07.03.15 14.32	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
1,3-Dichloropropane	142-28-9		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
2,2-Dichloropropane	594-20-7		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
2-Butanone (MEK)	78-93-3		U	0.0091	0.0021	mg/kg	07.03.15 14.32	U	1
2-Chlorotoluene	95-49-8		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
2-Hexanone	591-78-6		U	0.0091	0.0010	mg/kg	07.03.15 14.32	U	1
4-Chlorotoluene	106-43-4		U	0.00091	0.00050	mg/kg	07.03.15 14.32	U	1
4-Isopropyltoluene	99-87-6		U	0.00091	0.00072	mg/kg	07.03.15 14.32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0091	0.0029	mg/kg	07.03.15 14.32	U	1
Acetone	67-64-1		U	0.0091	0.0062	mg/kg	07.03.15 14.32	U	1
Benzene	71-43-2		U	0.00091	0.00046	mg/kg	07.03.15 14.32	U	1
Bromobenzene	108-86-1		U	0.00091	0.00077	mg/kg	07.03.15 14.32	U	1
Bromochloromethane	74-97-5		U	0.0018	0.00091	mg/kg	07.03.15 14.32	U	1
Bromodichloromethane	75-27-4		U	0.00091	0.00045	mg/kg	07.03.15 14.32	U	1
Bromoform	75-25-2		U	0.00091	0.00087	mg/kg	07.03.15 14.32	U	1
Bromomethane	74-83-9		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Carbon tetrachloride	56-23-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chlorobenzene	108-90-7		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
Chlorodibromomethane	124-48-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
Chloroethane	75-00-3		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Chloroform	67-66-3		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chloromethane	74-87-3		U	0.0045	0.0021	mg/kg	07.03.15 14.32	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00091	0.00060	mg/kg	07.03.15 14.32	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
Dichlorodifluoromethane	75-71-8		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
Ethanol	64-17-5		U	0.045	0.025	mg/kg	07.03.15 14.32	U	1
Ethylbenzene	100-41-4		U	0.00091	0.00051	mg/kg	07.03.15 14.32	U	1
Isopropyl Ether	108-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
Isopropylbenzene	98-82-8		U	0.00091	0.00069	mg/kg	07.03.15 14.32	U	1
m,p-Xylenes	179601-23-1		U	0.00181	0.00109	mg/kg	07.03.15 14.32	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0018	0.00063	mg/kg	07.03.15 14.32	U	1
Methylene chloride	75-09-2		U	0.0045	0.0020	mg/kg	07.03.15 14.32	U	1
Naphthalene	91-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
n-Butylbenzene	104-51-8		U	0.00091	0.00080	mg/kg	07.03.15 14.32	U	1
n-Propylbenzene	103-65-1		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
o-Xylene	95-47-6		U	0.000906	0.000648	mg/kg	07.03.15 14.32	U	1
sec-Butylbenzene	135-98-8		U	0.00091	0.00059	mg/kg	07.03.15 14.32	U	1
Styrene	100-42-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
tert-Butylbenzene	98-06-6		U	0.00091	0.00076	mg/kg	07.03.15 14.32	U	1
Tetrachloroethene	127-18-4		U	0.0018	0.00094	mg/kg	07.03.15 14.32	U	1
Toluene	108-88-3	**0.00082**		0.00091	0.00053	mg/kg	07.03.15 14.32	J	1
trans-1,2-Dichloroethene	156-60-5		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
Trichloroethene	79-01-6		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
Trichlorofluoromethane	75-69-4		U	0.0045	0.0032	mg/kg	07.03.15 14.32	U	1
Vinyl acetate	108-05-4		U	0.0045	0.00065	mg/kg	07.03.15 14.32	U	1
Vinyl chloride	75-01-4		U	0.0045	0.0018	mg/kg	07.03.15 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	125	%	50-150	07.03.15 14.32	
4-Bromofluorobenzene	460-00-4	104	%	57-158	07.03.15 14.32	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 00.45	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	40	%	40-140	07.07.15 05.56	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 00.45	
2-Fluorobiphenyl	321-60-8	75	%	40-140	07.07.15 00.45	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.370	0.0656	mg/kg	07.07.15 18.24	U	1
1,2-Dichlorobenzene	95-50-1		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
1,3-Dichlorobenzene	541-73-1		U	0.370	0.0585	mg/kg	07.07.15 18.24	U	1
1,4-Dichlorobenzene	106-46-7		U	0.370	0.0578	mg/kg	07.07.15 18.24	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.370	0.0715	mg/kg	07.07.15 18.24	U	1
2,4-Dichlorophenol	120-83-2		U	0.370	0.0471	mg/kg	07.07.15 18.24	U	1
2,4-Dimethylphenol	105-67-9		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2,4-Dinitrotoluene	121-14-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
2,6-Dinitrotoluene	606-20-2		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
2-Chloronaphthalene	91-58-7		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2-Chlorophenol	95-57-8		U	0.370	0.0663	mg/kg	07.07.15 18.24	U	1
2-Methylnaphthalene	91-57-6		U	0.370	0.0567	mg/kg	07.07.15 18.24	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.24	U	1
2-Nitroaniline	88-74-4		U	0.370	0.0496	mg/kg	07.07.15 18.24	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.24	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.24	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.370	0.0541	mg/kg	07.07.15 18.24	U	1
3-Nitroaniline	99-09-2		U	0.370	0.0511	mg/kg	07.07.15 18.24	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.370	0.0645	mg/kg	07.07.15 18.24	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.24	U	1
4-chloro-3-methylphenol	59-50-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
4-Chloroaniline	106-47-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.24	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.24	U	1
Acenaphthene	83-32-9		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Acenaphthylene	208-96-8		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.370	0.0408	mg/kg	07.07.15 18.24	U	1
Anthracene	120-12-7		U	0.370	0.0548	mg/kg	07.07.15 18.24	U	1
Benzo(a)anthracene	56-55-3		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Benzo(a)pyrene	50-32-8		U	0.370	0.0545	mg/kg	07.07.15 18.24	U	1
Benzo(b)fluoranthene	205-99-2		U	0.370	0.0604	mg/kg	07.07.15 18.24	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.370	0.0611	mg/kg	07.07.15 18.24	U	1
Benzo(k)fluoranthene	207-08-9		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Benzoic Acid	65-85-0		U	0.741	0.0585	mg/kg	07.07.15 18.24	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.370	0.0556	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.370	0.0445	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.24	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.370	0.0500	mg/kg	07.07.15 18.24	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Chrysene	218-01-9		U	0.370	0.0493	mg/kg	07.07.15 18.24	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.370	0.0719	mg/kg	07.07.15 18.24	U	1
Dibenzofuran	132-64-9		U	0.370	0.0474	mg/kg	07.07.15 18.24	U	1
Diethyl Phthalate	84-66-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
Dimethyl Phthalate	131-11-3		U	0.370	0.0559	mg/kg	07.07.15 18.24	U	1
di-n-Butyl Phthalate	84-74-2		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
di-n-Octyl Phthalate	117-84-0		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Fluoranthene	206-44-0		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
Fluorene	86-73-7		U	0.370	0.0452	mg/kg	07.07.15 18.24	U	1
Hexachlorobenzene	118-74-1		U	0.370	0.0619	mg/kg	07.07.15 18.24	U	1
Hexachlorobutadiene	87-68-3		U	0.370	0.0411	mg/kg	07.07.15 18.24	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Hexachloroethane	67-72-1		U	0.370	0.0574	mg/kg	07.07.15 18.24	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
Isophorone	78-59-1		U	0.370	0.0382	mg/kg	07.07.15 18.24	U	1
Naphthalene	91-20-3		U	0.370	0.0593	mg/kg	07.07.15 18.24	U	1
Nitrobenzene	98-95-3		U	0.370	0.0659	mg/kg	07.07.15 18.24	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.370	0.0778	mg/kg	07.07.15 18.24	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.24	U	1
Phenanthrene	85-01-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Phenol	108-95-2		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Pyrene	129-00-0		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Pyridine	110-86-1		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	50	%	25-121	07.07.15 18.24	
Nitrobenzene-d5	4165-60-0	66	%	23-120	07.07.15 18.24	
2-Fluorobiphenyl	321-60-8	72	%	30-115	07.07.15 18.24	
2,4,6-Tribromophenol	118-79-6	67	%	19-122	07.07.15 18.24	
Terphenyl-D14	1718-51-0	83	%	18-137	07.07.15 18.24	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 18.24	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00231	0.00231	mg/kg	07.02.15 19.32	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	113	%	70-130	07.02.15 19.32	
2,5-Dibromotoluene (PID)	615-59-8	122	%	70-130	07.02.15 19.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00094	0.00071	mg/kg	07.01.15 22.03	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethane	75-34-3		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethene	75-35-4		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1-Dichloropropene	563-58-6		U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00094	0.00054	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0019	0.0016	mg/kg	07.01.15 22.03	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00094	0.00082	mg/kg	07.01.15 22.03	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00094	0.00068	mg/kg	07.01.15 22.03	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
1,2-Dichloroethane	107-06-2		U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
1,2-Dichloropropane	78-87-5		U	0.00094	0.00088	mg/kg	07.01.15 22.03	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00094	0.00077	mg/kg	07.01.15 22.03	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
1,3-Dichloropropane	142-28-9		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
2,2-Dichloropropane	594-20-7		U	0.00094	0.00057	mg/kg	07.01.15 22.03	U	1
2-Butanone (MEK)	78-93-3		U	0.0094	0.0022	mg/kg	07.01.15 22.03	U	1
2-Chlorotoluene	95-49-8		U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
2-Hexanone	591-78-6		U	0.0094	0.0011	mg/kg	07.01.15 22.03	U	1
4-Chlorotoluene	106-43-4		U	0.00094	0.00052	mg/kg	07.01.15 22.03	U	1
4-Isopropyltoluene	99-87-6		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0094	0.0031	mg/kg	07.01.15 22.03	U	1
Acetone	67-64-1		U	0.0094	0.0065	mg/kg	07.01.15 22.03	U	1
Benzene	71-43-2		U	0.00094	0.00048	mg/kg	07.01.15 22.03	U	1
Bromobenzene	108-86-1		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
Bromochloromethane	74-97-5		U	0.0019	0.00095	mg/kg	07.01.15 22.03	U	1
Bromodichloromethane	75-27-4		U	0.00094	0.00047	mg/kg	07.01.15 22.03	U	1
Bromoform	75-25-2		U	0.00094	0.00091	mg/kg	07.01.15 22.03	U	1
Bromomethane	74-83-9		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Carbon tetrachloride	56-23-5		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chlorobenzene	108-90-7		U	0.00094	0.00055	mg/kg	07.01.15 22.03	U	1
Chlorodibromomethane	124-48-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
Chloroethane	75-00-3		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Chloroform	67-66-3		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chloromethane	74-87-3		U	0.0047	0.0022	mg/kg	07.01.15 22.03	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
Dichlorodifluoromethane	75-71-8	U	0.0019	0.0011	mg/kg	07.01.15 22.03	UH	1
Ethanol	64-17-5	U	0.047	0.026	mg/kg	07.01.15 22.03	U	1
Ethylbenzene	100-41-4	U	0.00094	0.00053	mg/kg	07.01.15 22.03	U	1
Isopropyl Ether	108-20-3	U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
Isopropylbenzene	98-82-8	U	0.00094	0.00072	mg/kg	07.01.15 22.03	U	1
m,p-Xylenes	179601-23-1	U	0.00189	0.00114	mg/kg	07.01.15 22.03	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0019	0.00065	mg/kg	07.01.15 22.03	U	1
Methylene chloride	75-09-2	U	0.0047	0.0020	mg/kg	07.01.15 22.03	U	1
Naphthalene	91-20-3	**0.0021**	0.0019	0.0012	mg/kg	07.01.15 22.03		1
n-Butylbenzene	104-51-8	U	0.00094	0.00083	mg/kg	07.01.15 22.03	U	1
n-Propylbenzene	103-65-1	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
o-Xylene	95-47-6	U	0.000944	0.000676	mg/kg	07.01.15 22.03	U	1
sec-Butylbenzene	135-98-8	U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1
Styrene	100-42-5	U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
tert-Butylbenzene	98-06-6	U	0.00094	0.00079	mg/kg	07.01.15 22.03	U	1
Tetrachloroethene	127-18-4	U	0.0019	0.00098	mg/kg	07.01.15 22.03	U	1
Toluene	108-88-3	U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
Trichloroethene	79-01-6	U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
Trichlorofluoromethane	75-69-4	U	0.0047	0.0033	mg/kg	07.01.15 22.03	U	1
Vinyl acetate	108-05-4	U	0.0047	0.00068	mg/kg	07.01.15 22.03	U	1
Vinyl chloride	75-01-4	U	0.0047	0.0019	mg/kg	07.01.15 22.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	50-150	07.01.15 22.03	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.03	
Toluene-D8	2037-26-5	100	%	50-150	07.01.15 22.03	

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 01.20	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	51	%	40-140	07.07.15 06.28	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.20	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.07.15 01.20	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.371	0.0656	mg/kg	07.07.15 18.52	U	1
1,2-Dichlorobenzene	95-50-1		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
1,3-Dichlorobenzene	541-73-1		U	0.371	0.0586	mg/kg	07.07.15 18.52	U	1
1,4-Dichlorobenzene	106-46-7		U	0.371	0.0578	mg/kg	07.07.15 18.52	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.371	0.0715	mg/kg	07.07.15 18.52	U	1
2,4-Dichlorophenol	120-83-2		U	0.371	0.0471	mg/kg	07.07.15 18.52	U	1
2,4-Dimethylphenol	105-67-9		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2,4-Dinitrotoluene	121-14-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
2,6-Dinitrotoluene	606-20-2		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
2-Chloronaphthalene	91-58-7		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2-Chlorophenol	95-57-8		U	0.371	0.0664	mg/kg	07.07.15 18.52	U	1
2-Methylnaphthalene	91-57-6		U	0.371	0.0567	mg/kg	07.07.15 18.52	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.52	U	1
2-Nitroaniline	88-74-4		U	0.371	0.0497	mg/kg	07.07.15 18.52	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.52	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.52	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.371	0.0541	mg/kg	07.07.15 18.52	U	1
3-Nitroaniline	99-09-2		U	0.371	0.0512	mg/kg	07.07.15 18.52	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.371	0.0645	mg/kg	07.07.15 18.52	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.52	U	1
4-chloro-3-methylphenol	59-50-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
4-Chloroaniline	106-47-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.52	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.52	U	1
Acenaphthene	83-32-9		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Acenaphthylene	208-96-8		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.371	0.0408	mg/kg	07.07.15 18.52	U	1
Anthracene	120-12-7		U	0.371	0.0549	mg/kg	07.07.15 18.52	U	1
Benzo(a)anthracene	56-55-3		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Benzo(a)pyrene	50-32-8		U	0.371	0.0545	mg/kg	07.07.15 18.52	U	1
Benzo(b)fluoranthene	205-99-2		U	0.371	0.0604	mg/kg	07.07.15 18.52	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.371	0.0612	mg/kg	07.07.15 18.52	U	1
Benzo(k)fluoranthene	207-08-9		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Benzoic Acid	65-85-0		U	0.741	0.0586	mg/kg	07.07.15 18.52	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.371	0.0556	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.371	0.0445	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.52	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.371	0.0500	mg/kg	07.07.15 18.52	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Chrysene	218-01-9		U	0.371	0.0493	mg/kg	07.07.15 18.52	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.371	0.0719	mg/kg	07.07.15 18.52	U	1
Dibenzofuran	132-64-9		U	0.371	0.0474	mg/kg	07.07.15 18.52	U	1
Diethyl Phthalate	84-66-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
Dimethyl Phthalate	131-11-3		U	0.371	0.0560	mg/kg	07.07.15 18.52	U	1
di-n-Butyl Phthalate	84-74-2		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
di-n-Octyl Phthalate	117-84-0		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Fluoranthene	206-44-0		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
Fluorene	86-73-7		U	0.371	0.0452	mg/kg	07.07.15 18.52	U	1
Hexachlorobenzene	118-74-1		U	0.371	0.0619	mg/kg	07.07.15 18.52	U	1
Hexachlorobutadiene	87-68-3		U	0.371	0.0411	mg/kg	07.07.15 18.52	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Hexachloroethane	67-72-1		U	0.371	0.0575	mg/kg	07.07.15 18.52	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
Isophorone	78-59-1		U	0.371	0.0382	mg/kg	07.07.15 18.52	U	1
Naphthalene	91-20-3		U	0.371	0.0593	mg/kg	07.07.15 18.52	U	1
Nitrobenzene	98-95-3		U	0.371	0.0660	mg/kg	07.07.15 18.52	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.371	0.0778	mg/kg	07.07.15 18.52	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.52	U	1
Phenanthrene	85-01-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Phenol	108-95-2		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Pyrene	129-00-0		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Pyridine	110-86-1		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	66	%	25-121	07.07.15 18.52	
Nitrobenzene-d5	4165-60-0	72	%	23-120	07.07.15 18.52	
2-Fluorobiphenyl	321-60-8	74	%	30-115	07.07.15 18.52	
2,4,6-Tribromophenol	118-79-6	76	%	19-122	07.07.15 18.52	
Terphenyl-D14	1718-51-0	79	%	18-137	07.07.15 18.52	
Phenol-d5	4165-62-2	65	%	15-110	07.07.15 18.52	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00242	0.00242	mg/kg	07.02.15 20.17	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	109	%	70-130	07.02.15 20.17	
2,5-Dibromotoluene (PID)	615-59-8	119	%	70-130	07.02.15 20.17	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethane	75-34-3		U	0.00098	0.00079	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethene	75-35-4		U	0.0020	0.0011	mg/kg	07.01.15 22.25	U	1
1,1-Dichloropropene	563-58-6		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00098	0.00056	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0020	0.0016	mg/kg	07.01.15 22.25	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00098	0.00071	mg/kg	07.01.15 22.25	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00098	0.00085	mg/kg	07.01.15 22.25	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
1,2-Dichloroethane	107-06-2		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
1,2-Dichloropropane	78-87-5		U	0.00098	0.00091	mg/kg	07.01.15 22.25	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00098	0.00080	mg/kg	07.01.15 22.25	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00098	0.00098	mg/kg	07.01.15 22.25	U	1
1,3-Dichloropropane	142-28-9		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
2,2-Dichloropropane	594-20-7		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
2-Butanone (MEK)	78-93-3		U	0.0098	0.0022	mg/kg	07.01.15 22.25	U	1
2-Chlorotoluene	95-49-8		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
2-Hexanone	591-78-6		U	0.0098	0.0011	mg/kg	07.01.15 22.25	U	1
4-Chlorotoluene	106-43-4		U	0.00098	0.00054	mg/kg	07.01.15 22.25	U	1
4-Isopropyltoluene	99-87-6		U	0.00098	0.00078	mg/kg	07.01.15 22.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0098	0.0032	mg/kg	07.01.15 22.25	U	1
Acetone	67-64-1		U	0.0098	0.0067	mg/kg	07.01.15 22.25	U	1
Benzene	71-43-2		U	0.00098	0.00050	mg/kg	07.01.15 22.25	U	1
Bromobenzene	108-86-1		U	0.00098	0.00084	mg/kg	07.01.15 22.25	U	1
Bromochloromethane	74-97-5		U	0.0020	0.00099	mg/kg	07.01.15 22.25	U	1
Bromodichloromethane	75-27-4		U	0.00098	0.00049	mg/kg	07.01.15 22.25	U	1
Bromoform	75-25-2		U	0.00098	0.00094	mg/kg	07.01.15 22.25	U	1
Bromomethane	74-83-9		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Carbon tetrachloride	56-23-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chlorobenzene	108-90-7		U	0.00098	0.00057	mg/kg	07.01.15 22.25	U	1
Chlorodibromomethane	124-48-1		U	0.00098	0.00097	mg/kg	07.01.15 22.25	U	1
Chloroethane	75-00-3		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Chloroform	67-66-3		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chloromethane	74-87-3		U	0.0049	0.0023	mg/kg	07.01.15 22.25	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00098	0.00065	mg/kg	07.01.15 22.25	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
Dichlorodifluoromethane	75-71-8		U	0.0020	0.0012	mg/kg	07.01.15 22.25	UH	1
Ethanol	64-17-5		U	0.049	0.027	mg/kg	07.01.15 22.25	U	1
Ethylbenzene	100-41-4		U	0.00098	0.00055	mg/kg	07.01.15 22.25	U	1
Isopropyl Ether	108-20-3		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
Isopropylbenzene	98-82-8		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
m,p-Xylenes	179601-23-1		U	0.00196	0.00119	mg/kg	07.01.15 22.25	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0020	0.00068	mg/kg	07.01.15 22.25	U	1
Methylene chloride	75-09-2		U	0.0049	0.0021	mg/kg	07.01.15 22.25	U	1
Naphthalene	91-20-3		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
n-Butylbenzene	104-51-8		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
n-Propylbenzene	103-65-1		U	0.00098	0.00077	mg/kg	07.01.15 22.25	U	1
o-Xylene	95-47-6		U	0.000980	0.000702	mg/kg	07.01.15 22.25	U	1
sec-Butylbenzene	135-98-8		U	0.00098	0.00064	mg/kg	07.01.15 22.25	U	1
Styrene	100-42-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
tert-Butylbenzene	98-06-6		U	0.00098	0.00082	mg/kg	07.01.15 22.25	U	1
Tetrachloroethene	127-18-4		U	0.0020	0.0010	mg/kg	07.01.15 22.25	U	1
Toluene	108-88-3		U	0.00098	0.00058	mg/kg	07.01.15 22.25	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00098	0.00076	mg/kg	07.01.15 22.25	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
Trichloroethene	79-01-6		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
Trichlorofluoromethane	75-69-4		U	0.0049	0.0034	mg/kg	07.01.15 22.25	U	1
Vinyl acetate	108-05-4		U	0.0049	0.00071	mg/kg	07.01.15 22.25	U	1
Vinyl chloride	75-01-4		U	0.0049	0.0020	mg/kg	07.01.15 22.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	112	%	50-150	07.01.15 22.25	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.25	
Toluene-D8	2037-26-5	99	%	50-150	07.01.15 22.25	

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Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	21.8	21.8	mg/kg	07.07.15 01.56	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	49	%	40-140	07.07.15 07.00	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.56	
2-Fluorobiphenyl	321-60-8	71	%	40-140	07.07.15 01.56	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.362	0.0641	mg/kg	07.07.15 19.21	U	1
1,2-Dichlorobenzene	95-50-1		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
1,3-Dichlorobenzene	541-73-1		U	0.362	0.0572	mg/kg	07.07.15 19.21	U	1
1,4-Dichlorobenzene	106-46-7		U	0.362	0.0565	mg/kg	07.07.15 19.21	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.362	0.0698	mg/kg	07.07.15 19.21	U	1
2,4-Dichlorophenol	120-83-2		U	0.362	0.0460	mg/kg	07.07.15 19.21	U	1
2,4-Dimethylphenol	105-67-9		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2,4-Dinitrotoluene	121-14-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
2,6-Dinitrotoluene	606-20-2		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
2-Chloronaphthalene	91-58-7		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2-Chlorophenol	95-57-8		U	0.362	0.0648	mg/kg	07.07.15 19.21	U	1
2-Methylnaphthalene	91-57-6		U	0.362	0.0554	mg/kg	07.07.15 19.21	U	1
2-methylphenol	95-48-7		U	0.724	0.0507	mg/kg	07.07.15 19.21	U	1
2-Nitroaniline	88-74-4		U	0.362	0.0485	mg/kg	07.07.15 19.21	U	1
2-Nitrophenol	88-75-5		U	0.724	0.0456	mg/kg	07.07.15 19.21	U	1
3&4-Methylphenol	15831-10-4		U	1.81	0.107	mg/kg	07.07.15 19.21	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.362	0.0528	mg/kg	07.07.15 19.21	U	1
3-Nitroaniline	99-09-2		U	0.362	0.0499	mg/kg	07.07.15 19.21	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.362	0.0630	mg/kg	07.07.15 19.21	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.181	0.0615	mg/kg	07.07.15 19.21	U	1
4-chloro-3-methylphenol	59-50-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
4-Chloroaniline	106-47-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1
4-Nitroaniline	100-01-6		U	0.724	0.0550	mg/kg	07.07.15 19.21	U	1
4-Nitrophenol	100-02-7		U	0.724	0.0445	mg/kg	07.07.15 19.21	U	1
Acenaphthene	83-32-9		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Acenaphthylene	208-96-8		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.362	0.0398	mg/kg	07.07.15 19.21	U	1
Anthracene	120-12-7		U	0.362	0.0536	mg/kg	07.07.15 19.21	U	1
Benzo(a)anthracene	56-55-3		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Benzo(a)pyrene	50-32-8		U	0.362	0.0532	mg/kg	07.07.15 19.21	U	1
Benzo(b)fluoranthene	205-99-2		U	0.362	0.0590	mg/kg	07.07.15 19.21	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.362	0.0597	mg/kg	07.07.15 19.21	U	1
Benzo(k)fluoranthene	207-08-9		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Benzoic Acid	65-85-0		U	0.724	0.0572	mg/kg	07.07.15 19.21	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.362	0.0543	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.362	0.0434	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.181	0.0514	mg/kg	07.07.15 19.21	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.362	0.0489	mg/kg	07.07.15 19.21	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Chrysene	218-01-9		U	0.362	0.0481	mg/kg	07.07.15 19.21	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.362	0.0702	mg/kg	07.07.15 19.21	U	1
Dibenzofuran	132-64-9		U	0.362	0.0463	mg/kg	07.07.15 19.21	U	1
Diethyl Phthalate	84-66-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
Dimethyl Phthalate	131-11-3		U	0.362	0.0546	mg/kg	07.07.15 19.21	U	1
di-n-Butyl Phthalate	84-74-2		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
di-n-Octyl Phthalate	117-84-0		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Fluoranthene	206-44-0		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
Fluorene	86-73-7		U	0.362	0.0442	mg/kg	07.07.15 19.21	U	1
Hexachlorobenzene	118-74-1		U	0.362	0.0604	mg/kg	07.07.15 19.21	U	1
Hexachlorobutadiene	87-68-3		U	0.362	0.0402	mg/kg	07.07.15 19.21	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Hexachloroethane	67-72-1		U	0.362	0.0561	mg/kg	07.07.15 19.21	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
Isophorone	78-59-1		U	0.362	0.0373	mg/kg	07.07.15 19.21	U	1
Naphthalene	91-20-3		U	0.362	0.0579	mg/kg	07.07.15 19.21	U	1
Nitrobenzene	98-95-3		U	0.362	0.0644	mg/kg	07.07.15 19.21	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.362	0.0760	mg/kg	07.07.15 19.21	U	1
Pentachlorophenol	87-86-5		U	0.724	0.0655	mg/kg	07.07.15 19.21	U	1
Phenanthrene	85-01-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Phenol	108-95-2		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Pyrene	129-00-0		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Pyridine	110-86-1		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	51	%	25-121	07.07.15 19.21	
Nitrobenzene-d5	4165-60-0	48	%	23-120	07.07.15 19.21	
2-Fluorobiphenyl	321-60-8	54	%	30-115	07.07.15 19.21	
2,4,6-Tribromophenol	118-79-6	44	%	19-122	07.07.15 19.21	
Terphenyl-D14	1718-51-0	62	%	18-137	07.07.15 19.21	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 19.21	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00246	0.00246	mg/kg	07.02.15 21.01	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	98	%	70-130	07.02.15 21.01	
2,5-Dibromotoluene (PID)	615-59-8	108	%	70-130	07.02.15 21.01	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00085	0.00064	mg/kg	07.01.15 22.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0017	0.0010	mg/kg	07.01.15 22.47	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethane	75-34-3		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethene	75-35-4		U	0.0017	0.00099	mg/kg	07.01.15 22.47	U	1
1,1-Dichloropropene	563-58-6		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0017	0.0014	mg/kg	07.01.15 22.47	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00085	0.00061	mg/kg	07.01.15 22.47	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
1,2-Dichloroethane	107-06-2		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
1,2-Dichloropropane	78-87-5		U	0.00085	0.00079	mg/kg	07.01.15 22.47	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00085	0.00069	mg/kg	07.01.15 22.47	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
1,3-Dichloropropane	142-28-9		U	0.00085	0.00059	mg/kg	07.01.15 22.47	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00085	0.00058	mg/kg	07.01.15 22.47	U	1
2,2-Dichloropropane	594-20-7		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
2-Butanone (MEK)	78-93-3		U	0.0085	0.0019	mg/kg	07.01.15 22.47	U	1
2-Chlorotoluene	95-49-8		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
2-Hexanone	591-78-6		U	0.0085	0.00096	mg/kg	07.01.15 22.47	U	1
4-Chlorotoluene	106-43-4		U	0.00085	0.00047	mg/kg	07.01.15 22.47	U	1
4-Isopropyltoluene	99-87-6		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0085	0.0028	mg/kg	07.01.15 22.47	U	1
Acetone	67-64-1	**0.029**		0.0085	0.0059	mg/kg	07.01.15 22.47		1
Benzene	71-43-2		U	0.00085	0.00044	mg/kg	07.01.15 22.47	U	1
Bromobenzene	108-86-1		U	0.00085	0.00073	mg/kg	07.01.15 22.47	U	1
Bromochloromethane	74-97-5		U	0.0017	0.00086	mg/kg	07.01.15 22.47	U	1
Bromodichloromethane	75-27-4		U	0.00085	0.00043	mg/kg	07.01.15 22.47	U	1
Bromoform	75-25-2		U	0.00085	0.00082	mg/kg	07.01.15 22.47	U	1
Bromomethane	74-83-9		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Carbon tetrachloride	56-23-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chlorobenzene	108-90-7		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
Chlorodibromomethane	124-48-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
Chloroethane	75-00-3		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Chloroform	67-66-3		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chloromethane	74-87-3		U	0.0043	0.0020	mg/kg	07.01.15 22.47	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
Dichlorodifluoromethane	75-71-8		U	0.0017	0.0010	mg/kg	07.01.15 22.47	UH	1
Ethanol	64-17-5		U	0.043	0.024	mg/kg	07.01.15 22.47	U	1
Ethylbenzene	100-41-4		U	0.00085	0.00048	mg/kg	07.01.15 22.47	U	1
Isopropyl Ether	108-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
Isopropylbenzene	98-82-8		U	0.00085	0.00065	mg/kg	07.01.15 22.47	U	1
m,p-Xylenes	179601-23-1		U	0.00171	0.00103	mg/kg	07.01.15 22.47	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0017	0.00059	mg/kg	07.01.15 22.47	U	1
Methylene chloride	75-09-2		U	0.0043	0.0018	mg/kg	07.01.15 22.47	U	1
Naphthalene	91-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
n-Butylbenzene	104-51-8		U	0.00085	0.00075	mg/kg	07.01.15 22.47	U	1
n-Propylbenzene	103-65-1		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
o-Xylene	95-47-6		U	0.000853	0.000611	mg/kg	07.01.15 22.47	U	1
sec-Butylbenzene	135-98-8		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1
Styrene	100-42-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
tert-Butylbenzene	98-06-6		U	0.00085	0.00071	mg/kg	07.01.15 22.47	U	1
Tetrachloroethene	127-18-4		U	0.0017	0.00088	mg/kg	07.01.15 22.47	U	1
Toluene	108-88-3		U	0.00085	0.00050	mg/kg	07.01.15 22.47	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
Trichloroethene	79-01-6		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
Trichlorofluoromethane	75-69-4		U	0.0043	0.0030	mg/kg	07.01.15 22.47	U	1
Vinyl acetate	108-05-4		U	0.0043	0.00061	mg/kg	07.01.15 22.47	U	1
Vinyl chloride	75-01-4		U	0.0043	0.0017	mg/kg	07.01.15 22.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	114	%	50-150	07.01.15 22.47	
4-Bromofluorobenzene	460-00-4	105	%	57-158	07.01.15 22.47	
Toluene-D8	2037-26-5	98	%	50-150	07.01.15 22.47	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12.29	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12.29	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12.29	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12.29	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12.29	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12.29	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12.29	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12.29	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12.29	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12.29	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12.29	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12.29	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12.29	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12.29	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	07.02.15 12.29	
4-Bromofluorobenzene	460-00-4	112	%	30-186	07.02.15 12.29	
Toluene-D8	2037-26-5	97	%	70-130	07.02.15 12.29	

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Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510637-001 MD Sample Id: 510637-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	26.6	26.4	1	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510685-006 MD Sample Id: 510685-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	8.96	9.19	3	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510690-004 MD Sample Id: 510690-004 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	22.6	22.3	1	20	%	07.01.15 13:00	

Analytical Method: **MADEP EPH** Prep Method: SW3545
Seq Number: 971710 Matrix: Solid Date Prep: 07.03.15
MB Sample Id: 694710-1-BLK LCS Sample Id: 694710-1-BKS LCSD Sample Id: 694710-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<20.0	170	144	85	147	86	40-140	2	40	mg/kg	07.06.15 18:15	
C9-C18 Aliphatics	<10.0	60.0	39.1	65	29.7	50	40-140	27	40	mg/kg	07.07.15 00:07	
C19-C36 Aliphatics	<10.0	80.0	60.7	76	53.1	66	40-140	13	40	mg/kg	07.07.15 00:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	56		65		49		40-140	%	07.07.15 00:07
o-Terphenyl	96		87		91		40-140	%	07.06.15 18:15
2-Fluorobiphenyl	85		72		89		40-140	%	07.06.15 18:15

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **MADEP EPH** Prep Method: SW3545

Seq Number: 971710 Matrix: Soil Date Prep: 07.03.15

Parent Sample Id: 510685-002 MS Sample Id: 510685-002 S MSD Sample Id: 510685-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<22.3	190	176	93	160	84	40-140	10	40	mg/kg	07.06.15 22:59	
C9-C18 Aliphatics	<11.2	67.0	46.9	70	45.9	68	40-140	2	40	mg/kg	07.07.15 04:21	
C19-C36 Aliphatics	<11.2	89.3	78.6	88	82.1	92	40-140	4	40	mg/kg	07.07.15 04:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	54		57		40-140	%	07.07.15 04:21
o-Terphenyl	87		90		40-140	%	07.06.15 22:59
2-Fluorobiphenyl	82		79		40-140	%	07.06.15 22:59

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D
Prep Method: SW3545
Seq Number: 971822
Matrix: Solid
Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK
LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	1.67	0.823	49	35-129	mg/kg	07.07.15 13:08	
1,2-Dichlorobenzene	<0.0540	1.67	0.720	43	38-122	mg/kg	07.07.15 13:08	
1,3-Dichlorobenzene	<0.0527	1.67	0.665	40	38-120	mg/kg	07.07.15 13:08	
1,4-Dichlorobenzene	<0.0520	1.67	0.707	42	37-121	mg/kg	07.07.15 13:08	
2,4,5-Trichlorophenol	<0.0613	1.67	0.795	48	40-135	mg/kg	07.07.15 13:08	
2,4,6-Trichlorophenol	<0.0643	1.67	0.825	49	39-139	mg/kg	07.07.15 13:08	
2,4-Dichlorophenol	<0.0423	1.67	0.747	45	36-135	mg/kg	07.07.15 13:08	
2,4-Dimethylphenol	<0.0607	1.67	0.711	43	38-133	mg/kg	07.07.15 13:08	
2,4-Dinitrotoluene	<0.0537	1.67	1.42	85	48-131	mg/kg	07.07.15 13:08	
2,6-Dinitrotoluene	<0.0433	1.67	1.14	68	42-136	mg/kg	07.07.15 13:08	
2-Chloronaphthalene	<0.0607	1.67	0.772	46	32-138	mg/kg	07.07.15 13:08	
2-Chlorophenol	<0.0597	1.67	0.670	40	38-125	mg/kg	07.07.15 13:08	
2-Methylnaphthalene	<0.0510	1.67	0.746	45	36-126	mg/kg	07.07.15 13:08	
2-methylphenol	<0.0467	1.67	0.628	38	37-128	mg/kg	07.07.15 13:08	
2-Nitroaniline	<0.0447	1.67	1.14	68	30-133	mg/kg	07.07.15 13:08	
2-Nitrophenol	<0.0420	1.67	0.654	39	33-142	mg/kg	07.07.15 13:08	
3&4-Methylphenol	<0.0987	1.67	0.695	42	38-126	mg/kg	07.07.15 13:08	
3-Nitroaniline	<0.0460	1.67	1.25	75	41-135	mg/kg	07.07.15 13:08	
4,6-dinitro-2-methyl phenol	<0.0580	1.67	1.31	78	30-146	mg/kg	07.07.15 13:08	
4-Bromophenyl-phenylether	<0.0567	1.67	0.980	59	37-140	mg/kg	07.07.15 13:08	
4-chloro-3-methylphenol	<0.0477	1.67	0.804	48	40-134	mg/kg	07.07.15 13:08	
4-Chloroaniline	<0.0553	1.67	0.917	55	34-124	mg/kg	07.07.15 13:08	
4-Chlorophenyl-phenyl ether	<0.0633	1.67	1.00	60	41-131	mg/kg	07.07.15 13:08	
4-Nitroaniline	<0.0507	1.67	1.33	80	46-132	mg/kg	07.07.15 13:08	
4-Nitrophenol	<0.0410	1.67	1.22	73	21-152	mg/kg	07.07.15 13:08	
Acenaphthene	<0.0467	1.67	0.810	49	37-131	mg/kg	07.07.15 13:08	
Acenaphthylene	<0.0567	1.67	0.858	51	39-129	mg/kg	07.07.15 13:08	
Aniline (Phenylamine, Aminobenzene)	<0.0367	1.67	1.11	66	33-117	mg/kg	07.07.15 13:08	
Anthracene	<0.0493	1.67	1.38	83	39-139	mg/kg	07.07.15 13:08	
Benzo(a)anthracene	<0.0540	1.67	1.67	100	44-135	mg/kg	07.07.15 13:08	
Benzo(a)pyrene	<0.0490	1.67	1.81	108	43-153	mg/kg	07.07.15 13:08	
Benzo(b)fluoranthene	<0.0543	1.67	1.67	100	40-153	mg/kg	07.07.15 13:08	
Benzo(g,h,i)perylene	<0.0550	1.67	1.43	86	40-153	mg/kg	07.07.15 13:08	
Benzo(k)fluoranthene	<0.0573	1.67	1.58	95	33-156	mg/kg	07.07.15 13:08	
Benzyl Butyl Phthalate	<0.0500	1.67	1.80	108	43-145	mg/kg	07.07.15 13:08	
bis(2-chloroethoxy) methane	<0.0400	1.67	0.735	44	30-129	mg/kg	07.07.15 13:08	
bis(2-chloroethyl) ether	<0.0473	1.67	0.721	43	33-127	mg/kg	07.07.15 13:08	
bis(2-chloroisopropyl) ether	<0.0450	1.67	0.905	54	25-124	mg/kg	07.07.15 13:08	
bis(2-ethylhexyl) phthalate	<0.0540	1.67	1.81	108	46-145	mg/kg	07.07.15 13:08	
Chrysene	<0.0443	1.67	1.71	102	42-135	mg/kg	07.07.15 13:08	
Dibenz(a,h)Anthracene	<0.0647	1.67	1.47	88	41-155	mg/kg	07.07.15 13:08	
Dibenzofuran	<0.0427	1.67	0.920	55	39-132	mg/kg	07.07.15 13:08	
Diethyl Phthalate	<0.0537	1.67	1.36	81	45-131	mg/kg	07.07.15 13:08	
Dimethyl Phthalate	<0.0503	1.67	1.22	73	43-132	mg/kg	07.07.15 13:08	
di-n-Butyl Phthalate	<0.0613	1.67	1.42	85	43-142	mg/kg	07.07.15 13:08	
di-n-Octyl Phthalate	<0.0553	1.67	1.75	105	34-166	mg/kg	07.07.15 13:08	
Fluoranthene	<0.0433	1.67	1.30	78	41-138	mg/kg	07.07.15 13:08	
Fluorene	<0.0407	1.67	0.976	58	41-131	mg/kg	07.07.15 13:08	
Hexachlorobenzene	<0.0557	1.67	1.11	66	36-142	mg/kg	07.07.15 13:08	
Hexachlorobutadiene	<0.0370	1.67	0.741	44	35-129	mg/kg	07.07.15 13:08	
Hexachlorocyclopentadiene	<0.0573	1.67	0.774	46	16-106	mg/kg	07.07.15 13:08	
Hexachloroethane	<0.0517	1.67	0.787	47	36-121	mg/kg	07.07.15 13:08	

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545
Seq Number: 971822 Matrix: Solid Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0607	1.67	1.52	91	39-154	mg/kg	07.07.15 13:08	
Isophorone	<0.0343	1.67	0.966	58	36-128	mg/kg	07.07.15 13:08	
Naphthalene	<0.0533	1.67	0.680	41	35-128	mg/kg	07.07.15 13:08	
Nitrobenzene	<0.0593	1.67	0.789	47	32-129	mg/kg	07.07.15 13:08	
N-Nitrosodi-n-Propylamine	<0.0477	1.67	0.728	44	34-129	mg/kg	07.07.15 13:08	
N-Nitrosodiphenylamine	<0.0700	1.67	1.55	93	27-155	mg/kg	07.07.15 13:08	
Pentachlorophenol	<0.0603	1.67	0.881	53	14-148	mg/kg	07.07.15 13:08	
Phenanthrene	<0.0553	1.67	1.35	81	37-139	mg/kg	07.07.15 13:08	
Phenol	<0.0467	1.67	0.668	40	34-127	mg/kg	07.07.15 13:08	
Pyrene	<0.0567	1.67	1.56	93	42-138	mg/kg	07.07.15 13:08	
Pyridine	<0.0633	1.67	0.854	51	30-113	mg/kg	07.07.15 13:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorophenol	73		45		25-121	%	07.07.15 13:08
Nitrobenzene-d5	80		48		23-120	%	07.07.15 13:08
2-Fluorobiphenyl	83		47		30-115	%	07.07.15 13:08
2,4,6-Tribromophenol	71		68		19-122	%	07.07.15 13:08
Terphenyl-D14	110		95		18-137	%	07.07.15 13:08
Phenol-d5	66		39		15-110	%	07.07.15 13:08

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D | Prep Method: SW3545
Seq Number: 971822 | Matrix: Soil | Date Prep: 07.02.15
Parent Sample Id: 510688-002 | MS Sample Id: 510688-002 S | MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0675	1.91	0.908	48	1.61	85	31-100	56	30	mg/kg	07.07.15 14:06	F
1,2-Dichlorobenzene	<0.0618	1.91	0.854	45	1.25	66	27-97	38	30	mg/kg	07.07.15 14:06	F
1,3-Dichlorobenzene	<0.0603	1.91	0.856	45	1.33	70	25-96	43	30	mg/kg	07.07.15 14:06	F
1,4-Dichlorobenzene	<0.0595	1.91	0.869	45	1.28	67	27-94	38	30	mg/kg	07.07.15 14:06	F
2,4,5-Trichlorophenol	<0.0702	1.91	0.984	52	1.48	78	33-110	40	30	mg/kg	07.07.15 14:06	F
2,4,6-Trichlorophenol	<0.0737	1.91	0.937	49	1.55	82	35-111	49	30	mg/kg	07.07.15 14:06	F
2,4-Dichlorophenol	<0.0485	1.91	0.830	43	1.30	68	33-103	44	30	mg/kg	07.07.15 14:06	F
2,4-Dimethylphenol	<0.0695	1.91	0.802	42	1.30	68	28-109	47	30	mg/kg	07.07.15 14:06	F
2,4-Dinitrotoluene	<0.0614	1.91	1.30	68	1.60	84	35-122	21	30	mg/kg	07.07.15 14:06	
2,6-Dinitrotoluene	<0.0496	1.91	1.06	55	1.54	81	35-119	37	30	mg/kg	07.07.15 14:06	F
2-Chloronaphthalene	<0.0695	1.91	0.876	46	1.52	80	32-108	54	30	mg/kg	07.07.15 14:06	F
2-Chlorophenol	<0.0683	1.91	0.844	44	1.24	65	25-102	38	30	mg/kg	07.07.15 14:06	F
2-Methylnaphthalene	<0.0584	1.91	0.840	44	1.40	74	22-104	50	30	mg/kg	07.07.15 14:06	F
2-methylphenol	<0.0534	1.91	0.732	38	1.23	65	27-104	51	30	mg/kg	07.07.15 14:06	F
2-Nitroaniline	<0.0511	1.91	1.10	58	1.52	80	20-128	32	30	mg/kg	07.07.15 14:06	F
2-Nitrophenol	<0.0481	1.91	0.756	40	1.34	71	30-104	56	30	mg/kg	07.07.15 14:06	F
3&4-Methylphenol	<0.113	1.91	0.792	41	1.24	65	30-111	44	30	mg/kg	07.07.15 14:06	F
3-Nitroaniline	<0.0527	1.91	1.15	60	1.46	77	22-117	24	30	mg/kg	07.07.15 14:06	
4,6-dinitro-2-methyl phenol	<0.0664	1.91	1.37	72	1.64	86	3-130	18	30	mg/kg	07.07.15 14:06	
4-Bromophenyl-phenylether	<0.0649	1.91	0.981	51	1.36	72	38-115	32	30	mg/kg	07.07.15 14:06	F
4-chloro-3-methylphenol	<0.0546	1.91	0.870	46	1.34	71	26-116	43	30	mg/kg	07.07.15 14:06	F
4-Chloroaniline	<0.0634	1.91	1.01	53	1.56	82	4-104	43	30	mg/kg	07.07.15 14:06	F
4-Chlorophenyl-phenyl ether	<0.0725	1.91	1.09	57	1.46	77	34-114	29	30	mg/kg	07.07.15 14:06	
4-Nitroaniline	<0.0580	1.91	1.40	73	1.62	85	28-117	15	30	mg/kg	07.07.15 14:06	
4-Nitrophenol	<0.0469	1.91	1.19	62	1.51	79	12-137	24	30	mg/kg	07.07.15 14:06	
Acenaphthene	<0.0534	1.91	0.909	48	1.40	74	31-111	43	30	mg/kg	07.07.15 14:06	F
Acenaphthylene	<0.0649	1.91	0.895	47	1.49	78	36-122	50	30	mg/kg	07.07.15 14:06	F
Aniline (Phenylamine, Aminobenzene)	<0.0420	1.91	1.18	62	2.11	111	20-120	57	30	mg/kg	07.07.15 14:06	F
Anthracene	<0.0565	1.91	1.44	75	1.79	94	33-118	22	30	mg/kg	07.07.15 14:06	
Benzo(a)anthracene	<0.0618	1.91	1.66	87	1.76	93	31-136	6	30	mg/kg	07.07.15 14:06	
Benzo(a)pyrene	<0.0561	1.91	1.82	95	1.82	96	44-105	0	30	mg/kg	07.07.15 14:06	
Benzo(b)fluoranthene	<0.0622	1.91	1.73	91	1.72	91	29-120	1	30	mg/kg	07.07.15 14:06	
Benzo(g,h,i)perylene	<0.0630	1.91	1.59	83	1.62	85	35-126	2	30	mg/kg	07.07.15 14:06	
Benzo(k)fluoranthene	<0.0656	1.91	1.58	83	1.60	84	37-123	1	30	mg/kg	07.07.15 14:06	
Benzyl Butyl Phthalate	<0.0572	1.91	1.88	98	1.68	88	35-122	11	30	mg/kg	07.07.15 14:06	
bis(2-chloroethoxy) methane	<0.0458	1.91	0.817	43	1.41	74	31-106	53	30	mg/kg	07.07.15 14:06	F
bis(2-chloroethyl) ether	<0.0542	1.91	0.962	50	1.41	74	24-103	38	30	mg/kg	07.07.15 14:06	F
bis(2-chloroisopropyl) ether	<0.0515	1.91	1.03	54	1.69	89	32-103	49	30	mg/kg	07.07.15 14:06	F
bis(2-ethylhexyl) phthalate	<0.0618	1.91	1.82	95	1.82	96	32-129	0	30	mg/kg	07.07.15 14:06	
Chrysene	<0.0508	1.91	1.74	91	1.78	94	34-122	2	30	mg/kg	07.07.15 14:06	
Dibenz(a,h)Anthracene	<0.0740	1.91	1.58	83	1.60	84	36-124	1	30	mg/kg	07.07.15 14:06	
Dibenzofuran	<0.0488	1.91	0.974	51	1.51	79	31-107	43	30	mg/kg	07.07.15 14:06	F
Diethyl Phthalate	<0.0614	1.91	1.33	70	1.53	81	34-118	14	30	mg/kg	07.07.15 14:06	
Dimethyl Phthalate	<0.0576	1.91	1.09	57	1.51	79	36-115	32	30	mg/kg	07.07.15 14:06	F
di-n-Butyl Phthalate	<0.0702	1.91	1.47	77	1.54	81	37-121	5	30	mg/kg	07.07.15 14:06	
di-n-Octyl Phthalate	<0.0634	1.91	1.83	96	1.77	93	35-126	3	30	mg/kg	07.07.15 14:06	
Fluoranthene	<0.0496	1.91	1.60	84	1.75	92	15-135	9	30	mg/kg	07.07.15 14:06	
Fluorene	<0.0466	1.91	1.04	54	1.40	74	31-117	30	30	mg/kg	07.07.15 14:06	
Hexachlorobenzene	<0.0637	1.91	1.14	60	1.49	78	38-116	27	30	mg/kg	07.07.15 14:06	
Hexachlorobutadiene	<0.0424	1.91	0.852	45	1.38	73	30-98	47	30	mg/kg	07.07.15 14:06	F
Hexachlorocyclopentadiene	<0.0656	1.91	0.924	48	1.75	92	12-194	62	30	mg/kg	07.07.15 14:06	F
Hexachloroethane	<0.0592	1.91	0.937	49	1.39	73	27-98	39	30	mg/kg	07.07.15 14:06	F

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Analytical Method: SVOCs by SW-846 8270D — Prep Method: SW3545
Seq Number: 971822 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0695	1.91	1.61	84	1.60	84	30-129	1	30	mg/kg	07.07.15 14:06	
Isophorone	<0.0393	1.91	0.908	48	1.69	89	11-139	60	30	mg/kg	07.07.15 14:06	F
Naphthalene	<0.0611	1.91	0.830	43	1.37	72	31-100	49	30	mg/kg	07.07.15 14:06	F
Nitrobenzene	<0.0679	1.91	0.920	48	1.50	79	27-106	48	30	mg/kg	07.07.15 14:06	F
N-Nitrosodi-n-Propylamine	<0.0546	1.91	0.856	45	1.49	78	26-122	54	30	mg/kg	07.07.15 14:06	F
N-Nitrosodiphenylamine	<0.0801	1.91	1.55	81	2.01	106	38-127	26	30	mg/kg	07.07.15 14:06	
Pentachlorophenol	<0.0691	1.91	1.03	54	1.24	65	14-128	19	30	mg/kg	07.07.15 14:06	
Phenanthrene	<0.0634	1.91	1.40	73	1.79	94	34-115	24	30	mg/kg	07.07.15 14:06	
Phenol	<0.0534	1.91	0.794	42	1.18	62	23-104	39	30	mg/kg	07.07.15 14:06	F
Pyrene	<0.0649	1.91	1.90	99	1.92	101	33-112	1	30	mg/kg	07.07.15 14:06	
Pyridine	<0.0725	1.91	0.432	23	1.37	72	1-106	104	30	mg/kg	07.07.15 14:06	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	42		68		25-121	%	07.07.15 14:06
Nitrobenzene-d5	49		84		23-120	%	07.07.15 14:06
2-Fluorobiphenyl	46		79		30-115	%	07.07.15 14:06
2,4,6-Tribromophenol	61		80		19-122	%	07.07.15 14:06
Terphenyl-D14	90		87		18-137	%	07.07.15 14:06
Phenol-d5	44		65		15-110	%	07.07.15 14:06

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694608-1-BLK — LCS Sample Id: 694608-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<2.56	33.3	25.6	77	49-114	mg/kg	07.02.15 13:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
o-Terphenyl	72		85		32-128	%	07.02.15 13:29

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510460-003 — MS Sample Id: 510460-003 S — MSD Sample Id: 510460-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<5.95	77.4	26.7	34	43.6	56	32-119	48	20	mg/kg	07.02.15 16:22	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	57		74		32-128	%	07.02.15 16:22

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124 Estes Dr.

Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Solid — Date Prep: 07.02.15
MB Sample Id: 694721-1-BLK — LCS Sample Id: 694721-1-BKS — LCSD Sample Id: 694721-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.000150	0.150	0.142	95	0.150	100	70-130	5	25	mg/kg	07.02.15 12:51	
C9-C12 Aliphatics	<0.000150	0.150	0.149	99	0.144	96	70-130	3	25	mg/kg	07.02.15 12:51	
C9-C10 Aromatics	<0.0000500	0.0500	0.0501	100	0.0510	102	70-130	2	25	mg/kg	07.02.15 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	113		97		105		70-130	%	07.02.15 12:51
2,5-Dibromotoluene (PID)	116		103		106		70-130	%	07.02.15 12:51

Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.00638	6.38	6.23	98	5.98	94	70-130	4	25	mg/kg	07.03.15 05:13	
C9-C12 Aliphatics	5.99	6.38	8.26	36	8.44	38	70-130	2	25	mg/kg	07.03.15 05:13	X
C9-C10 Aromatics	2.49	2.13	3.42	44	3.36	41	70-130	2	25	mg/kg	07.03.15 05:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	101		100		70-130	%	07.03.15 05:13
2,5-Dibromotoluene (PID)	109		109		70-130	%	07.03.15 05:13

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694652-1-BLK — LCS Sample Id: 694652-1-BKS — LCSD Sample Id: 694652-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.029	1.0	0.90	90	0.91	91	64-114	1	25	mg/kg	07.01.15 19:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	91		103		109		57-131	%	07.01.15 19:00

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510640-001 — MS Sample Id: 510640-001 S — MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	11	70	64	76	56	64	64-114	13	25	mg/kg	07.02.15 00:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	93		77		57-131	%	07.02.15 00:25

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124 Estes Dr.

Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971495 | Matrix: Solid | Date Prep: 07.01.15

MB Sample Id: 694659-1-BLK | LCS Sample Id: 694659-1-BKS | LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.053	106	0.051	102	75-145	4	20	mg/kg	07.01.15 16:36	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.042	84	0.043	86	78-120	2	20	mg/kg	07.01.15 16:36	
1,1,2-Trichloroethane	<0.00067	0.050	0.042	84	0.043	86	81-115	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethane	<0.00080	0.050	0.053	106	0.052	104	73-131	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethene	<0.0012	0.050	0.058	116	0.057	114	67-144	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloropropene	<0.00054	0.050	0.052	104	0.050	100	83-141	4	20	mg/kg	07.01.15 16:36	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.048	96	0.047	94	59-168	2	20	mg/kg	07.01.15 16:36	
1,2,3-Trichloropropane	<0.0016	0.050	0.040	80	0.041	82	73-129	2	20	mg/kg	07.01.15 16:36	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.052	104	0.050	100	61-170	4	20	mg/kg	07.01.15 16:36	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.051	102	0.049	98	73-145	4	20	mg/kg	07.01.15 16:36	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.043	86	0.044	88	81-121	2	20	mg/kg	07.01.15 16:36	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloroethane	<0.00060	0.050	0.043	86	0.044	88	63-150	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloropropane	<0.00093	0.050	0.046	92	0.046	92	76-121	0	20	mg/kg	07.01.15 16:36	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.052	104	0.050	100	69-152	4	20	mg/kg	07.01.15 16:36	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.01.15 16:36	
1,3-Dichloropropane	<0.00069	0.050	0.043	86	0.045	90	82-117	5	20	mg/kg	07.01.15 16:36	
1,4-Dichlorobenzene	<0.00068	0.050	0.046	92	0.045	90	74-143	2	20	mg/kg	07.01.15 16:36	
2,2-Dichloropropane	<0.00060	0.050	0.057	114	0.055	110	67-153	4	20	mg/kg	07.01.15 16:36	
2-Butanone (MEK)	<0.0023	0.10	0.069	69	0.077	77	44-158	11	20	mg/kg	07.01.15 16:36	
2-Chlorotoluene	<0.00071	0.050	0.051	102	0.049	98	74-143	4	20	mg/kg	07.01.15 16:36	
2-Hexanone	<0.0011	0.10	0.076	76	0.084	84	59-154	10	20	mg/kg	07.01.15 16:36	
4-Chlorotoluene	<0.00055	0.050	0.051	102	0.049	98	76-140	4	20	mg/kg	07.01.15 16:36	
4-Isopropyltoluene	<0.00080	0.050	0.054	108	0.052	104	50-173	4	20	mg/kg	07.01.15 16:36	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.072	72	0.082	82	65-132	13	20	mg/kg	07.01.15 16:36	
Acetone	<0.0069	0.10	0.066	66	0.074	74	43-163	11	20	mg/kg	07.01.15 16:36	
Benzene	<0.00051	0.050	0.047	94	0.047	94	65-135	0	20	mg/kg	07.01.15 16:36	
Bromobenzene	<0.00085	0.050	0.048	96	0.047	94	83-120	2	20	mg/kg	07.01.15 16:36	
Bromochloromethane	<0.0010	0.050	0.045	90	0.046	92	79-126	2	20	mg/kg	07.01.15 16:36	
Bromodichloromethane	<0.00050	0.050	0.048	96	0.049	98	80-135	2	20	mg/kg	07.01.15 16:36	
Bromoform	<0.00096	0.050	0.043	86	0.043	86	71-135	0	20	mg/kg	07.01.15 16:36	
Bromomethane	<0.0025	0.050	0.065	130	0.064	128	51-149	2	20	mg/kg	07.01.15 16:36	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.051	102	70-156	4	20	mg/kg	07.01.15 16:36	
Chlorobenzene	<0.00058	0.050	0.047	94	0.047	94	76-131	0	20	mg/kg	07.01.15 16:36	
Chlorodibromomethane	<0.00099	0.050	0.042	84	0.044	88	81-136	5	20	mg/kg	07.01.15 16:36	
Chloroethane	<0.0024	0.050	0.065	130	0.064	128	64-131	2	20	mg/kg	07.01.15 16:36	
Chloroform	<0.00074	0.050	0.049	98	0.048	96	78-125	2	20	mg/kg	07.01.15 16:36	
Chloromethane	<0.0023	0.050	0.054	108	0.053	106	59-127	2	20	mg/kg	07.01.15 16:36	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.048	96	80-123	0	20	mg/kg	07.01.15 16:36	
cis-1,3-Dichloropropene	<0.00054	0.050	0.050	100	0.051	102	81-123	2	20	mg/kg	07.01.15 16:36	
Dichlorodifluoromethane	<0.0012	0.050	0.087	174	0.082	164	33-161	6	20	mg/kg	07.01.15 16:36	H
Ethanol	<0.028	2.0	1.3	65	1.4	70	56-147	7	20	mg/kg	07.01.15 16:36	
Ethylbenzene	<0.00057	0.050	0.050	100	0.049	98	65-139	2	20	mg/kg	07.01.15 16:36	
Isopropyl Ether	<0.0013	0.050	0.051	102	0.052	104	74-125	2	20	mg/kg	07.01.15 16:36	
Isopropylbenzene	<0.00076	0.050	0.053	106	0.051	102	65-153	4	20	mg/kg	07.01.15 16:36	
m,p-Xylenes	<0.00121	0.100	0.0994	99	0.0972	97	75-141	2	20	mg/kg	07.01.15 16:36	
Methyl tert-butyl ether	<0.00069	0.10	0.095	95	0.10	100	70-131	5	20	mg/kg	07.01.15 16:36	
Methylene chloride	<0.0022	0.050	0.056	112	0.060	120	65-137	7	20	mg/kg	07.01.15 16:36	
Naphthalene	<0.0013	0.050	0.042	84	0.043	86	68-151	2	20	mg/kg	07.01.15 16:36	
n-Butylbenzene	<0.00088	0.050	0.055	110	0.051	102	43-199	8	20	mg/kg	07.01.15 16:36	
n-Propylbenzene	<0.00078	0.050	0.052	104	0.050	100	60-161	4	20	mg/kg	07.01.15 16:36	
o-Xylene	<0.000716	0.0500	0.0493	99	0.0488	98	73-141	1	20	mg/kg	07.01.15 16:36	

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124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035
Seq Number: 971495 Matrix: Solid Date Prep: 07.01.15
MB Sample Id: 694659-1-BLK LCS Sample Id: 694659-1-BKS LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.052	104	0.050	100	44-179	4	20	mg/kg	07.01.15 16:36	
Styrene	<0.00074	0.050	0.043	86	0.043	86	82-129	0	20	mg/kg	07.01.15 16:36	
tert-Butylbenzene	<0.00083	0.050	0.053	106	0.050	100	56-163	6	20	mg/kg	07.01.15 16:36	
Tetrachloroethene	<0.0010	0.050	0.048	96	0.047	94	78-144	2	20	mg/kg	07.01.15 16:36	
Toluene	<0.00059	0.050	0.049	98	0.048	96	83-115	2	20	mg/kg	07.01.15 16:36	
trans-1,2-Dichloroethene	<0.00078	0.050	0.057	114	0.056	112	72-132	2	20	mg/kg	07.01.15 16:36	
trans-1,3-Dichloropropene	<0.00067	0.050	0.045	90	0.046	92	82-132	2	20	mg/kg	07.01.15 16:36	
Trichloroethene	<0.00071	0.050	0.048	96	0.046	92	80-126	4	20	mg/kg	07.01.15 16:36	
Trichlorofluoromethane	<0.0035	0.050	0.055	110	0.051	102	55-155	8	20	mg/kg	07.01.15 16:36	
Vinyl acetate	<0.00072	0.050	0.040	80	0.044	88	57-146	10	20	mg/kg	07.01.15 16:36	
Vinyl chloride	<0.0020	0.050	0.064	128	0.061	122	70-130	5	20	mg/kg	07.01.15 16:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		94		94		50-150	%	07.01.15 16:36
4-Bromofluorobenzene	104		102		100		57-158	%	07.01.15 16:36
Toluene-D8	100		100		100		50-150	%	07.01.15 16:36

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124 Estes Dr.

Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971611 | Matrix: Solid | Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK | LCS Sample Id: 694724-1-BKS | LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.051	102	0.048	96	75-145	6	20	mg/kg	07.03.15 12:44	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.049	98	0.051	102	78-120	4	20	mg/kg	07.03.15 12:44	
1,1,2-Trichloroethane	<0.00067	0.050	0.047	94	0.046	92	81-115	2	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethane	<0.00080	0.050	0.049	98	0.049	98	73-131	0	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethene	<0.0012	0.050	0.051	102	0.048	96	67-144	6	20	mg/kg	07.03.15 12:44	
1,1-Dichloropropene	<0.00054	0.050	0.050	100	0.046	92	83-141	8	20	mg/kg	07.03.15 12:44	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.050	100	59-168	0	20	mg/kg	07.03.15 12:44	
1,2,3-Trichloropropane	<0.0016	0.050	0.048	96	0.047	94	73-129	2	20	mg/kg	07.03.15 12:44	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.051	102	61-170	4	20	mg/kg	07.03.15 12:44	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.049	98	0.047	94	81-121	4	20	mg/kg	07.03.15 12:44	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloroethane	<0.00060	0.050	0.048	96	0.047	94	63-150	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloropropane	<0.00093	0.050	0.047	94	0.045	90	76-121	4	20	mg/kg	07.03.15 12:44	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.049	98	0.047	94	69-152	4	20	mg/kg	07.03.15 12:44	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,3-Dichloropropane	<0.00069	0.050	0.047	94	0.046	92	82-117	2	20	mg/kg	07.03.15 12:44	
1,4-Dichlorobenzene	<0.00068	0.050	0.047	94	0.045	90	74-143	4	20	mg/kg	07.03.15 12:44	
2,2-Dichloropropane	<0.00060	0.050	0.054	108	0.050	100	67-153	8	20	mg/kg	07.03.15 12:44	
2-Butanone (MEK)	<0.0023	0.10	0.097	97	0.095	95	44-158	2	20	mg/kg	07.03.15 12:44	
2-Chlorotoluene	<0.00071	0.050	0.049	98	0.047	94	74-143	4	20	mg/kg	07.03.15 12:44	
2-Hexanone	<0.0011	0.10	0.11	110	0.10	100	59-154	10	20	mg/kg	07.03.15 12:44	
4-Chlorotoluene	<0.00055	0.050	0.048	96	0.047	94	76-140	2	20	mg/kg	07.03.15 12:44	
4-Isopropyltoluene	<0.00080	0.050	0.050	100	0.049	98	50-173	2	20	mg/kg	07.03.15 12:44	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.098	98	0.096	96	65-132	2	20	mg/kg	07.03.15 12:44	
Acetone	<0.0069	0.10	0.099	99	0.095	95	43-163	4	20	mg/kg	07.03.15 12:44	
Benzene	<0.00051	0.050	0.048	96	0.045	90	65-135	6	20	mg/kg	07.03.15 12:44	
Bromobenzene	<0.00085	0.050	0.047	94	0.047	94	83-120	0	20	mg/kg	07.03.15 12:44	
Bromochloromethane	<0.0010	0.050	0.048	96	0.047	94	79-126	2	20	mg/kg	07.03.15 12:44	
Bromodichloromethane	<0.00050	0.050	0.046	92	0.045	90	80-135	2	20	mg/kg	07.03.15 12:44	
Bromoform	<0.00096	0.050	0.050	100	0.050	100	71-135	0	20	mg/kg	07.03.15 12:44	
Bromomethane	<0.0025	0.050	0.059	118	0.056	112	51-149	5	20	mg/kg	07.03.15 12:44	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.050	100	70-156	6	20	mg/kg	07.03.15 12:44	
Chlorobenzene	<0.00058	0.050	0.049	98	0.046	92	76-131	6	20	mg/kg	07.03.15 12:44	
Chlorodibromomethane	<0.00099	0.050	0.047	94	0.046	92	81-136	2	20	mg/kg	07.03.15 12:44	
Chloroethane	<0.0024	0.050	0.050	100	0.046	92	64-131	8	20	mg/kg	07.03.15 12:44	
Chloroform	<0.00074	0.050	0.049	98	0.046	92	78-125	6	20	mg/kg	07.03.15 12:44	
Chloromethane	<0.0023	0.050	0.048	96	0.046	92	59-127	4	20	mg/kg	07.03.15 12:44	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.046	92	80-123	4	20	mg/kg	07.03.15 12:44	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.050	100	81-123	2	20	mg/kg	07.03.15 12:44	
Dichlorodifluoromethane	<0.0012	0.050	0.052	104	0.048	96	33-161	8	20	mg/kg	07.03.15 12:44	
Ethanol	<0.028	2.0	1.7	85	1.8	90	56-147	6	20	mg/kg	07.03.15 12:44	
Ethylbenzene	<0.00057	0.050	0.049	98	0.047	94	65-139	4	20	mg/kg	07.03.15 12:44	
Isopropyl Ether	<0.0013	0.050	0.048	96	0.047	94	74-125	2	20	mg/kg	07.03.15 12:44	
Isopropylbenzene	<0.00076	0.050	0.050	100	0.048	96	65-153	4	20	mg/kg	07.03.15 12:44	
m,p-Xylenes	<0.00121	0.100	0.0990	99	0.0943	94	75-141	5	20	mg/kg	07.03.15 12:44	
Methyl tert-butyl ether	<0.00069	0.10	0.097	97	0.096	96	70-131	1	20	mg/kg	07.03.15 12:44	
Methylene chloride	<0.0022	0.050	0.050	100	0.050	100	65-137	0	20	mg/kg	07.03.15 12:44	
Naphthalene	<0.0013	0.050	0.049	98	0.049	98	68-151	0	20	mg/kg	07.03.15 12:44	
n-Butylbenzene	<0.00088	0.050	0.051	102	0.048	96	43-199	6	20	mg/kg	07.03.15 12:44	
n-Propylbenzene	<0.00078	0.050	0.049	98	0.048	96	60-161	2	20	mg/kg	07.03.15 12:44	
o-Xylene	<0.000716	0.0500	0.0492	98	0.0472	94	73-141	4	20	mg/kg	07.03.15 12:44	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971611 Matrix: Solid Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK LCS Sample Id: 694724-1-BKS LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.049	98	0.048	96	44-179	2	20	mg/kg	07.03.15 12:44	
Styrene	<0.00074	0.050	0.049	98	0.048	96	82-129	2	20	mg/kg	07.03.15 12:44	
tert-Butylbenzene	<0.00083	0.050	0.049	98	0.048	96	56-163	2	20	mg/kg	07.03.15 12:44	
Tetrachloroethene	<0.0010	0.050	0.049	98	0.046	92	78-144	6	20	mg/kg	07.03.15 12:44	
Toluene	<0.00059	0.050	0.048	96	0.046	92	83-115	4	20	mg/kg	07.03.15 12:44	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	07.03.15 12:44	
trans-1,3-Dichloropropene	<0.00067	0.050	0.048	96	0.046	92	82-132	4	20	mg/kg	07.03.15 12:44	
Trichloroethene	<0.00071	0.050	0.049	98	0.046	92	80-126	6	20	mg/kg	07.03.15 12:44	
Trichlorofluoromethane	<0.0035	0.050	0.058	116	0.055	110	55-155	5	20	mg/kg	07.03.15 12:44	
Vinyl acetate	<0.00072	0.050	0.051	102	0.050	100	57-146	2	20	mg/kg	07.03.15 12:44	
Vinyl chloride	<0.0020	0.050	0.050	100	0.050	100	70-130	0	20	mg/kg	07.03.15 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	112		102		104		50-150	%	07.03.15 12:44
4-Bromofluorobenzene	105		101		101		57-158	%	07.03.15 12:44
Toluene-D8	98		100		97		50-150	%	07.03.15 12:44

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	50.8	102	65-130	ug/L	07.02.15 10:15	
1,1,2,2-Tetrachloroethane	<0.180	50.0	45.5	91	65-130	ug/L	07.02.15 10:15	
1,1,2-Trichloroethane	<0.250	50.0	47.7	95	75-125	ug/L	07.02.15 10:15	
1,1-Dichloroethane	<0.110	50.0	47.0	94	70-135	ug/L	07.02.15 10:15	
1,1-Dichloroethene	<0.200	50.0	53.1	106	70-130	ug/L	07.02.15 10:15	
1,1-Dichloropropene	<0.100	50.0	49.8	100	75-130	ug/L	07.02.15 10:15	
1,2,3-Trichlorobenzene	<0.250	50.0	62.4	125	55-140	ug/L	07.02.15 10:15	
1,2,3-Trichloropropane	<0.210	50.0	50.1	100	75-125	ug/L	07.02.15 10:15	
1,2,4-Trichlorobenzene	<0.170	50.0	52.0	104	65-135	ug/L	07.02.15 10:15	
1,2,4-Trimethylbenzene	<0.140	50.0	50.9	102	75-130	ug/L	07.02.15 10:15	
1,2-Dibromoethane (EDB)	<0.180	50.0	49.3	99	80-120	ug/L	07.02.15 10:15	
1,2-Dichlorobenzene	<0.140	50.0	48.7	97	70-120	ug/L	07.02.15 10:15	
1,2-Dichloroethane	<0.180	50.0	52.0	104	70-130	ug/L	07.02.15 10:15	
1,2-Dichloropropane	<0.150	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
1,3,5-Trimethylbenzene	<0.170	50.0	50.0	100	75-130	ug/L	07.02.15 10:15	
1,3-Dichlorobenzene	<0.170	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
1,3-Dichloropropane	<0.190	50.0	51.0	102	75-125	ug/L	07.02.15 10:15	
1,4-Dichlorobenzene	<0.170	50.0	49.2	98	75-125	ug/L	07.02.15 10:15	
2,2-Dichloropropane	<0.210	50.0	46.2	92	70-130	ug/L	07.02.15 10:15	
2-Butanone (MEK)	<0.280	100	87.6	88	30-150	ug/L	07.02.15 10:15	
2-Chlorotoluene	<0.190	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
2-Hexanone	<0.320	100	95.4	95	55-130	ug/L	07.02.15 10:15	
4-Chlorotoluene	<0.130	50.0	49.2	98	75-130	ug/L	07.02.15 10:15	
4-Isopropyltoluene	<0.130	50.0	48.4	97	75-130	ug/L	07.02.15 10:15	
4-Methyl-2-pentanone (MIBK)	<0.260	100	92.2	92	60-135	ug/L	07.02.15 10:15	
Acetone	<0.350	100	112	112	40-140	ug/L	07.02.15 10:15	
Benzene	<0.160	50.0	51.2	102	80-120	ug/L	07.02.15 10:15	
Bromobenzene	<0.210	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
Bromochloromethane	<0.200	50.0	55.2	110	65-130	ug/L	07.02.15 10:15	
Bromodichloromethane	<0.250	50.0	48.3	97	75-120	ug/L	07.02.15 10:15	
Bromoform	<0.170	50.0	37.9	76	70-130	ug/L	07.02.15 10:15	
Bromomethane	<0.250	50.0	62.0	124	30-145	ug/L	07.02.15 10:15	
Carbon tetrachloride	<0.330	50.0	51.2	102	65-140	ug/L	07.02.15 10:15	
Chlorobenzene	<0.150	50.0	51.0	102	80-120	ug/L	07.02.15 10:15	
Chlorodibromomethane	<0.150	50.0	44.9	90	60-135	ug/L	07.02.15 10:15	
Chloroethane	<0.260	50.0	56.3	113	60-135	ug/L	07.02.15 10:15	
Chloroform	<0.160	50.0	51.2	102	65-135	ug/L	07.02.15 10:15	
Chloromethane	<0.250	50.0	60.9	122	40-125	ug/L	07.02.15 10:15	
cis-1,2-Dichloroethene	<0.210	50.0	49.8	100	70-125	ug/L	07.02.15 10:15	
cis-1,3-Dichloropropene	<0.100	50.0	49.0	98	70-130	ug/L	07.02.15 10:15	
Dichlorodifluoromethane	<0.220	50.0	49.6	99	30-155	ug/L	07.02.15 10:15	
Ethanol	<8.00	2000	1900	95	65-135	ug/L	07.02.15 10:15	
Ethylbenzene	<0.190	50.0	51.9	104	75-125	ug/L	07.02.15 10:15	
Isopropyl ether	<0.0800	50.0	49.9	100	65-135	ug/L	07.02.15 10:15	
Isopropylbenzene	<0.150	50.0	51.1	102	75-125	ug/L	07.02.15 10:15	
m,p-Xylenes	<0.510	100	102	102	75-130	ug/L	07.02.15 10:15	
Methyl tert-butyl ether	<0.180	100	97.7	98	65-125	ug/L	07.02.15 10:15	
Methylene chloride	<0.420	50.0	54.1	108	55-140	ug/L	07.02.15 10:15	
Naphthalene	<0.220	50.0	52.8	106	55-140	ug/L	07.02.15 10:15	
n-Butylbenzene	<0.170	50.0	50.3	101	70-130	ug/L	07.02.15 10:15	
n-Propylbenzene	<0.180	50.0	50.2	100	70-130	ug/L	07.02.15 10:15	
o-Xylene	<0.200	50.0	53.4	107	80-120	ug/L	07.02.15 10:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	49.2	98	70-125	ug/L	07.02.15 10:15	
Styrene	<0.180	50.0	53.1	106	65-135	ug/L	07.02.15 10:15	
tert-Butylbenzene	<0.180	50.0	50.0	100	70-130	ug/L	07.02.15 10:15	
Tetrachloroethene	<0.160	50.0	53.4	107	45-150	ug/L	07.02.15 10:15	
Toluene	<0.140	50.0	50.9	102	75-120	ug/L	07.02.15 10:15	
trans-1,2-Dichloroethene	<0.210	50.0	58.5	117	60-140	ug/L	07.02.15 10:15	
trans-1,3-Dichloropropene	<0.110	50.0	48.3	97	55-140	ug/L	07.02.15 10:15	
Trichloroethene	<0.190	50.0	51.1	102	70-125	ug/L	07.02.15 10:15	
Trichlorofluoromethane	<0.530	50.0	57.8	116	60-145	ug/L	07.02.15 10:15	
Vinyl acetate	<0.720	50.0	48.0	96	65-135	ug/L	07.02.15 10:15	
Vinyl chloride	<0.190	50.0	56.5	113	50-145	ug/L	07.02.15 10:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	79		99		53-159	%	07.02.15 10:15
4-Bromofluorobenzene	99		101		30-186	%	07.02.15 10:15
Toluene-D8	97		98		70-130	%	07.02.15 10:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00089	0.059	0.042	71	0.041	69	62-137	2	20	mg/kg	07.02.15 00:15	
1,1,2,2-Tetrachloroethane	<0.0014	0.059	0.040	68	0.040	68	64-128	0	20	mg/kg	07.02.15 00:15	
1,1,2-Trichloroethane	<0.00079	0.059	0.042	71	0.041	69	61-130	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethane	<0.00095	0.059	0.046	78	0.045	76	65-136	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethene	<0.0014	0.059	0.048	81	0.047	80	33-158	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloropropene	<0.00064	0.059	0.042	71	0.041	69	42-152	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichlorobenzene	<0.00068	0.059	0.043	73	0.042	71	48-135	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichloropropane	<0.0019	0.059	0.041	69	0.040	68	58-134	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trichlorobenzene	<0.0010	0.059	0.046	78	0.045	76	43-139	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trimethylbenzene	<0.00085	0.059	0.058	98	0.055	93	66-134	5	20	mg/kg	07.02.15 00:15	
1,2-Dibromoethane (EDB)	<0.0010	0.059	0.043	73	0.041	69	69-132	5	20	mg/kg	07.02.15 00:15	
1,2-Dichlorobenzene	<0.0015	0.059	0.041	69	0.041	69	71-120	0	20	mg/kg	07.02.15 00:15	X
1,2-Dichloroethane	<0.00071	0.059	0.037	63	0.037	63	53-140	0	20	mg/kg	07.02.15 00:15	
1,2-Dichloropropane	<0.0011	0.059	0.043	73	0.043	73	68-126	0	20	mg/kg	07.02.15 00:15	
1,3,5-Trimethylbenzene	<0.00096	0.059	0.046	78	0.046	78	67-134	0	20	mg/kg	07.02.15 00:15	
1,3-Dichlorobenzene	<0.0012	0.059	0.040	68	0.040	68	68-127	0	20	mg/kg	07.02.15 00:15	
1,3-Dichloropropane	<0.00081	0.059	0.043	73	0.043	73	70-129	0	20	mg/kg	07.02.15 00:15	
1,4-Dichlorobenzene	<0.00081	0.059	0.039	66	0.039	66	72-118	0	20	mg/kg	07.02.15 00:15	X
2,2-Dichloropropane	<0.00071	0.059	0.045	76	0.043	73	68-151	5	20	mg/kg	07.02.15 00:15	
2-Butanone (MEK)	<0.0027	0.12	0.072	60	0.071	59	42-147	1	20	mg/kg	07.02.15 00:15	
2-Chlorotoluene	<0.00084	0.059	0.044	75	0.043	73	68-127	2	20	mg/kg	07.02.15 00:15	
2-Hexanone	<0.0013	0.12	0.079	66	0.080	67	32-142	1	20	mg/kg	07.02.15 00:15	
4-Chlorotoluene	<0.00065	0.059	0.041	69	0.041	69	68-127	0	20	mg/kg	07.02.15 00:15	
4-Isopropyltoluene	<0.00095	0.059	0.047	80	0.047	80	64-135	0	20	mg/kg	07.02.15 00:15	
4-Methyl-2-pentanone (MIBK)	<0.0038	0.12	0.077	64	0.074	62	34-149	4	20	mg/kg	07.02.15 00:15	
Acetone	<0.0081	0.12	0.063	53	0.059	49	43-163	7	20	mg/kg	07.02.15 00:15	
Benzene	<0.00061	0.059	0.042	71	0.041	69	65-135	2	20	mg/kg	07.02.15 00:15	
Bromobenzene	<0.0010	0.059	0.040	68	0.040	68	67-121	0	20	mg/kg	07.02.15 00:15	
Bromochloromethane	<0.0012	0.059	0.043	73	0.041	69	66-137	5	20	mg/kg	07.02.15 00:15	
Bromodichloromethane	<0.00059	0.059	0.041	69	0.038	64	60-129	8	20	mg/kg	07.02.15 00:15	
Bromoform	<0.0011	0.059	0.037	63	0.035	59	48-147	6	20	mg/kg	07.02.15 00:15	
Bromomethane	<0.0029	0.059	0.027	46	0.029	49	42-170	7	20	mg/kg	07.02.15 00:15	
Carbon tetrachloride	<0.00088	0.059	0.037	63	0.036	61	71-117	3	20	mg/kg	07.02.15 00:15	X
Chlorobenzene	<0.00068	0.059	0.042	71	0.041	69	71-117	2	20	mg/kg	07.02.15 00:15	X
Chlorodibromomethane	<0.0012	0.059	0.039	66	0.036	61	59-135	8	20	mg/kg	07.02.15 00:15	
Chloroethane	<0.0029	0.059	0.048	81	0.056	95	44-166	15	20	mg/kg	07.02.15 00:15	
Chloroform	<0.00088	0.059	0.040	68	0.040	68	62-127	0	20	mg/kg	07.02.15 00:15	
Chloromethane	<0.0027	0.059	0.040	68	0.038	64	34-157	5	20	mg/kg	07.02.15 00:15	
cis-1,2-Dichloroethene	<0.00078	0.059	0.044	75	0.043	73	41-155	2	20	mg/kg	07.02.15 00:15	
cis-1,3-Dichloropropene	<0.00064	0.059	0.048	81	0.046	78	63-128	4	20	mg/kg	07.02.15 00:15	
Dichlorodifluoromethane	<0.0014	0.059	0.072	122	0.069	117	16-171	4	20	mg/kg	07.02.15 00:15	
Ethanol	<0.033	2.4	1.5	63	1.4	58	23-148	7	20	mg/kg	07.02.15 00:15	
Ethylbenzene	<0.00067	0.059	0.045	76	0.044	75	65-139	2	20	mg/kg	07.02.15 00:15	
Isopropyl Ether	<0.0015	0.059	0.045	76	0.044	75	57-138	2	20	mg/kg	07.02.15 00:15	
Isopropylbenzene	<0.00090	0.059	0.044	75	0.044	75	62-133	0	20	mg/kg	07.02.15 00:15	
m,p-Xylenes	<0.00143	0.118	0.0960	81	0.0915	78	69-130	5	20	mg/kg	07.02.15 00:15	
Methyl tert-butyl ether	<0.00082	0.12	0.10	83	0.099	83	48-169	1	20	mg/kg	07.02.15 00:15	
Methylene chloride	<0.0026	0.059	0.058	98	0.059	100	17-184	2	20	mg/kg	07.02.15 00:15	
Naphthalene	0.0015	0.059	0.058	96	0.055	91	27-157	5	20	mg/kg	07.02.15 00:15	
n-Butylbenzene	<0.0010	0.059	0.048	81	0.048	81	59-136	0	20	mg/kg	07.02.15 00:15	
n-Propylbenzene	<0.00092	0.059	0.045	76	0.044	75	67-134	2	20	mg/kg	07.02.15 00:15	
o-Xylene	<0.000846	0.0591	0.0500	85	0.0475	81	71-124	5	20	mg/kg	07.02.15 00:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00078	0.059	0.043	73	0.044	75	65-131	2	20	mg/kg	07.02.15 00:15	
Styrene	<0.00088	0.059	0.040	68	0.038	64	50-143	5	20	mg/kg	07.02.15 00:15	
tert-Butylbenzene	<0.00099	0.059	0.042	71	0.044	75	67-131	5	20	mg/kg	07.02.15 00:15	
Tetrachloroethene	<0.0012	0.059	0.041	69	0.040	68	42-156	2	20	mg/kg	07.02.15 00:15	
Toluene	<0.00070	0.059	0.046	78	0.043	73	13-188	7	20	mg/kg	07.02.15 00:15	
trans-1,2-Dichloroethene	<0.00092	0.059	0.048	81	0.047	80	57-143	2	20	mg/kg	07.02.15 00:15	
trans-1,3-Dichloropropene	<0.00079	0.059	0.045	76	0.043	73	55-141	5	20	mg/kg	07.02.15 00:15	
Trichloroethene	<0.00084	0.059	0.040	68	0.041	69	39-150	2	20	mg/kg	07.02.15 00:15	
Trichlorofluoromethane	<0.0042	0.059	0.039	66	0.038	64	34-179	3	20	mg/kg	07.02.15 00:15	
Vinyl acetate	<0.00085	0.059	0.026	44	0.026	44	13-188	0	20	mg/kg	07.02.15 00:15	
Vinyl chloride	<0.0024	0.059	0.052	88	0.049	83	40-161	6	20	mg/kg	07.02.15 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	95		93		50-150	%	07.02.15 00:15
4-Bromofluorobenzene	98		103		57-158	%	07.02.15 00:15
Toluene-D8	100		101		50-150	%	07.02.15 00:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	36.6	73	36.8	74	59-138	1	20	ug/L	07.02.15 20:07	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.4	103	51.4	103	63-126	0	20	ug/L	07.02.15 20:07	
1,1,2-Trichloroethane	<0.250	50.0	49.6	99	48.8	98	72-115	2	20	ug/L	07.02.15 20:07	
1,1-Dichloroethane	<0.110	50.0	37.0	74	35.8	72	69-132	3	20	ug/L	07.02.15 20:07	
1,1-Dichloroethene	<0.200	50.0	22.2	44	24.3	49	62-131	9	20	ug/L	07.02.15 20:07	X
1,1-Dichloropropene	<0.100	50.0	44.4	89	43.9	88	74-123	1	20	ug/L	07.02.15 20:07	
1,2,3-Trichlorobenzene	<0.250	50.0	39.5	79	39.5	79	48-122	0	20	ug/L	07.02.15 20:07	
1,2,3-Trichloropropane	<0.210	50.0	49.3	99	51.3	103	59-119	4	20	ug/L	07.02.15 20:07	
1,2,4-Trichlorobenzene	<0.170	50.0	40.2	80	40.6	81	34-131	1	20	ug/L	07.02.15 20:07	
1,2,4-Trimethylbenzene	2.85	50.0	44.2	83	43.9	82	47-139	1	20	ug/L	07.02.15 20:07	
1,2-Dibromoethane (EDB)	<0.180	50.0	45.2	90	44.8	90	66-125	1	20	ug/L	07.02.15 20:07	
1,2-Dichlorobenzene	<0.140	50.0	43.3	87	43.0	86	58-124	1	20	ug/L	07.02.15 20:07	
1,2-Dichloroethane	<0.180	50.0	36.7	73	37.0	74	55-141	1	20	ug/L	07.02.15 20:07	
1,2-Dichloropropane	<0.150	50.0	53.5	107	53.3	107	78-121	0	20	ug/L	07.02.15 20:07	
1,3,5-Trimethylbenzene	2.71	50.0	43.7	82	43.2	81	53-129	1	20	ug/L	07.02.15 20:07	
1,3-Dichlorobenzene	<0.170	50.0	44.5	89	43.2	86	62-120	3	20	ug/L	07.02.15 20:07	
1,3-Dichloropropane	<0.190	50.0	48.2	96	47.1	94	66-123	2	20	ug/L	07.02.15 20:07	
1,4-Dichlorobenzene	<0.170	50.0	43.8	88	42.7	85	64-114	3	20	ug/L	07.02.15 20:07	
2,2-Dichloropropane	<0.210	50.0	35.7	71	34.4	69	40-159	4	20	ug/L	07.02.15 20:07	
2-Butanone (MEK)	<0.280	100	102	102	98.1	98	50-152	4	20	ug/L	07.02.15 20:07	
2-Chlorotoluene	<0.190	50.0	45.2	90	43.5	87	60-129	4	20	ug/L	07.02.15 20:07	
2-Hexanone	<0.320	100	106	106	108	108	55-136	2	20	ug/L	07.02.15 20:07	
4-Chlorotoluene	<0.130	50.0	38.1	76	41.8	84	64-124	9	20	ug/L	07.02.15 20:07	
4-Isopropyltoluene	<0.130	50.0	39.4	79	38.4	77	62-121	3	20	ug/L	07.02.15 20:07	
4-Methyl-2-pentanone (MIBK)	<0.260	100	107	107	110	110	65-132	3	20	ug/L	07.02.15 20:07	
Acetone	<0.350	100	47.6	48	41.6	42	40-140	13	20	ug/L	07.02.15 20:07	
Benzene	2.77	50.0	56.0	106	56.4	107	77-118	1	20	ug/L	07.02.15 20:07	
Bromobenzene	<0.210	50.0	46.8	94	44.8	90	66-121	4	20	ug/L	07.02.15 20:07	
Bromochloromethane	<0.200	50.0	51.2	102	49.4	99	64-130	4	20	ug/L	07.02.15 20:07	
Bromodichloromethane	<0.250	50.0	39.8	80	39.2	78	68-125	2	20	ug/L	07.02.15 20:07	
Bromoform	<0.170	50.0	33.4	67	33.4	67	53-112	0	20	ug/L	07.02.15 20:07	
Bromomethane	<0.250	50.0	22.1	44	22.7	45	63-137	3	20	ug/L	07.02.15 20:07	X
Carbon tetrachloride	<0.330	50.0	34.6	69	35.2	70	56-138	2	20	ug/L	07.02.15 20:07	
Chlorobenzene	<0.150	50.0	47.6	95	47.4	95	71-114	0	20	ug/L	07.02.15 20:07	
Chlorodibromomethane	<0.150	50.0	36.1	72	36.8	74	53-125	2	20	ug/L	07.02.15 20:07	
Chloroethane	<0.260	50.0	21.7	43	22.1	44	60-137	2	20	ug/L	07.02.15 20:07	X
Chloroform	<0.160	50.0	41.4	83	41.7	83	65-131	1	20	ug/L	07.02.15 20:07	
Chloromethane	<0.250	50.0	20.7	41	22.1	44	48-151	7	20	ug/L	07.02.15 20:07	X
cis-1,2-Dichloroethene	<0.210	50.0	50.3	101	49.9	100	22-185	1	20	ug/L	07.02.15 20:07	
cis-1,3-Dichloropropene	<0.100	50.0	46.1	92	46.0	92	67-113	0	20	ug/L	07.02.15 20:07	
Dichlorodifluoromethane	<0.220	50.0	15.4	31	15.3	31	38-145	1	20	ug/L	07.02.15 20:07	X
Ethanol	<8.00	2000	918	46	941	47	38-162	2	20	ug/L	07.02.15 20:07	
Ethylbenzene	1.26	50.0	48.3	94	47.6	93	66-127	1	20	ug/L	07.02.15 20:07	
Isopropyl ether	<0.0800	50.0	43.6	87	43.7	87	59-148	0	20	ug/L	07.02.15 20:07	
Isopropylbenzene	<0.150	50.0	45.9	92	44.7	89	58-127	3	20	ug/L	07.02.15 20:07	
m,p-Xylenes	12.2	100	110	98	109	97	65-126	1	20	ug/L	07.02.15 20:07	
Methyl tert-butyl ether	<0.180	100	52.0	52	67.2	67	58-141	26	20	ug/L	07.02.15 20:07	XF
Methylene chloride	<0.420	50.0	23.5	47	34.2	68	63-150	37	20	ug/L	07.02.15 20:07	XF
Naphthalene	<0.220	50.0	48.4	97	48.9	98	30-148	1	20	ug/L	07.02.15 20:07	
n-Butylbenzene	<0.170	50.0	41.6	83	41.0	82	63-122	1	20	ug/L	07.02.15 20:07	
n-Propylbenzene	<0.180	50.0	46.4	93	45.2	90	64-127	3	20	ug/L	07.02.15 20:07	
o-Xylene	12.0	50.0	63.5	103	63.2	102	64-123	0	20	ug/L	07.02.15 20:07	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	42.6	85	41.2	82	59-124	3	20	ug/L	07.02.15 20:07	
Styrene	<0.180	50.0	45.4	91	46.5	93	50-133	2	20	ug/L	07.02.15 20:07	
tert-Butylbenzene	<0.180	50.0	40.9	82	40.0	80	58-125	2	20	ug/L	07.02.15 20:07	
Tetrachloroethene	<0.160	50.0	45.5	91	43.0	86	52-125	6	20	ug/L	07.02.15 20:07	
Toluene	15.2	50.0	65.7	101	65.3	100	65-123	1	20	ug/L	07.02.15 20:07	
trans-1,2-Dichloroethene	<0.210	50.0	25.9	52	37.1	74	65-135	36	20	ug/L	07.02.15 20:07	XF
trans-1,3-Dichloropropene	<0.110	50.0	40.7	81	43.1	86	50-125	6	20	ug/L	07.02.15 20:07	
Trichloroethene	<0.190	50.0	46.3	93	47.3	95	65-125	2	20	ug/L	07.02.15 20:07	
Trichlorofluoromethane	<0.530	50.0	24.7	49	23.7	47	51-145	4	20	ug/L	07.02.15 20:07	X
Vinyl acetate	<0.720	50.0	36.1	72	35.8	72	49-135	1	20	ug/L	07.02.15 20:07	
Vinyl chloride	<0.190	50.0	20.2	40	18.9	38	52-140	7	20	ug/L	07.02.15 20:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	72		72		53-159	%	07.02.15 20:07
4-Bromofluorobenzene	102		100		30-186	%	07.02.15 20:07
Toluene-D8	96		99		70-130	%	07.02.15 20:07

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694608-1-BLK** Matrix: SOLID

Lab Sample Id: **694608-1-BLK**

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015C** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.01.15 10:15

Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	U	8.33	2.56	mg/kg	07.02.15 12:54	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694652-1-BLK** Matrix: SOLID

Lab Sample Id: **694652-1-BLK**

Analytical Method: **TPH-Gasoline Range Organics by SW-846 8015C** Prep Method: SW5030B

Tech: ZHO

Analyst: ZHO Date Prep: 07.01.15 18:28

Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	U	0.050	0.029	mg/kg	07.01.15 20:07	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.01.15 17:40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.01.15 17:40	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.01.15 17:40	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.01.15 17:40	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.01.15 17:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.01.15 17:40	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.01.15 17:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.01.15 17:40	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.01.15 17:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.01.15 17:40	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.01.15 17:40	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.01.15 17:40	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.01.15 17:40	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.01.15 17:40	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.01.15 17:40	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.01.15 17:40	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.01.15 17:40	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.01.15 17:40	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.01.15 17:40	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.01.15 17:40	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.01.15 17:40	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.01.15 17:40	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.01.15 17:40	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.01.15 17:40	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.01.15 17:40	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.01.15 17:40	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.01.15 17:40	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.01.15 17:40	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.01.15 17:40	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.01.15 17:40	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.01.15 17:40	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.01.15 17:40	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.01.15 17:40	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.01.15 17:40	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.01.15 17:40	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694710-1-BLK** Matrix: SOLID

Lab Sample Id: **694710-1-BLK**

Analytical Method: **MADEP EPH** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.03.15 07:30

Seq Number: 971710

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	U	20.0	20.0	mg/kg	07.06.15 17:41	U	1
C9-C18 Aliphatics	ALHYDRC9C1	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1
C19-C36 Aliphatics	ALHYDRC19C	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694721-1-BLK** Matrix: SOLID

Lab Sample Id: **694721-1-BLK**

Analytical Method: **MADEP VPH**

Tech: ZHO

Analyst: ZHO

Seq Number: 971609

Prep Method: SW5030B

Date Prep: 07.02.15 12:07

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C12 Aliphatics	ALHYDRC9C1	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C10 Aromatics	HYDC9C10	U	0.0000500	0.0000500	mg/kg	07.02.15 14:20	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.03.15 14:11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.03.15 14:11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.03.15 14:11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.03.15 14:11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.03.15 14:11	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.03.15 14:11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.03.15 14:11	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.03.15 14:11	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.03.15 14:11	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.03.15 14:11	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.03.15 14:11	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.03.15 14:11	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.03.15 14:11	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.03.15 14:11	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.03.15 14:11	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.03.15 14:11	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.03.15 14:11	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.03.15 14:11	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.03.15 14:11	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.03.15 14:11	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.03.15 14:11	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.03.15 14:11	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.03.15 14:11	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.03.15 14:11	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.03.15 14:11	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.03.15 14:11	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.03.15 14:11	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.03.15 14:11	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.03.15 14:11	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.03.15 14:11	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.03.15 14:11	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.03.15 14:11	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.03.15 14:11	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.03.15 14:11	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.03.15 14:11	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12:03	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12:03	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12:03	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12:03	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12:03	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12:03	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12:03	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12:03	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12:03	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12:03	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12:03	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12:03	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12:03	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12:03	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	07.07.15 12:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	07.07.15 12:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	07.07.15 12:40	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	07.07.15 12:40	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	07.07.15 12:40	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	07.07.15 12:40	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	07.07.15 12:40	U	1
2-methylphenol	95-48-7	U	0.667	0.0467	mg/kg	07.07.15 12:40	U	1
2-Nitroaniline	88-74-4	U	0.333	0.0447	mg/kg	07.07.15 12:40	U	1
2-Nitrophenol	88-75-5	U	0.667	0.0420	mg/kg	07.07.15 12:40	U	1
3&4-Methylphenol	15831-10-4	U	1.67	0.0987	mg/kg	07.07.15 12:40	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	07.07.15 12:40	U	1
3-Nitroaniline	99-09-2	U	0.333	0.0460	mg/kg	07.07.15 12:40	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	07.07.15 12:40	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.167	0.0567	mg/kg	07.07.15 12:40	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
4-Chlorophenyl-phenyl ether	7005-72-3	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1
4-Nitroaniline	100-01-6	U	0.667	0.0507	mg/kg	07.07.15 12:40	U	1
4-Nitrophenol	100-02-7	U	0.667	0.0410	mg/kg	07.07.15 12:40	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3	U	0.333	0.0367	mg/kg	07.07.15 12:40	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	07.07.15 12:40	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	07.07.15 12:40	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	07.07.15 12:40	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	07.07.15 12:40	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Benzoic Acid	65-85-0	U	0.667	0.0527	mg/kg	07.07.15 12:40	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.333	0.0500	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.167	0.0473	mg/kg	07.07.15 12:40	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	07.07.15 12:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	07.07.15 12:40	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	07.07.15 12:40	U	1
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	07.07.15 12:40	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	07.07.15 12:40	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	07.07.15 12:40	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	07.07.15 12:40	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	07.07.15 12:40	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	07.07.15 12:40	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	07.07.15 12:40	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	07.07.15 12:40	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	07.07.15 12:40	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	07.07.15 12:40	U	1
Pentachlorophenol	87-86-5	U	0.667	0.0603	mg/kg	07.07.15 12:40	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Pyridine	110-86-1	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: **Terraquest Environmental Consultants, P.C.**	Receiver's Initials/Temp: JC / 1.4°C 510685
Address: **100 E. Ruffin Street, Mebane, NC 27302**	Custody Seal(s): ___ Y N Lab Work Order #
Results Sent to: Jonathan R. Grubbs	P.O.# (if required): 04615
Email address: jrgrubbs@terraquestpc.com	Field Comments / Lab Precautions:
Contact Phone #: 919-563-9091 Cell#: 919-906-0707	
Project Name (Site): 124 Estes Dr. Carrboro NC	**Analysis Requested**
Project Number (ID): 04615	Container Type: VC GA VC GA VC GA
Regulatory Program: NCDWM-UST	Chemical Preservation Code: 7 3 7 3 7
Sampler(s): (signature) Jonathan R Grubbs	Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	TPH 8015	TPH 3550	8260	8270 BNA	VPH	EPH
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3	X	X				
2	SW1 (6-7)	6-7	6/29/15 1107	S		X	6			X	X	X	X
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6			X	X	X	X
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6			X	X	X	X
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6			X	X	X	X
6	B2 B1 (12.0)	12.0	6/29/15 1500	S		X	6			X	X	X	X
7	Trip Blank	—		DW			1						
8													
9													
10													

1) Relinquished By: Jonathan R. Grubbs	Date / Time 6/30/15 1310	2) Received By:	Date / Time 07/01/15 10:01
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

INITIAL ABATEMENT ACTION REPORT
Including
Post Excavation Report

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NORTH CAROLINA

Latitude: 35.919460 N Longitude: -79.072649 W

Release Information

Date Discovered: July 8, 2015 (Lab Confirmation)
Estimated Release Quantity: Unknown
Release Cause/Source: Non-Commercial Heating Oil Underground Storage Tank
UST Capacity: 550-gallon Steel Heating Oil UST
NCDWM-UST Facility ID: Not Applicable
NCDWM-UST Incident No.: 39750

Responsible Party/Property Owner:
Page B. Rentals, LLC
George Knight
1249 Kildaire Farm Road
Cary, NC 27511

Terraquest Project No. 04615

August 11, 2015

100 E. Ruffin Street • Mebane, North Carolina 27302
Telephone (919) 563-9091 • Facsimile (919) 563-9095
www.terraquestpc.com

CERTIFICATION FOR THE SUBMITTAL
OF AN ENVIRONMENTAL / GEOLOGICAL ASSESSMENT

Attached is the Initial Abatement Action Report for:

Release Property:	Page B. Rentals, LLC Property c/o George Knight		
Address:	124 Estes Drive Extension		
City:	Carrboro	State: NC	Zip Code: 27105
Responsible Party:	Page B. Rentals, LLC c/o George Knight		
Address:	1249 Kildaire Farm Road		
City:	Cary	State: NC	Zip Code: 27511

I, Jonathan R. Grubbs, a Licensed Geologist in the State of North Carolina for TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C. do hereby certify that I am familiar with and have reviewed all material including figures within this report and that to the best of my knowledge the data, site assessments, figures, and other associated materials are correct and accurate. All work was performed under my direct supervision. My seal and signature are affixed below. Additional seals and/or signatures are also affixed below.

TERRAQUEST ENVIRONMENTAL CONSULTANTS, P.C.



Jordan T. Lerew
Environmental Technician

Jonathan R. Grubbs, P.G.
Vice President

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APPENDICES

A: UST Disposal Manifest, Approval for Further Over-Excavation letter, Weight Tickets, and Soil Disposal Waste Manifests

B: Photographs

C: Technical Methods and Standard Procedures

D: Analytical Report

1.0 INTRODUCTION

In June 2015, George Knight of Page B. Rentals, LLC contracted Terraquest Environmental Consultants, P.C. (Terraquest) to perform closure activities associated with a 550-gallon steel heating oil underground storage tank (UST) at the property located at 124 Estes Drive Extension, Carrboro, Orange County, NC. The scope of this report documents the UST removal and subsequent soil excavation activities completed at the subject property. The site location is shown in Figure 1. A site layout map is included in Figure 2.

2.0 SITE HISTORY

According to the Orange County Tax Records, the residential structure for which the heating oil UST supplied on the subject property was built in 1942. Orange County property title records indicate Charles and Frank Robertson have owned the property from March 2014 until they sold it to Page B Rental, LLC in June 2015. A Notice of Residual Petroleum was filed for the property with the Orange County Register of Deeds on June 22, 2015, prior to the property's sale. The residence currently uses natural gas as the fuel source for the heating unit. The product type, capacity, date installed, date closed, and release detection information for the UST is listed in Table 1.

3.0 INITIAL ABATEMENT ACTIVITIES

UST Closure

On June 29, 2015, approximately 25 gallons of residual liquid was removed from the UST and placed in a 55-gallon drum awaiting offsite disposal. A liquid disposal manifest was not available prior to the completion of this report.

On June 29, 2015, Terraquest supervised the removal of the steel UST using a track excavator. The UST was located off the northern side of the residence and was buried approximately 16 inches below ground level (BGL). Once the UST was removed, Terraquest personnel noted the UST had

pitting and numerous holes along the sides, bottom, and seems of the UST. The dimensions of the UST were approximately 45 inches by 76 inches. The product lines coming out from beneath the foundation were removed up to the edge of the final excavation. A copy of the UST disposal manifest is included in Appendix A.

Stained soils with a heating oil odor were noted beneath the UST indicating that a release of heating oil had occurred from the UST. In order to document the release incident, Terraquest personnel collected soil sample B1 immediately beneath the UST at a depth of 6.0 feet BGL.

Excavation of Contaminated Soil

On June 29, 2015, Terraquest supervised the excavation of impacted soils beneath and surrounding the UST. Soils beneath the initial base and sidewalls of the excavation were stained and had a strong heating oil odor. The soil excavation continued until either the odor and/or staining dissipated or the residence foundation was encountered along sidewall SW1. Soils in the sidewalls and base of the excavation were screened with a Photoionization Detector (PID). Terraquest identified a medium stiff yellowish-orange sandy clay from 0.5 to 6.0 feet BGL and a saprolitic yellowish-orange clayey sand from 6.0 to 12.0 feet BGL.

63.54 tons of contaminated soil were excavated from beneath the UST and hauled offsite for disposal at the Earthtec of NC, Inc. disposal facility in Sanford, NC. Additional tonnage, above the limit of 56.2 tons, was approved by the NCDWM-UST Section's Raleigh Regional Office (NCDWM-RRO). A copy of the Approval for Further Over-Excavation letter is contained in Appendix A. The final dimensions of the excavation were approximately 10.5 feet wide by 14 feet long by 12 feet deep. A copy of the soil disposal waste manifests are included in Appendix A.

Confirmation soil samples were collected at the final limits of the soil excavation to determine in-situ soil quality along the sidewalls (SW1, SW2, SW3, and SW4) and the base of the excavation (BE1). The sidewall soil sample depths were collected approximately three-quarters down the

sidewalls or where petroleum contamination was noted to document soil quality. The excavation was backfilled with Chapel Hill Gravel from Merritts Gravel Pit in Chapel Hill, NC. Table 2 lists the sample depths and analytical results of the limit of excavation soil samples. The locations of the limit of excavation soil samples are depicted in Figure 2. The methods and standard procedures followed during the soil sampling are detailed in Section 4.0.

With the discovery of the release confirmed by the soil sample analytical results, Terraquest reported the release to the NCDWM-RRO in the 20-Day Report, submitted July 15, 2015.

Pictures of the UST removal and subsequent soil excavation are included in Appendix B.

4.0 FIELD AND LABORATORY ANALYSES

4.1 Soil Sampling Methodology and Results – Soil Excavation

As previously mentioned, soil sample B1 (6.0) was collected from beneath the UST to document soil quality on June 23, 2015. After the soil excavation, soil samples were collected at the limits of the initial excavation {SW1(6-7), SW2(6-7), SW3(6-7), SW4(6-7), and BE1(12)}.

The initial B1 (6.0) and final confirmation soil samples were collected following the proper soil sampling protocol in accordance with the NCDWM - UST guidelines. A grab sample from each sample location was collected, placed in the appropriate laboratory-prepared containers, and labeled with the sample identification, sample analytical method, and sample time. Soil sample B1 was collected at a depth of 6.0 feet BGL with a properly decontaminated hand auger. Sidewall soil samples SW1, SW2, SW3, and SW4 were collected at depths between 6.0 and 7.0 feet BGL. The base of the excavation soil sample BE1 was collected at a depth of 12.0 feet BGL. The limits of the soil excavation soil samples were collected from the track excavator bucket. Each of the confirmation soil samples were placed on ice pending transportation to a North Carolina-certified

environmental laboratory. All of the soil samples were analyzed within each of the chosen analytical method's hold time. Chain-of-custody documentation was maintained for each collected sample.

The B1 soil sample was analyzed for total petroleum hydrocarbons constituents by EPA Method 8015 using the sample extraction method TPH 3550 (heating oil) and sample preparation method 5030 (gasoline). The final sidewall and base of the excavation samples were analyzed by the Risk-Based Corrective Action (RBCA) methods EPA 8270 Base Neutrals and Acid Extractables (BNA) and Massachusetts Department of Environmental Protection (MADEP) Extractable Petroleum Hydrocarbons (EPH) targeting semi-volatile organics and EPA 8260 + methy tert-butyl ether (MTBE) + di-isopropyl ether (IPE) and MADEP Volatile Petroleum Hydrocarbons (VPH) targeting volatile organics. The SD1 soil sample was analyzed by TPH 3550 and 5030. The soil sampling protocol is detailed in the Technical Methods/Standard Procedures included in Appendix C.

The analytical results from the initial closure sample B1 revealed a petroleum contaminant concentration of 924 mg/kg per method TPH 3550 (heating oil) and 34 mg/kg per method 5030 (gasoline). These concentrations exceed the NCDWM-UST Action Limits of 10 mg/kg for both analyses. The analytical results of soil samples collected at the limits of the excavation revealed no detected concentrations exceeding the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (S-t-G MSCCs) in any of the sidewall or base of excavation soil samples. The analytical results of the confirmation soil samples are detailed in Table 2. Figure 2 depicts the locations of the B1 and SW and BE closure soil samples. The analytical report for the B1 and limit of excavation closure samples is contained in Appendix D.

A pre-prepared, sealed trip blank sample accompanied the soil sampled in transit to Xenco Laboratories of Norcross, GA. The trip blank accompanied the filled containers to the laboratory. The trip blank from the June 29, 2015 closure activities was analyzed by EPA Method 8260. Analysis of the trip blank sample revealed no contaminant concentrations above the laboratory's

sample method detection limits. The analytical results for the trip blank sample are included in Appendix D.

4.2 Groundwater Sampling Methodology and Results – Soil Excavation

Groundwater was not encountered during the UST closure and subsequent soil excavation.

5.0 FREE PRODUCT CHECK

No free product in the form of heating oil was observed in the bottom of the initial or final excavations.

6.0 POTENTIAL SOURCES OF PETROLEUM HYDROCARBONS

The primary source of petroleum hydrocarbons in the site vicinity is the former onsite heating oil UST. No additional USTs were noted in the immediate vicinity of the release area.

7.0 NATURE AND ESTIMATED QUANTITY OF RELEASE

The nature of the release is heating oil from the former 550-gallon heating oil UST. The amount of the release is currently unknown.

8.0 SITE AND VICINITY DESCRIPTION

The release incident is associated with the former 550-gallon UST installed on the subject property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. The site is located in a residential neighborhood and surrounding properties are residential. The site and the surrounding properties are believed to derive their drinking water from Orange Water and Sewer Authority

(OWASA) municipal sources. No buried utilities were uncovered within the limits of the UST excavation.

According to the Geologic Map of North Carolina (Brown et al, 1985), the site is located in the Carolina Slate Belt of the Piedmont Physiographic Region of North Carolina and is underlain by grandiorite consisting of levcoractic to mesocratic, fine to medium grained, equigranular to porphyritic grandiorite. Bedrock was not encountered during the soil excavation. Bolin Creek is located approximately 1,730 feet northeast of the UST basin.

9.0 CONCLUSIONS/RECOMMENDATIONS

The primary source of contamination at the site is believed to have originated from the 550-gallon heating oil UST formerly located at the residence. Terraquest has assembled data regarding the site vicinity and nature of the release in order to comply with Title 15A NCAC 2L .0115 and NCAC 2N .0700 regulations. Based upon the data gathered from this limited investigation, the following conclusions can be made:

- Analytical results of the B1 soil sample collected immediately beneath the UST confirm that a release from the UST system had occurred.
- Holes were noted along the bottom and seams of the UST.
- 63.54 tons of contaminated soil were excavated and hauled offsite for proper disposal at the Earthtec of NC, Inc. soil disposal facility in Sanford, NC.
- Analytical results of the soil samples collected from the sidewalls and base of the soil excavation reveal no petroleum contaminant concentrations that exceed the S-t-G MSCCs remain in-situ.
- Groundwater was not encountered during the soil excavation.
- With no in-situ soil contaminant concentrations above the S-t-G MSCCs, further assessment is not necessary. The release incident can be closed out and a Notice of No Further Action Letter completed.

10.0 LIMITATIONS

This report is limited to the investigation of petroleum hydrocarbons in the vicinity of the 550-gallon heating oil UST formerly located on the Providence Property Management property located at 124 Estes Drive Extension in Carrboro, Orange County, NC. No representations are made concerning any other impacts to the environment except those described in this report. The opinions and conclusions arrived at in this report are in accordance with North Carolina Division of Waste Management regulations and guidelines and industry-accepted geologic and hydrogeologic practices at this time and location. No warranty is implied or intended.

REFERENCES

Brown, et al., 1985, Geologic Map of North Carolina, North Carolina Department of Natural Resources and Community Development, 1:500,000 scale.

North Carolina Administrative Code, Title 15A, Chapter 2, Subchapter 2N, Section .0700, January 1, 1991, "Criteria and Standards Applicable to Underground Storage Tanks".

North Carolina Department of Environment and Natural Resources, Division of Waste Management UST Section, UST Section *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, Effective August 1, 2012.

USGS 7.5-Minute Quadrangle Topographic Maps, Chapel Hill, North Carolina.

TABLES

Table 1 SITE HISTORY (UST SYSTEM INFORMATION)

8/11/2015 Incident Name: Page B. Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750 Facility ID No.: NA

UST	Product	Capacity (gallons)	Date Installed	Date Closed	Release Discovered?
T1	Heating Oil	550	1942	6/29/2015	Yes

Notes:

1. T1 was of steel construction.

Table 2

SUMMARY OF SOIL SAMPLING RESULTS

Date: 8/11/15

Incident Name: Page B Rentals, LLC Property - 124 Estes Drive Extension Incident No.: 39750

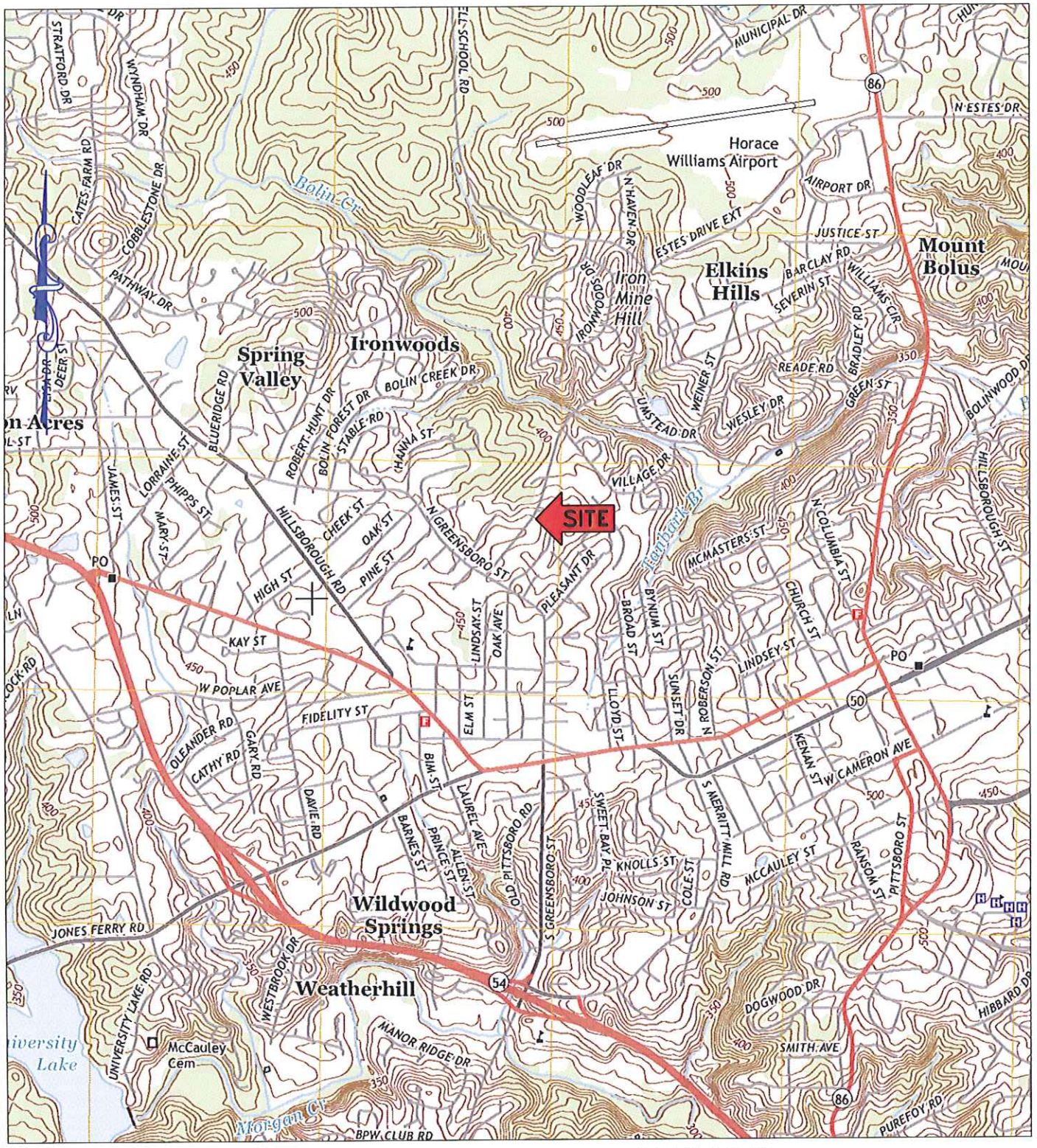
Facility ID No.: NA

		Analytical Method	5030/GRO	3550/DRO	8260	8260	8260	8260	8260	8260	8260	8260	8260	8260	MADEP VPH	MADEP EPH/VPH	MADEP EPH	MADEP EPH/VPH
	Contaminant of Concern		TPH Low Fraction	TPH High Fraction	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	IPE	Acetone	Naphthalene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	C5-C8 Aliphatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
Sample ID	Date Collected	Sample Depth																
B1	6/29/15	6'	34	924	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SW1	6/29/15	6' - 7'	-	-	<0.00040	<0.00046	<0.00044	<0.00149	<0.00054	<0.00098	<0.0053	<0.0010	<0.00056	<0.00063	<0.00584	<11.206	<11.2	<22.402
SW2	6/29/15	6' - 7'	-	-	<0.00046	**0.00082 J**	<0.00051	<0.00174	<0.00063	<0.0012	<0.0062	<0.0012	<0.00065	<0.00074	<0.00752	<12.907	<12.9	<25.802
SW3	6/29/15	6' - 7'	-	-	<0.00048	<0.00056	<0.00053	<0.00182	<0.00065	<0.0012	<0.0065	**0.0021**	<0.00068	<0.00077	<0.00692	<11.007	<11	<22.102
SW4	6/29/15	6' - 7'	-	-	<0.00050	<0.00058	<0.00055	<0.0019	<0.00068	<0.0012	<0.0067	<0.0013	<0.00071	<0.00080	<0.00726	<11.107	<11.1	<22.102
BE1	6/29/15	12'	-	-	<0.00044	<0.00050	<0.00048	<0.00164	<0.00059	<0.0011	**0.029**	<0.0011	<0.00061	<0.00069	<0.00738	<10.907	<10.9	<21.802
Soil to groundwater MSCC			-	-	0.0056	4.3	4.9	4.6	0.091	0.37	24	0.16	8.5	8.3	68	540	#	31
Residential MSCC			-	-	18	1,200	1,560	3,129	350	156	14,000	313	782	782	939	1,500	31,000	469
TPH Action Limit			10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

1. All results in mg/kg = parts per million
2. Bold denotes a compound detection. Shading denotes a Soil-to-Groundwater MSCC violation.
3. < - denotes less than sample detection limit.
4. Sample depths are in feet below ground level.
5. MSCC = Maximum Soil Contaminant Concentration.
6. "J" - The target analyte was positively identified below the quantitation limit and above the detection limit.

FIGURES



MAP SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF CHAPEL HILL, NC

GRAPHIC SCALE

0' 2,000' 4,000'

TERRAquest

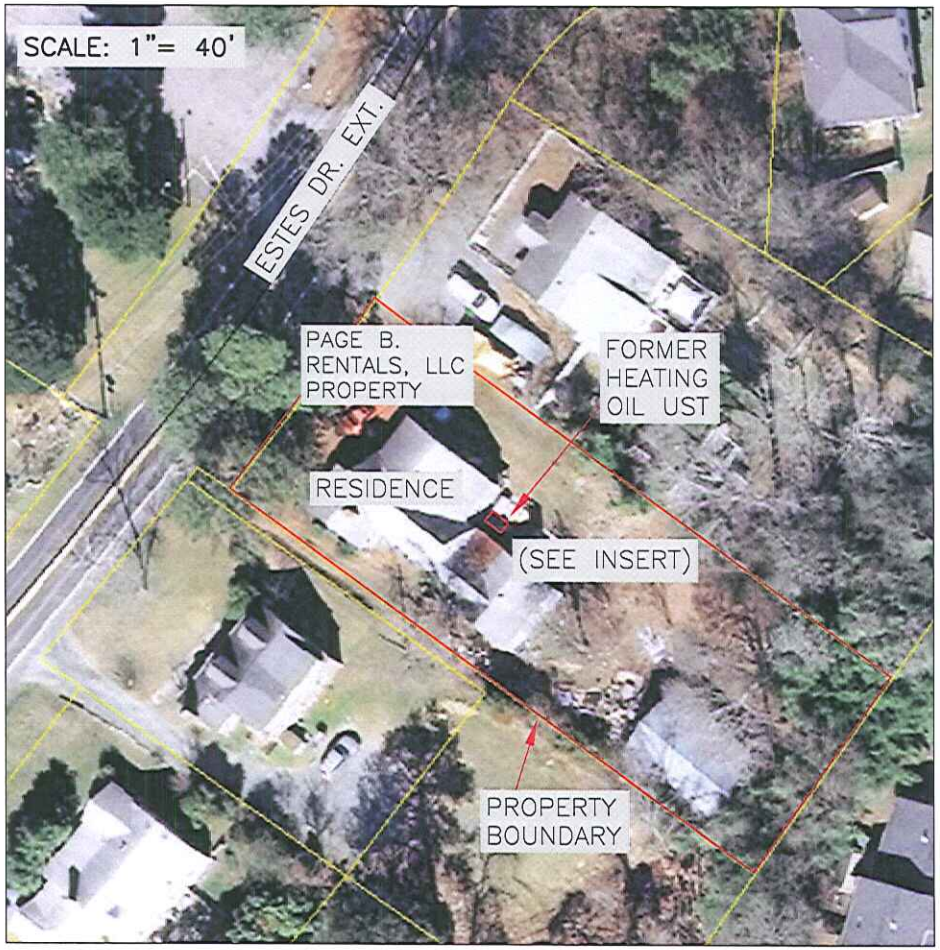
ENVIRONMENTAL CONSULTANTS, P.C.

SITE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC — CARY, NC

PROJECT NO.	04615	DRAWN BY:	JRG	DATE:	8/11/15
SCALE:	1" = 2000'	CHECKED BY:	MJB	FIGURE NO.	1



LEGEND

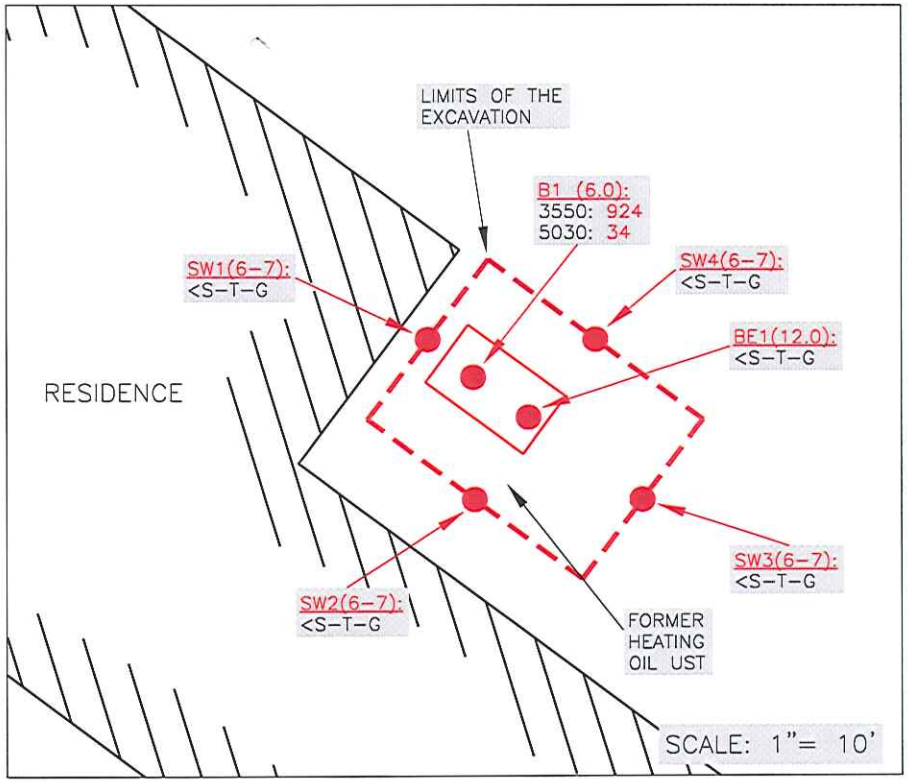
- SOIL SAMPLE LOCATION (SAMPLE DEPTH IN FEET BELOW GROUND LEVEL)

SW AND BE SOIL SAMPLES ANALYZED BY EPA 8260, 8270 BNA, & MADEP VPH/EPH.
B1 SOIL SAMPLE ANALYZED BY TPH 3550 (DRO) & TPH 5030 (GRO).

<S-T-G – NO DETECTIONS ABOVE S-T-G MSCCS
ALL RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

ONLY COMPOUNDS DETECTED AT CONCENTRATIONS GREATER THAN THE S-T-G MSCCS LISTED.
RED UNDERLINED CONCENTRATIONS ARE GREATER THAN RESIDENTIAL MSCCs.

SEE TABLE 2 FOR A COMPLETE LISTING OF DETECTED COMPOUNDS.



SITE LAYOUT & CLOSURE SOIL SAMPLE LOCATION MAP

PAGE B. RENTALS, LLC PROPERTY
124 ESTES DRIVE EXTENSION
CARRBORO, ORANGE COUNTY, NC

PAGE B. RENTALS, LLC CARY, NC

TERRAquest
ENVIRONMENTAL CONSULTANTS, P.C.

PROJECT NO.	04615	DATE:	8/11/15
CHECKED BY:	JRG	SCALE:	VARIES
DRAWN BY:	JTL	FIGURE NO.	2

APPENDIX A

Ferguson's Backhoe, Hauling, & Miscellaneous Welding
1119 Hatch Rd
Chapel Hill, NC

Ferguson's Backhoe, Hauling, & Miscellaneous Welding degassed, cut opened and cleaned out one 550-gallon heating oil UST removed at the Page B. Rentals, LLC property located at 124 Estes Drive Extension in Carrboro, Orange County, NC in accordance with all North Carolina and Federal Regulations. The UST was then cut up and the scrape iron was sent to Orange County Landfill in Chapel Hill, NC. No residual liquid was observed in the UST during closure activities.

North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

Approval for Further Over-Excavation

Date: 7-6-15

Subject:

Incident Name: Robertson Property

Address (Street, City, Zip Code): 124 Estes Dr., Carrboro, NC

Incident Number: 39750

On this day, I, Clark Wipfield, approve the further excavation of 15 tons ~~cubic yards~~ of contaminated soil at the subject incident site based on information provided by the responsible party and/or his/her environmental consultant, Terraques +, and on other criteria specific to the site.

(Signature)

Hydrogeologist
(Position)

Raleigh Regional Office

UST Section, Division of Waste Management, NCDENR

cc: Vance Jackson, TFB Head

UST Regional Offices

Asheville (ARO) – 2090 US Highway 70, Swannanoa, NC 28778 **(828) 296-4500**

Fayetteville (FAY) – 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 **(910) 433-3300**

Mooresville (MOR) – 610 East Center Avenue, Suite 301, Mooresville, NC 28115 **(704) 663-1699**

Raleigh (RRO) – 1628 Mail Service Center, Raleigh, NC 27699 **(919) 791-4200**

Washington (WAS) – 943 Washington Square Mall, Washington, NC 27889 **(252) 946-6481**

Wilmington (WIL) – 127 Cardinal Drive Extension, Wilmington, NC 28405 **(910) 796-7215**

Winston-Salem (WS) – 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, **(336) 776-9800**

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, **(336) 641-3771**

APPRVL morexcvtn LTR1114.dot

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Earthtec of NC, Inc.
PO Box 130
Sanford, NC 27331-0130
Phone: 919.774.4517
Fax: 919.776.6415

CERTIFICATE OF ACCEPTANCE AND DISPOSAL

ISSUED TO: TerraQuest Environmental Consultants, P.C.

ADDRESS: 100 E. Ruffin Street

ADDRESS: Mebane, NC 27302

DATE: July 12, 2015

Earthtec of NC, Inc. hereby accepts full responsibility and liability for 63.54 tons of contaminated soil from:

Page B Rentals

Earthtec of NC, Inc. guarantees the contaminated material will be treated to below regulatory standards established by the North Carolina Department of Environmental and Natural Resources for clean soil.

Earthtec of NC, Inc.

By:_____M. Scott Keller_____
M. Scott Keller, President

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31788
INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 1
Consultant: Teraquest	Contact: Jonathan Grubbs
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6547
Transporter: Ferguson	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight:
	Tare Weight:
	Net Weight:
	13.94 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Grubbs of Teraquest J. Pres 6/29/15
Generator / Agent Signature Par Page Rentals Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
NONE EXPIRES JUNE 30, 2015
GOODYEAR
WHEELS UNLESS SHOWN

32 10- 30-
54380 lb GR
22360 lb TR RECALLED
31320 lb NT
06/29/15 15:18

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 2
Consultant: Terraquest	Contact: Jonathan Cubbs 919 929 563-909
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973 - 953 - 6547
Transporter: Fergusons	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr. Carrboro, NC
Truck #: F-4	Gross Weight: 54380
	Tare Weight: 22560
	Net Weight: 31820
	TON 15.91

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan P. Cubbs of Terraquest for Page B Rentals 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/29/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: _____ Date: 6-29-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

Joe F Holder

32 ID. NO.

54520 lb GR
22960 lb TR RECALLED
31960 lb NT

06/30/15 09:10

NON-HAZARDOUS WASTE MANIFEST

Project Number: 0H615	Load Number: 3
Consultant: Teraquest	Contact: Jonathon Gubbs 919 563-9091
Generator: Page B Rentals	Contact: George Knight Phone: 973 953-6547
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919 929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Heavy Oil	Waste Origination: 124 Estes Dr Carrboro NC
Truck #: F-4	Gross Weight: 54520
	Tare Weight: 22560
	Net Weight: 31960
	15.98

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathon R. Gubbs of Teraquest for Page B. Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/15
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Frankie Holder Date: 6-30-15

Earthtec of NC, Inc.
Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517
Fax #: 919-774-6415

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2015
JOE F. HOLDER 31798
VALID UNLESS SIGNED

32 ID. NO.

57980 lb GR
22560 lb TR RECALLED
35420 lb NT

06/30/15 10:32

NON-HAZARDOUS WASTE MANIFEST

Project Number: 04615	Load Number: 4
Consultant: Terraquest	Contact: Jonathan Gibbs 919 563-9091
Generator: Page B Rentals, LLC	Contact: George Knight Phone: 973-953-6549
Transporter: Ferguson's	Contact: Ben Ferguson Phone 919929-5209
Destination: Earthtec Environmental, Inc	Contact: Phone:
Waste Description: Healy 0:1	Waste Origination: 124 Estes Dr. Carrboro NC
Truck #: F-4	Gross Weight: 57980
	Tare Weight: 22560
	Net Weight: 35420
	17.71 tons

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Jonathan R. Gibbs of Terraquest for Page B Rentals LLC 6/29/15
Generator / Agent Signature Title Date

Acknowledgment of Receipt of Material: Ben Ferguson 6/30/2015
Drivers Signature Date

Noted Discrepancies: _____

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Franklin Holder Date: 6-30-15

APPENDIX B



Picture 1: The UST at 124 Estes Drive Ext. contained numerous holes along the bottom, sides, and seams.



Picture 2: Soils beneath the UST were stained and exhibited a petroleum odor.



Picture 3: Limits of the excavation looking northwest.



Picture 4: Limits of the excavation looking west.

APPENDIX C

TECHNICAL METHODS/STANDARD PROCEDURES

Equipment Decontamination

All soil sampling equipment utilized during site assessment activities is decontaminated according to standard and accepted protocol. Cleaning solutions range from clean potable water to acidic solutions or organic solvents depending on the contaminants present at the site. Equipment utilized at sites, such as hand augers, contaminated with petroleum hydrocarbons, is generally decontaminated with a low-sudsing detergent such as Luiquinox® and triple rinsed with distilled water. Larger equipment, such as drill rigs and associated tools, is steam cleaned. All decontamination procedures are completed within an established decontamination area which is located away from the active study area. Frequency of equipment decontamination depends on the nature of work being performed, but in no case is decontamination performed less frequently than once per test (i.e., soil boring, well installation, sample collection, etc.). Equipment blanks are collected as a quality control measure when required by job specifications.

Soil Boring Installation

Soil borings are completed using hand-operated sampling tools, truck-mounted drills, or Geoprobe® drilling rigs depending on the depth of sample collection and other site-specific conditions. Hand operated stainless-steel bucket augers are utilized to collect soil samples at regular intervals to determine site stratigraphy and to test for the presence of volatile organic compounds. Samples retrieved from the hand auger are necessarily disturbed during the augering process, but can provide accurate information on soil type and contaminant concentrations when properly interpreted. Soil samples from hand augered borings are generally retrieved at one to two foot intervals.

Truck-mounted or Geoprobe® drilling equipment is often utilized when sample retrieval depths exceed twenty feet or subsurface conditions prevent utilization of hand augers (i.e., buried rocks, wood, bricks or other materials occur in the subsurface). Truck-mounted drilling rigs usually retrieve soil via a hollow-stem auger/split spoon collection method. Geoprobe® rigs usually employ a Macro-Core® tube retrieval system.

Hollow stem augers provide relatively undisturbed 2-foot cores of soil samples. Soil samples are generally collected at five foot intervals utilizing standard penetration test procedures as defined by the American Society for Testing and Materials (ASTM) or are pushed to the desired depth using the head of the drill rig. The standard penetration test involves driving a 2" outside diameter by 1-3/8" inside diameter split-spoon sampler a minimum distance of one foot with a 340-lb. slide hammer falling a distance of 30 inches.

A Geoprobe® rig is a hydraulically-powered soil probing machine. The probe utilizes static force and percussion to advance a small diameter sampling device into the subsurface. The sampling apparatus provides relatively undisturbed 5-foot cores of soil samples. Soil samples are collected

continuously. The Macro-Core® tube contains an inserted poly-vinyl chloride (PVC) liner which retains the soil sample as the tube is driven into the ground. The Macro-Core® tube is decontaminated between each 5-foot sample interval in a soil boring using a Liquinox and tap-water mixture. A new PVC liner is used to collect soil from each sample interval in a soil boring.

Soil samples retrieved from the hollow-stem augers or Geoprobe are then carefully described according to the Unified Soil Classification System. Soil descriptions are recorded on a soil boring log.

Soil Sampling

Soils to be analyzed by a North Carolina-certified laboratory are prepared according to the specified analytical method. Initially, soil samples are removed from the ground using either a hand auger, backhoe bucket, spilt spoon auger, or a Macro-Core® sampling tube. During the removal, care is taken to keep the disturbance of the soil structure to a minimum to reduce the loss of contaminants. Once removed, the samples are placed in the proper sample container for the specified analytical method. For samples collected for the MADEP VPH and 8260 method, a TerraCore® sampler is used to collect three 5-gram allotments of soil. All three allotments are placed in methanol-preserved 40 mL vials. Also, two 5-gram allotments of soil are placed into sodium bisulfate-preserved 40 mL vials (5-gram each vial) for the 8260 low concentration method. A 250-mL glass jar of the sampled soil is also collected to provide moisture content information. Soils sampled for MADEP EPH, EPA Methods 8270 and TPH 5030 and 3550 are placed in a 250-mL glass jar. TPH 5030 samples are preserved in methanol similar to the 8260 analysis. Field personnel wear new, disposable latex gloves during the collection of each sample.

The soil samples are labeled with the sample location, sample identification, date and time of collection, and the analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

If the soil is being sampled for volatile or semi-volatile compounds, a portion of the collected soil is placed in a sealable bag and screened for volatile organic vapors. Head screening procedures are described in the following paragraph.

Headspace Screening

Collected soil samples are routinely tested for the presence of volatile organic compounds (VOCs). After retrieval from the ground, a portion of a soil sample is placed in a sealable plastic bag. The soil samples are then set aside for approximately five minutes so that volatile constituents present in the sample can reach equilibrium concentrations with headspace gases in the bag. Once a suitable time period has passed, the probe of the sampling instrument, typically an Organic Vapor Monitor (OVM) or a Photo Ionization Meter (PID), is inserted into the bag and the relative concentration of total VOCs is measured and permanently recorded in a field note book. VOC concentrations are measured using either a Thermo Electron Corp. Innova Series catalytic OVM or

an Ion Science PhoCheck PID. Both the OVM and PID instrumentation are periodically calibrated according to the manufacturer's recommended procedures.

The OVM and PID are qualitative tools employed to detect and estimate the concentration of organic or hydrocarbon vapors. A thin probe is inserted through a small break in the seal of a bagged soil sample. For the OVM, an air sample from the headspace of the bag is drawn through the probe into an internal chamber where the vapors are catalyzed. The concentration of the VOCs is registered on a digital scale in parts per million (ppm). For the PID, an air sample from the headspace of the bag is drawn across the face of a lamp causing the sample to emit photons, the presence of which are converted into a VOC ppm reading that is displayed. Oxygen levels are field calibrated prior to each use. VOC calibration occurs periodically depending upon use by using a span gas of known concentration in a process recommended by the manufacturer.

Well Installation/Construction

Monitoring wells are installed using hand-operated sampling tools, a truck-mounted drill rig, or a Geoprobe drilling rig depending on the depth of well and other site-specific conditions. All monitoring wells are installed according to the requirements of 15A NCAC 2C-Well Construction Standards. Specifically, individual monitoring wells are constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad is installed for each well.

Type II Monitoring Well Construction

Single-cased monitoring wells are generally used in delineation of groundwater quality within the surficial aquifer. The wells are constructed of 2-inch diameter, schedule 40 PVC casing and screen. The screen interval is generally 10 to 15 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with a Portland (Type I/II) cement grout mixture. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Type III Monitoring Well Construction

Double-cased monitoring wells are used in the delineation of groundwater quality within a deeper portion of the surficial aquifer or an additional aquifer (e.g. aquitard, bedrock). A four to six-inch outer casing is installed through the surficial aquifer until a sufficient depth or until the deeper aquifer is encountered. The casing is secured with a Portland-grout collar that is tremmied into

the annular spaced from the bottom of the bore hole to the surface. Once the grout has sufficiently cured, the bore hole is continued through the bottom of the outer casing to a depth approximately 15 - 20 feet beneath the outer casing. The inner casing is constructed of 2-inch diameter, schedule 40 PVC casing riser and screen. The screen interval is generally 5 to 10 feet of machine slotted PVC with a slot size of 0.010". Only flush threaded joints are used. The annulus space around the screen is filled with washed filter pack No. 2 sand. The filter pack extends one to two feet above the top of the screen. A one to two foot-thick bentonite pellet seal is then placed above the filter pack. The remainder of the well annulus is completely filled with the same Portland grout mixture used in the outer casing. A protective outer steel manhole, locking cap, and concrete pad are installed for each well.

Well Development

Following installation of each well, surging and pumping or bailing techniques will be used to remove fines from the screened interval. Groundwater is removed from each well until clear water is retrieved or a noticeable reduction in the amount of silt is achieved. Purged groundwater is disposed of in an environmentally safe manner.

Groundwater Sampling

Petroleum Sites

Groundwater samples are collected from temporary or permanent monitoring wells according to established sampling protocol. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known. When permanent monitoring wells for petroleum sites are sampled, the well is purged of a minimum of three well-bore volumes prior to sample collection in order to assure that sampled water is representative of aquifer conditions. In temporary wells, the first water which migrates into the open borehole is sampled. Samples from both temporary and permanent monitoring wells are collected using individually wrapped disposable polyethylene bailers by field personnel wearing disposable latex gloves. Only one well is sampled with a given bailer in order to prevent sample cross-contamination. During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different samples to reduce the chance of cross-contamination. Water samples are transferred from the bailer to laboratory-prepared sampling containers using slow emptying devices to reduce the chance of contamination loss through volatilization. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Other Groundwater Sampling Protocols

When required by state or federal regulations, low-flow groundwater sampling procedures are instituted. Groundwater samples collected in low-flow situations are collected using a peristaltic pump. A peristaltic pump is a type of positive displacement pump. The fluid is contained within a flexible tube fitted inside a circular pump casing. A rotor with a number of rollers attached to the external circumference compresses the flexible tube. As the rotor turns, the part of tube under compression closes thus forcing the fluid to be pumped to move through the tube. Groundwater parameters such as water level drawdown, pH, conductivity, dissolved oxygen (DO) and turbidity. Pumping rate, drawdown, and the time or volume required to obtain stabilization of parameter readings can be used as a future guide to purge the well. Measurements are collected at a pre-pumping established interval (typically five to ten minutes). Once all or a majority of the parameters have stabilized for three successive readings, stabilization has been achieved. In lieu of measuring all five parameters, a minimum subset would include pH, conductivity, and turbidity or DO. Three successive readings should be within ± 0.1 for pH, ± 3% for conductivity, and ± 10% for turbidity and DO.

Upon parameter stabilization, sampling is initiated. Sampling flow rate is maintained at the established purge rate or is adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. The same device used for purging is used to collect the groundwater sample. Generally, volatile parameters are sampled first. The sequence in which samples for inorganic parameters are collected is not determined unless filtered (dissolved) samples are collected. Preservatives, such as acids, are added to samples directly after they are collected if in-field preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

During both well purging and sampling, proper protective clothing and equipment is used and is dependent upon the type and level of contaminants present. Also, field personnel change gloves between different monitoring wells or sampling points to reduce the chance of cross-contamination. When multiple monitoring wells or sampling points are sampled, sampling is completed beginning with the least contaminated well to the most contaminated well, if it is known.

Stockpile Sampling

The number of composite samples collected from a stockpile or a total quantity of excavated soil is based upon the cubic yardage. One composite sample is collected for every 100 cubic yards of contaminated soil excavated. The volume of a stockpile or total quantity of excavated soil is calculated by approximating the general geometry of a stockpile or estimating the capacity of the dump trucks used for hauling. If a stockpile is sampled, a grid pattern is laid out on the stockpile, dividing the stockpile into segments of approximately 200 cubic yards. Two soil borings are

advanced within a grid and three soil samples are collected from each soil boring at various depths. The six soil samples are mixed into a composite sample by a trained TerraQuest technician. If truck loads are sampled, an aliquot sample is collected from the hauling trucks at a frequency based upon the capacity of the hauling trucks.

Aliquots are gently mixed into a composite sample by a trained TerraQuest technician. Every effort is made to minimize the loss of contaminants through volatilization. The composited soil samples are jarred in the appropriate laboratory-prepared containers, labeled with the sample location, sample identification, date of collection, time of collection, the analytical method, and the preservative. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Surface Water Sampling

Surface water samples, specifically samples from creeks or streams, are collected from a moving/flowing portion of the creek or stream to ensure that stagnant water is not collected. Field personnel are careful to collect samples from flowing areas that are not so turbulent as to cause a loss of volatile contaminants which might have been contained in the creek's/stream's water. Samples are collected by field personnel wearing disposable latex gloves. Field personnel change gloves between different locations to reduce the chance of cross-contamination. Samples are collected directly from the appropriate creek or stream location and placed into the appropriate laboratory-prepared containers. Preservatives, such as acids, are added to samples directly after they are collected if preservation is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are cooled on ice to approximately four degrees centigrade, sent to a certified laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Potable Well Sampling

Groundwater samples from potable wells are collected from sampling points, typically spigots, located in the closest proximity to the potable well pump house as possible. Prior to sample collection, the water is run for a sufficient amount of time to purge the bladder tank and assure that sampled water is representative of aquifer conditions. Once purged, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers and the appropriate acid preservatives are added if preservation of the sample is necessary. The samples are labeled with the project name, project number, sample identification, required analysis, and date and time of collection. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Public Water Supply Line Sampling

Groundwater samples from public water supply lines are collected from sampling points, typically spigots. To sample the spigot, the flow rate is reduced and samples are placed in the appropriate laboratory prepared containers. The samples are labeled with the sample location, sample identification, date of collection, time of collection, and required analytical method. The samples are placed on ice, sent to a laboratory, and analyzed before the expiration of an analytical method's prescribed holding time. Chain-of-custody documentation is maintained for each sample collected in the field.

Air Sampling

Air samples are collected with the aide of a manually operated MityVac® pump manufactured by Pristech, Inc. The air sampling process begins by connecting a length of rubber hose from the MityVac® pump to the port to be sampled, or by hanging the hose inside of an emissions stack in such a manner as to ensure no outside air causes dilution. Another length of hose is fixed to the outlet port of the pump and is connected to a new Tedlar bag. Once the pump is hooked up, a valve on the Tedlar collection bag is opened and air is manually forced into the bag by the pumping action of sampling personnel.

Field Measurements

Field measurements taken to determine the pH, conductivity, temperature, and dissolved oxygen concentration of a particular groundwater sample are taken directly after a particular monitoring well has been adequately purged. This ensures that the groundwater parameter data collected is representative of the aquifer conditions at a given location. Once purging of the monitoring well is complete, the decontaminated probe head and cord of the appropriate unit is lowered into the required monitoring well. If the depth to water in a specific monitoring well is greater than the length of cord for a particular unit, a new, disposable bailer is slowly lowered into the appropriate monitoring well and a representative groundwater sample is retrieved. A slow pouring device is fitted onto the end of the disposable bailer and the sample is slowly poured into a new, disposable plastic cup. Groundwater parameter data are then collected from the groundwater in the cup using the required unit.

For pH, conductivity, and temperature, a Hanna Instruments Model 991300 portable meter is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves lowering the meter's probe into the new, disposable cup containing the groundwater sample to be measured and slowly stirring the probe to force groundwater across the probe's membrane. The measurements displayed by the meter are then recorded.

For dissolved oxygen concentration measurements, a YSI® Model 55 Handheld Dissolved Oxygen System is utilized. This unit is periodically calibrated and maintained in accordance with the unit's operations manual by field personnel. Prior to data collection, the unit is properly decontaminated to prevent cross-contamination. The unit is decontaminated between each sample. The procedure used for sample measurement involves adjusting the unit for the correct altitude where the sampling will take place and adjusting the reported units desired. Once this is done, the unit's probe is inserted into the groundwater sample to be measured and the probe is slowly stirred to force the groundwater across the probe's membrane. The measurements displayed by the unit are then recorded.

For turbidity measurements, a Hach 2100P Portable Turbidity meter or equal equivalent is utilized. The unit is calibrated prior to use in accordance with the unit's operations manual by field personnel. Groundwater samples are collected in glass containers for measurement by the instrument. The glass containers are washed with bottled-water between each measurement collection. Once the sample is collected and inserted into the instrument, the measurements displayed by the instrument are then recorded.

APPENDIX D

Analytical Report 510685

for

Terraquest Environmental Consultants, P.C.

Project Manager: Jonathan Grubbs

124 Estes Dr.

04615

08-JUL-15

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-15-19), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Texas (T104704477), Louisiana (04176), USDA (P330-07-00105)

Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

08-JUL-15

Project Manager: **Jonathan Grubbs**
Terraquest Environmental Consultants, P.C.
100 E. Ruffin Street
Mebane, NC 27302

Reference: XENCO Report No(s): **510685**
124 Estes Dr.
Project Address: Carrboro, NC

Jonathan Grubbs:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 510685. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 510685 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Debbie Simmons

Debbie Simmons
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
B1 (6.0)	S	06-29-15 09:45	6.0 ft	510685-001
SW1 (6-7)	S	06-29-15 11:02	6 - 7 ft	510685-002
SW2 (6-7)	S	06-29-15 15:05	6 - 7 ft	510685-003
SW3 (6-7)	S	06-29-15 15:10	6 - 7 ft	510685-004
SW4 (6-7)	S	06-29-15 15:15	6 - 7 ft	510685-005
BE1 (12.0)	S	06-29-15 15:00	12.0 ft	510685-006
Trip Blank	W	06-29-15 00:00		510685-007

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **B1 (6.0)** Matrix : Soil % Moisture : 39.54
Lab Sample Id : 510685-001 Date Collected : 06.29.15 09.45 Basis : Dry Weight
Sample Depth : 6.0 ft Date Received : 07.01.15 10.01

Analytical Method : TPH-Diesel Range Organics by SW-846 8015C Prep Method: SW3545
Seq Number 971523 Date Prep: 07.01.15 10.15

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	924	mg/kg	07.02.15 21.04		1

Analytical Method : TPH-Gasoline Range Organics by SW-846 8015C Prep Method: SW5030B
Seq Number 971499 Date Prep: 07.01.15 18.28

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	34	mg/kg	07.01.15 23.20		50

Sample Id : **SW2 (6-7)** Matrix : Soil % Moisture : 23.74
Lab Sample Id : 510685-003 Date Collected : 06.29.15 15.05 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971611 Date Prep: 07.03.15 11.14

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Toluene	108-88-3	0.00082	mg/kg	07.03.15 14.32	J	1

Sample Id : **SW3 (6-7)** Matrix : Soil % Moisture : 10.68
Lab Sample Id : 510685-004 Date Collected : 06.29.15 15.10 Basis : Dry Weight
Sample Depth : 6 - 7 ft Date Received : 07.01.15 10.01

Analytical Method : VOCs by SW-846 8260B Prep Method: SW5035
Seq Number 971495 Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	0.0021	mg/kg	07.01.15 22.03		1

Hits Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id : **BE1 (12.0)**
Lab Sample Id : 510685-006
Sample Depth : 12.0 ft

Matrix : Soil
Date Collected : 06.29.15 15.00
Date Received : 07.01.15 10.01

% Moisture : 8.96
Basis : Dry Weight

Analytical Method : VOCs by SW-846 8260B
Seq Number 971495

Prep Method: SW5035
Date Prep: 07.01.15 14.36

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.029	mg/kg	07.01.15 22.47		1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**B1 (6.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-001	Date Collected:	06.29.15 09.45	Sample Depth:	6.0 ft

Analytical Method:	TPH-Diesel Range Organics by SW-846 8015C			Prep Method:	SW3545
Tech:	VBR			% Moisture:	39.54
Analyst:	CLAR	Date Prep:	07.01.15 10.15	Basis:	Dry Weight
Seq Number:	971523				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	**924**	27.4	8.43	mg/kg	07.02.15 21.04		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	92	%	32-128	07.02.15 21.04	

Analytical Method:	TPH-Gasoline Range Organics by SW-846 8015C			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	39.54
Analyst:	ZHO	Date Prep:	07.01.15 18.28	Basis:	Dry Weight
Seq Number:	971499				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	**34**	4.2	2.4	mg/kg	07.01.15 23.20		50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	90	%	57-131	07.01.15 23.20	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.4	22.4	mg/kg	07.06.15 22.24	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.2	11.2	mg/kg	07.07.15 03.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	50	%	40-140	07.07.15 03.50	
o-Terphenyl	84-15-1	82	%	40-140	07.06.15 22.24	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.06.15 22.24	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.374	0.0661	mg/kg	07.07.15 17.26	U	1
1,2-Dichlorobenzene	95-50-1		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
1,3-Dichlorobenzene	541-73-1		U	0.374	0.0590	mg/kg	07.07.15 17.26	U	1
1,4-Dichlorobenzene	106-46-7		U	0.374	0.0583	mg/kg	07.07.15 17.26	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.374	0.0721	mg/kg	07.07.15 17.26	U	1
2,4-Dichlorophenol	120-83-2		U	0.374	0.0475	mg/kg	07.07.15 17.26	U	1
2,4-Dimethylphenol	105-67-9		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2,4-Dinitrotoluene	121-14-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
2,6-Dinitrotoluene	606-20-2		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
2-Chloronaphthalene	91-58-7		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
2-Chlorophenol	95-57-8		U	0.374	0.0669	mg/kg	07.07.15 17.26	U	1
2-Methylnaphthalene	91-57-6		U	0.374	0.0572	mg/kg	07.07.15 17.26	U	1
2-methylphenol	95-48-7		U	0.747	0.0523	mg/kg	07.07.15 17.26	U	1
2-Nitroaniline	88-74-4		U	0.374	0.0501	mg/kg	07.07.15 17.26	U	1
2-Nitrophenol	88-75-5		U	0.747	0.0471	mg/kg	07.07.15 17.26	U	1
3&4-Methylphenol	15831-10-4		U	1.87	0.111	mg/kg	07.07.15 17.26	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.374	0.0546	mg/kg	07.07.15 17.26	U	1
3-Nitroaniline	99-09-2		U	0.374	0.0516	mg/kg	07.07.15 17.26	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.374	0.0650	mg/kg	07.07.15 17.26	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.187	0.0635	mg/kg	07.07.15 17.26	U	1
4-chloro-3-methylphenol	59-50-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
4-Chloroaniline	106-47-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1
4-Nitroaniline	100-01-6		U	0.747	0.0568	mg/kg	07.07.15 17.26	U	1
4-Nitrophenol	100-02-7		U	0.747	0.0460	mg/kg	07.07.15 17.26	U	1
Acenaphthene	83-32-9		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Acenaphthylene	208-96-8		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.374	0.0411	mg/kg	07.07.15 17.26	U	1
Anthracene	120-12-7		U	0.374	0.0553	mg/kg	07.07.15 17.26	U	1
Benzo(a)anthracene	56-55-3		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Benzo(a)pyrene	50-32-8		U	0.374	0.0549	mg/kg	07.07.15 17.26	U	1
Benzo(b)fluoranthene	205-99-2		U	0.374	0.0609	mg/kg	07.07.15 17.26	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.374	0.0617	mg/kg	07.07.15 17.26	U	1
Benzo(k)fluoranthene	207-08-9		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Benzoic Acid	65-85-0		U	0.747	0.0590	mg/kg	07.07.15 17.26	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.374	0.0561	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.374	0.0448	mg/kg	07.07.15 17.26	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.187	0.0531	mg/kg	07.07.15 17.26	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	11.07
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.374	0.0505	mg/kg	07.07.15 17.26	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.374	0.0605	mg/kg	07.07.15 17.26	U	1
Chrysene	218-01-9		U	0.374	0.0497	mg/kg	07.07.15 17.26	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.374	0.0725	mg/kg	07.07.15 17.26	U	1
Dibenzofuran	132-64-9		U	0.374	0.0478	mg/kg	07.07.15 17.26	U	1
Diethyl Phthalate	84-66-2		U	0.374	0.0602	mg/kg	07.07.15 17.26	U	1
Dimethyl Phthalate	131-11-3		U	0.374	0.0564	mg/kg	07.07.15 17.26	U	1
di-n-Butyl Phthalate	84-74-2		U	0.374	0.0688	mg/kg	07.07.15 17.26	U	1
di-n-Octyl Phthalate	117-84-0		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Fluoranthene	206-44-0		U	0.374	0.0486	mg/kg	07.07.15 17.26	U	1
Fluorene	86-73-7		U	0.374	0.0456	mg/kg	07.07.15 17.26	U	1
Hexachlorobenzene	118-74-1		U	0.374	0.0624	mg/kg	07.07.15 17.26	U	1
Hexachlorobutadiene	87-68-3		U	0.374	0.0415	mg/kg	07.07.15 17.26	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.374	0.0643	mg/kg	07.07.15 17.26	U	1
Hexachloroethane	67-72-1		U	0.374	0.0579	mg/kg	07.07.15 17.26	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.374	0.0680	mg/kg	07.07.15 17.26	U	1
Isophorone	78-59-1		U	0.374	0.0385	mg/kg	07.07.15 17.26	U	1
Naphthalene	91-20-3		U	0.374	0.0598	mg/kg	07.07.15 17.26	U	1
Nitrobenzene	98-95-3		U	0.374	0.0665	mg/kg	07.07.15 17.26	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.374	0.0534	mg/kg	07.07.15 17.26	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.374	0.0785	mg/kg	07.07.15 17.26	U	1
Pentachlorophenol	87-86-5		U	0.747	0.0676	mg/kg	07.07.15 17.26	U	1
Phenanthrene	85-01-8		U	0.374	0.0620	mg/kg	07.07.15 17.26	U	1
Phenol	108-95-2		U	0.374	0.0523	mg/kg	07.07.15 17.26	U	1
Pyrene	129-00-0		U	0.374	0.0635	mg/kg	07.07.15 17.26	U	1
Pyridine	110-86-1		U	0.374	0.0710	mg/kg	07.07.15 17.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	71	%	25-121	07.07.15 17.26	
Nitrobenzene-d5	4165-60-0	80	%	23-120	07.07.15 17.26	
2-Fluorobiphenyl	321-60-8	76	%	30-115	07.07.15 17.26	
2,4,6-Tribromophenol	118-79-6	77	%	19-122	07.07.15 17.26	
Terphenyl-D14	1718-51-0	84	%	18-137	07.07.15 17.26	
Phenol-d5	4165-62-2	67	%	15-110	07.07.15 17.26	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	11.07
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00584	0.00584	mg/kg	07.02.15 18.02	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00195	0.00195	mg/kg	07.02.15 18.02	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	121	%	70-130	07.02.15 18.02	
2,5-Dibromotoluene (PID)	615-59-8	125	%	70-130	07.02.15 18.02	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00077	0.00058	mg/kg	07.03.15 14.54	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0015	0.00092	mg/kg	07.03.15 14.54	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethane	75-34-3		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
1,1-Dichloroethene	75-35-4		U	0.0015	0.00090	mg/kg	07.03.15 14.54	U	1
1,1-Dichloropropene	563-58-6		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0015	0.0013	mg/kg	07.03.15 14.54	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00077	0.00056	mg/kg	07.03.15 14.54	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00077	0.00067	mg/kg	07.03.15 14.54	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0015	0.00100	mg/kg	07.03.15 14.54	U	1
1,2-Dichloroethane	107-06-2		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
1,2-Dichloropropane	78-87-5		U	0.00077	0.00072	mg/kg	07.03.15 14.54	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00077	0.00063	mg/kg	07.03.15 14.54	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
1,3-Dichloropropane	142-28-9		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00077	0.00053	mg/kg	07.03.15 14.54	U	1
2,2-Dichloropropane	594-20-7		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
2-Butanone (MEK)	78-93-3		U	0.0077	0.0018	mg/kg	07.03.15 14.54	U	1
2-Chlorotoluene	95-49-8		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
2-Hexanone	591-78-6		U	0.0077	0.00087	mg/kg	07.03.15 14.54	U	1
4-Chlorotoluene	106-43-4		U	0.00077	0.00043	mg/kg	07.03.15 14.54	U	1
4-Isopropyltoluene	99-87-6		U	0.00077	0.00062	mg/kg	07.03.15 14.54	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0077	0.0025	mg/kg	07.03.15 14.54	U	1
Acetone	67-64-1		U	0.0077	0.0053	mg/kg	07.03.15 14.54	U	1
Benzene	71-43-2		U	0.00077	0.00040	mg/kg	07.03.15 14.54	U	1
Bromobenzene	108-86-1		U	0.00077	0.00066	mg/kg	07.03.15 14.54	U	1
Bromochloromethane	74-97-5		U	0.0015	0.00078	mg/kg	07.03.15 14.54	U	1
Bromodichloromethane	75-27-4		U	0.00077	0.00039	mg/kg	07.03.15 14.54	U	1
Bromoform	75-25-2		U	0.00077	0.00074	mg/kg	07.03.15 14.54	U	1
Bromomethane	74-83-9		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Carbon tetrachloride	56-23-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chlorobenzene	108-90-7		U	0.00077	0.00045	mg/kg	07.03.15 14.54	U	1
Chlorodibromomethane	124-48-1		U	0.00077	0.00077	mg/kg	07.03.15 14.54	U	1
Chloroethane	75-00-3		U	0.0039	0.0019	mg/kg	07.03.15 14.54	U	1
Chloroform	67-66-3		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
Chloromethane	74-87-3		U	0.0039	0.0018	mg/kg	07.03.15 14.54	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1

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Sample Id:	**SW1 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-002	Date Collected:	06.29.15 11.02	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	11.07
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00077	0.00042	mg/kg	07.03.15 14.54	U	1
Dichlorodifluoromethane	75-71-8		U	0.0015	0.00091	mg/kg	07.03.15 14.54	U	1
Ethanol	64-17-5		U	0.039	0.022	mg/kg	07.03.15 14.54	U	1
Ethylbenzene	100-41-4		U	0.00077	0.00044	mg/kg	07.03.15 14.54	U	1
Isopropyl Ether	108-20-3		U	0.0015	0.00098	mg/kg	07.03.15 14.54	U	1
Isopropylbenzene	98-82-8		U	0.00077	0.00059	mg/kg	07.03.15 14.54	U	1
m,p-Xylenes	179601-23-1		U	0.00155	0.000936	mg/kg	07.03.15 14.54	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0015	0.00054	mg/kg	07.03.15 14.54	U	1
Methylene chloride	75-09-2		U	0.0039	0.0017	mg/kg	07.03.15 14.54	U	1
Naphthalene	91-20-3		U	0.0015	0.0010	mg/kg	07.03.15 14.54	U	1
n-Butylbenzene	104-51-8		U	0.00077	0.00068	mg/kg	07.03.15 14.54	U	1
n-Propylbenzene	103-65-1		U	0.00077	0.00061	mg/kg	07.03.15 14.54	U	1
o-Xylene	95-47-6		U	0.000774	0.000554	mg/kg	07.03.15 14.54	U	1
sec-Butylbenzene	135-98-8		U	0.00077	0.00051	mg/kg	07.03.15 14.54	U	1
Styrene	100-42-5		U	0.00077	0.00057	mg/kg	07.03.15 14.54	U	1
tert-Butylbenzene	98-06-6		U	0.00077	0.00065	mg/kg	07.03.15 14.54	U	1
Tetrachloroethene	127-18-4		U	0.0015	0.00080	mg/kg	07.03.15 14.54	U	1
Toluene	108-88-3		U	0.00077	0.00046	mg/kg	07.03.15 14.54	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00077	0.00060	mg/kg	07.03.15 14.54	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00077	0.00052	mg/kg	07.03.15 14.54	U	1
Trichloroethene	79-01-6		U	0.00077	0.00055	mg/kg	07.03.15 14.54	U	1
Trichlorofluoromethane	75-69-4		U	0.0039	0.0027	mg/kg	07.03.15 14.54	U	1
Vinyl acetate	108-05-4		U	0.0039	0.00056	mg/kg	07.03.15 14.54	U	1
Vinyl chloride	75-01-4		U	0.0039	0.0016	mg/kg	07.03.15 14.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	123	%	50-150	07.03.15 14.54	
4-Bromofluorobenzene	460-00-4	100	%	57-158	07.03.15 14.54	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.54	

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	25.8	25.8	mg/kg	07.07.15 00.10	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	12.9	12.9	mg/kg	07.07.15 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	41	%	40-140	07.07.15 05.25	
o-Terphenyl	84-15-1	73	%	40-140	07.07.15 00.10	
2-Fluorobiphenyl	321-60-8	68	%	40-140	07.07.15 00.10	

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.434	0.0769	mg/kg	07.07.15 17.55	U	1
1,2-Dichlorobenzene	95-50-1		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
1,3-Dichlorobenzene	541-73-1		U	0.434	0.0687	mg/kg	07.07.15 17.55	U	1
1,4-Dichlorobenzene	106-46-7		U	0.434	0.0678	mg/kg	07.07.15 17.55	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.434	0.0839	mg/kg	07.07.15 17.55	U	1
2,4-Dichlorophenol	120-83-2		U	0.434	0.0552	mg/kg	07.07.15 17.55	U	1
2,4-Dimethylphenol	105-67-9		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2,4-Dinitrotoluene	121-14-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
2,6-Dinitrotoluene	606-20-2		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
2-Chloronaphthalene	91-58-7		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
2-Chlorophenol	95-57-8		U	0.434	0.0778	mg/kg	07.07.15 17.55	U	1
2-Methylnaphthalene	91-57-6		U	0.434	0.0665	mg/kg	07.07.15 17.55	U	1
2-methylphenol	95-48-7		U	0.869	0.0608	mg/kg	07.07.15 17.55	U	1
2-Nitroaniline	88-74-4		U	0.434	0.0582	mg/kg	07.07.15 17.55	U	1
2-Nitrophenol	88-75-5		U	0.869	0.0547	mg/kg	07.07.15 17.55	U	1
3&4-Methylphenol	15831-10-4		U	2.17	0.129	mg/kg	07.07.15 17.55	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.434	0.0634	mg/kg	07.07.15 17.55	U	1
3-Nitroaniline	99-09-2		U	0.434	0.0600	mg/kg	07.07.15 17.55	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.434	0.0756	mg/kg	07.07.15 17.55	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.217	0.0739	mg/kg	07.07.15 17.55	U	1
4-chloro-3-methylphenol	59-50-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
4-Chloroaniline	106-47-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1
4-Nitroaniline	100-01-6		U	0.869	0.0660	mg/kg	07.07.15 17.55	U	1
4-Nitrophenol	100-02-7		U	0.869	0.0534	mg/kg	07.07.15 17.55	U	1
Acenaphthene	83-32-9		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Acenaphthylene	208-96-8		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.434	0.0478	mg/kg	07.07.15 17.55	U	1
Anthracene	120-12-7		U	0.434	0.0643	mg/kg	07.07.15 17.55	U	1
Benzo(a)anthracene	56-55-3		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Benzo(a)pyrene	50-32-8		U	0.434	0.0639	mg/kg	07.07.15 17.55	U	1
Benzo(b)fluoranthene	205-99-2		U	0.434	0.0708	mg/kg	07.07.15 17.55	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.434	0.0717	mg/kg	07.07.15 17.55	U	1
Benzo(k)fluoranthene	207-08-9		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Benzoic Acid	65-85-0		U	0.869	0.0687	mg/kg	07.07.15 17.55	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.434	0.0652	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.434	0.0521	mg/kg	07.07.15 17.55	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.217	0.0617	mg/kg	07.07.15 17.55	U	1

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	23.74
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.434	0.0587	mg/kg	07.07.15 17.55	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.434	0.0704	mg/kg	07.07.15 17.55	U	1
Chrysene	218-01-9		U	0.434	0.0578	mg/kg	07.07.15 17.55	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.434	0.0843	mg/kg	07.07.15 17.55	U	1
Dibenzofuran	132-64-9		U	0.434	0.0556	mg/kg	07.07.15 17.55	U	1
Diethyl Phthalate	84-66-2		U	0.434	0.0700	mg/kg	07.07.15 17.55	U	1
Dimethyl Phthalate	131-11-3		U	0.434	0.0656	mg/kg	07.07.15 17.55	U	1
di-n-Butyl Phthalate	84-74-2		U	0.434	0.0799	mg/kg	07.07.15 17.55	U	1
di-n-Octyl Phthalate	117-84-0		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Fluoranthene	206-44-0		U	0.434	0.0565	mg/kg	07.07.15 17.55	U	1
Fluorene	86-73-7		U	0.434	0.0530	mg/kg	07.07.15 17.55	U	1
Hexachlorobenzene	118-74-1		U	0.434	0.0726	mg/kg	07.07.15 17.55	U	1
Hexachlorobutadiene	87-68-3		U	0.434	0.0482	mg/kg	07.07.15 17.55	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.434	0.0747	mg/kg	07.07.15 17.55	U	1
Hexachloroethane	67-72-1		U	0.434	0.0673	mg/kg	07.07.15 17.55	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.434	0.0791	mg/kg	07.07.15 17.55	U	1
Isophorone	78-59-1		U	0.434	0.0448	mg/kg	07.07.15 17.55	U	1
Naphthalene	91-20-3		U	0.434	0.0695	mg/kg	07.07.15 17.55	U	1
Nitrobenzene	98-95-3		U	0.434	0.0773	mg/kg	07.07.15 17.55	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.434	0.0621	mg/kg	07.07.15 17.55	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.434	0.0912	mg/kg	07.07.15 17.55	U	1
Pentachlorophenol	87-86-5		U	0.869	0.0786	mg/kg	07.07.15 17.55	U	1
Phenanthrene	85-01-8		U	0.434	0.0721	mg/kg	07.07.15 17.55	U	1
Phenol	108-95-2		U	0.434	0.0608	mg/kg	07.07.15 17.55	U	1
Pyrene	129-00-0		U	0.434	0.0739	mg/kg	07.07.15 17.55	U	1
Pyridine	110-86-1		U	0.434	0.0826	mg/kg	07.07.15 17.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	49	%	25-121	07.07.15 17.55	
Nitrobenzene-d5	4165-60-0	53	%	23-120	07.07.15 17.55	
2-Fluorobiphenyl	321-60-8	64	%	30-115	07.07.15 17.55	
2,4,6-Tribromophenol	118-79-6	56	%	19-122	07.07.15 17.55	
Terphenyl-D14	1718-51-0	78	%	18-137	07.07.15 17.55	
Phenol-d5	4165-62-2	54	%	15-110	07.07.15 17.55	

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	23.74
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00752	0.00752	mg/kg	07.02.15 18.47	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00251	0.00251	mg/kg	07.02.15 18.47	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	106	%	70-130	07.02.15 18.47	
2,5-Dibromotoluene (PID)	615-59-8	115	%	70-130	07.02.15 18.47	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00091	0.00068	mg/kg	07.03.15 14.32	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethane	75-34-3		U	0.00091	0.00073	mg/kg	07.03.15 14.32	U	1
1,1-Dichloroethene	75-35-4		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
1,1-Dichloropropene	563-58-6		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0018	0.0015	mg/kg	07.03.15 14.32	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00091	0.00079	mg/kg	07.03.15 14.32	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00091	0.00065	mg/kg	07.03.15 14.32	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00091	0.00078	mg/kg	07.03.15 14.32	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
1,2-Dichloroethane	107-06-2		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
1,2-Dichloropropane	78-87-5		U	0.00091	0.00084	mg/kg	07.03.15 14.32	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00091	0.00074	mg/kg	07.03.15 14.32	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
1,3-Dichloropropane	142-28-9		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00091	0.00062	mg/kg	07.03.15 14.32	U	1
2,2-Dichloropropane	594-20-7		U	0.00091	0.00054	mg/kg	07.03.15 14.32	U	1
2-Butanone (MEK)	78-93-3		U	0.0091	0.0021	mg/kg	07.03.15 14.32	U	1
2-Chlorotoluene	95-49-8		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
2-Hexanone	591-78-6		U	0.0091	0.0010	mg/kg	07.03.15 14.32	U	1
4-Chlorotoluene	106-43-4		U	0.00091	0.00050	mg/kg	07.03.15 14.32	U	1
4-Isopropyltoluene	99-87-6		U	0.00091	0.00072	mg/kg	07.03.15 14.32	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0091	0.0029	mg/kg	07.03.15 14.32	U	1
Acetone	67-64-1		U	0.0091	0.0062	mg/kg	07.03.15 14.32	U	1
Benzene	71-43-2		U	0.00091	0.00046	mg/kg	07.03.15 14.32	U	1
Bromobenzene	108-86-1		U	0.00091	0.00077	mg/kg	07.03.15 14.32	U	1
Bromochloromethane	74-97-5		U	0.0018	0.00091	mg/kg	07.03.15 14.32	U	1
Bromodichloromethane	75-27-4		U	0.00091	0.00045	mg/kg	07.03.15 14.32	U	1
Bromoform	75-25-2		U	0.00091	0.00087	mg/kg	07.03.15 14.32	U	1
Bromomethane	74-83-9		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Carbon tetrachloride	56-23-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chlorobenzene	108-90-7		U	0.00091	0.00052	mg/kg	07.03.15 14.32	U	1
Chlorodibromomethane	124-48-1		U	0.00091	0.00090	mg/kg	07.03.15 14.32	U	1
Chloroethane	75-00-3		U	0.0045	0.0022	mg/kg	07.03.15 14.32	U	1
Chloroform	67-66-3		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
Chloromethane	74-87-3		U	0.0045	0.0021	mg/kg	07.03.15 14.32	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00091	0.00060	mg/kg	07.03.15 14.32	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW2 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-003	Date Collected:	06.29.15 15.05	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	23.74
Analyst:	MWE	Date Prep:	07.03.15 11.14	Basis:	Dry Weight
Seq Number:	971611				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00091	0.00049	mg/kg	07.03.15 14.32	U	1
Dichlorodifluoromethane	75-71-8		U	0.0018	0.0011	mg/kg	07.03.15 14.32	U	1
Ethanol	64-17-5		U	0.045	0.025	mg/kg	07.03.15 14.32	U	1
Ethylbenzene	100-41-4		U	0.00091	0.00051	mg/kg	07.03.15 14.32	U	1
Isopropyl Ether	108-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
Isopropylbenzene	98-82-8		U	0.00091	0.00069	mg/kg	07.03.15 14.32	U	1
m,p-Xylenes	179601-23-1		U	0.00181	0.00109	mg/kg	07.03.15 14.32	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0018	0.00063	mg/kg	07.03.15 14.32	U	1
Methylene chloride	75-09-2		U	0.0045	0.0020	mg/kg	07.03.15 14.32	U	1
Naphthalene	91-20-3		U	0.0018	0.0012	mg/kg	07.03.15 14.32	U	1
n-Butylbenzene	104-51-8		U	0.00091	0.00080	mg/kg	07.03.15 14.32	U	1
n-Propylbenzene	103-65-1		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
o-Xylene	95-47-6		U	0.000906	0.000648	mg/kg	07.03.15 14.32	U	1
sec-Butylbenzene	135-98-8		U	0.00091	0.00059	mg/kg	07.03.15 14.32	U	1
Styrene	100-42-5		U	0.00091	0.00067	mg/kg	07.03.15 14.32	U	1
tert-Butylbenzene	98-06-6		U	0.00091	0.00076	mg/kg	07.03.15 14.32	U	1
Tetrachloroethene	127-18-4		U	0.0018	0.00094	mg/kg	07.03.15 14.32	U	1
Toluene	108-88-3	**0.00082**		0.00091	0.00053	mg/kg	07.03.15 14.32	J	1
trans-1,2-Dichloroethene	156-60-5		U	0.00091	0.00071	mg/kg	07.03.15 14.32	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00091	0.00061	mg/kg	07.03.15 14.32	U	1
Trichloroethene	79-01-6		U	0.00091	0.00064	mg/kg	07.03.15 14.32	U	1
Trichlorofluoromethane	75-69-4		U	0.0045	0.0032	mg/kg	07.03.15 14.32	U	1
Vinyl acetate	108-05-4		U	0.0045	0.00065	mg/kg	07.03.15 14.32	U	1
Vinyl chloride	75-01-4		U	0.0045	0.0018	mg/kg	07.03.15 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	125	%	50-150	07.03.15 14.32	
4-Bromofluorobenzene	460-00-4	104	%	57-158	07.03.15 14.32	
Toluene-D8	2037-26-5	95	%	50-150	07.03.15 14.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 00.45	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.0	11.0	mg/kg	07.07.15 05.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	40	%	40-140	07.07.15 05.56	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 00.45	
2-Fluorobiphenyl	321-60-8	75	%	40-140	07.07.15 00.45	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.370	0.0656	mg/kg	07.07.15 18.24	U	1
1,2-Dichlorobenzene	95-50-1		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
1,3-Dichlorobenzene	541-73-1		U	0.370	0.0585	mg/kg	07.07.15 18.24	U	1
1,4-Dichlorobenzene	106-46-7		U	0.370	0.0578	mg/kg	07.07.15 18.24	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.370	0.0715	mg/kg	07.07.15 18.24	U	1
2,4-Dichlorophenol	120-83-2		U	0.370	0.0471	mg/kg	07.07.15 18.24	U	1
2,4-Dimethylphenol	105-67-9		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2,4-Dinitrotoluene	121-14-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
2,6-Dinitrotoluene	606-20-2		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
2-Chloronaphthalene	91-58-7		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
2-Chlorophenol	95-57-8		U	0.370	0.0663	mg/kg	07.07.15 18.24	U	1
2-Methylnaphthalene	91-57-6		U	0.370	0.0567	mg/kg	07.07.15 18.24	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.24	U	1
2-Nitroaniline	88-74-4		U	0.370	0.0496	mg/kg	07.07.15 18.24	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.24	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.24	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.370	0.0541	mg/kg	07.07.15 18.24	U	1
3-Nitroaniline	99-09-2		U	0.370	0.0511	mg/kg	07.07.15 18.24	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.370	0.0645	mg/kg	07.07.15 18.24	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.24	U	1
4-chloro-3-methylphenol	59-50-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
4-Chloroaniline	106-47-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.24	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.24	U	1
Acenaphthene	83-32-9		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Acenaphthylene	208-96-8		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.370	0.0408	mg/kg	07.07.15 18.24	U	1
Anthracene	120-12-7		U	0.370	0.0548	mg/kg	07.07.15 18.24	U	1
Benzo(a)anthracene	56-55-3		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Benzo(a)pyrene	50-32-8		U	0.370	0.0545	mg/kg	07.07.15 18.24	U	1
Benzo(b)fluoranthene	205-99-2		U	0.370	0.0604	mg/kg	07.07.15 18.24	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.370	0.0611	mg/kg	07.07.15 18.24	U	1
Benzo(k)fluoranthene	207-08-9		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Benzoic Acid	65-85-0		U	0.741	0.0585	mg/kg	07.07.15 18.24	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.370	0.0556	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.370	0.0445	mg/kg	07.07.15 18.24	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.24	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.68
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.370	0.0500	mg/kg	07.07.15 18.24	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.370	0.0600	mg/kg	07.07.15 18.24	U	1
Chrysene	218-01-9		U	0.370	0.0493	mg/kg	07.07.15 18.24	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.370	0.0719	mg/kg	07.07.15 18.24	U	1
Dibenzofuran	132-64-9		U	0.370	0.0474	mg/kg	07.07.15 18.24	U	1
Diethyl Phthalate	84-66-2		U	0.370	0.0596	mg/kg	07.07.15 18.24	U	1
Dimethyl Phthalate	131-11-3		U	0.370	0.0559	mg/kg	07.07.15 18.24	U	1
di-n-Butyl Phthalate	84-74-2		U	0.370	0.0682	mg/kg	07.07.15 18.24	U	1
di-n-Octyl Phthalate	117-84-0		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Fluoranthene	206-44-0		U	0.370	0.0482	mg/kg	07.07.15 18.24	U	1
Fluorene	86-73-7		U	0.370	0.0452	mg/kg	07.07.15 18.24	U	1
Hexachlorobenzene	118-74-1		U	0.370	0.0619	mg/kg	07.07.15 18.24	U	1
Hexachlorobutadiene	87-68-3		U	0.370	0.0411	mg/kg	07.07.15 18.24	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.370	0.0637	mg/kg	07.07.15 18.24	U	1
Hexachloroethane	67-72-1		U	0.370	0.0574	mg/kg	07.07.15 18.24	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.370	0.0674	mg/kg	07.07.15 18.24	U	1
Isophorone	78-59-1		U	0.370	0.0382	mg/kg	07.07.15 18.24	U	1
Naphthalene	91-20-3		U	0.370	0.0593	mg/kg	07.07.15 18.24	U	1
Nitrobenzene	98-95-3		U	0.370	0.0659	mg/kg	07.07.15 18.24	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.370	0.0530	mg/kg	07.07.15 18.24	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.370	0.0778	mg/kg	07.07.15 18.24	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.24	U	1
Phenanthrene	85-01-8		U	0.370	0.0615	mg/kg	07.07.15 18.24	U	1
Phenol	108-95-2		U	0.370	0.0519	mg/kg	07.07.15 18.24	U	1
Pyrene	129-00-0		U	0.370	0.0630	mg/kg	07.07.15 18.24	U	1
Pyridine	110-86-1		U	0.370	0.0704	mg/kg	07.07.15 18.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	50	%	25-121	07.07.15 18.24	
Nitrobenzene-d5	4165-60-0	66	%	23-120	07.07.15 18.24	
2-Fluorobiphenyl	321-60-8	72	%	30-115	07.07.15 18.24	
2,4,6-Tribromophenol	118-79-6	67	%	19-122	07.07.15 18.24	
Terphenyl-D14	1718-51-0	83	%	18-137	07.07.15 18.24	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 18.24	

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00692	0.00692	mg/kg	07.02.15 19.32	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00231	0.00231	mg/kg	07.02.15 19.32	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	113	%	70-130	07.02.15 19.32	
2,5-Dibromotoluene (PID)	615-59-8	122	%	70-130	07.02.15 19.32	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00094	0.00071	mg/kg	07.01.15 22.03	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethane	75-34-3		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
1,1-Dichloroethene	75-35-4		U	0.0019	0.0011	mg/kg	07.01.15 22.03	U	1
1,1-Dichloropropene	563-58-6		U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00094	0.00054	mg/kg	07.01.15 22.03	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0019	0.0016	mg/kg	07.01.15 22.03	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00094	0.00082	mg/kg	07.01.15 22.03	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00094	0.00068	mg/kg	07.01.15 22.03	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
1,2-Dichloroethane	107-06-2		U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
1,2-Dichloropropane	78-87-5		U	0.00094	0.00088	mg/kg	07.01.15 22.03	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00094	0.00077	mg/kg	07.01.15 22.03	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
1,3-Dichloropropane	142-28-9		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00094	0.00065	mg/kg	07.01.15 22.03	U	1
2,2-Dichloropropane	594-20-7		U	0.00094	0.00057	mg/kg	07.01.15 22.03	U	1
2-Butanone (MEK)	78-93-3		U	0.0094	0.0022	mg/kg	07.01.15 22.03	U	1
2-Chlorotoluene	95-49-8		U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
2-Hexanone	591-78-6		U	0.0094	0.0011	mg/kg	07.01.15 22.03	U	1
4-Chlorotoluene	106-43-4		U	0.00094	0.00052	mg/kg	07.01.15 22.03	U	1
4-Isopropyltoluene	99-87-6		U	0.00094	0.00076	mg/kg	07.01.15 22.03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0094	0.0031	mg/kg	07.01.15 22.03	U	1
Acetone	67-64-1		U	0.0094	0.0065	mg/kg	07.01.15 22.03	U	1
Benzene	71-43-2		U	0.00094	0.00048	mg/kg	07.01.15 22.03	U	1
Bromobenzene	108-86-1		U	0.00094	0.00081	mg/kg	07.01.15 22.03	U	1
Bromochloromethane	74-97-5		U	0.0019	0.00095	mg/kg	07.01.15 22.03	U	1
Bromodichloromethane	75-27-4		U	0.00094	0.00047	mg/kg	07.01.15 22.03	U	1
Bromoform	75-25-2		U	0.00094	0.00091	mg/kg	07.01.15 22.03	U	1
Bromomethane	74-83-9		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Carbon tetrachloride	56-23-5		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chlorobenzene	108-90-7		U	0.00094	0.00055	mg/kg	07.01.15 22.03	U	1
Chlorodibromomethane	124-48-1		U	0.00094	0.00094	mg/kg	07.01.15 22.03	U	1
Chloroethane	75-00-3		U	0.0047	0.0023	mg/kg	07.01.15 22.03	U	1
Chloroform	67-66-3		U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
Chloromethane	74-87-3		U	0.0047	0.0022	mg/kg	07.01.15 22.03	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

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Sample Id:	**SW3 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-004	Date Collected:	06.29.15 15.10	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.68
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	0.00094	0.00051	mg/kg	07.01.15 22.03	U	1
Dichlorodifluoromethane	75-71-8	U	0.0019	0.0011	mg/kg	07.01.15 22.03	UH	1
Ethanol	64-17-5	U	0.047	0.026	mg/kg	07.01.15 22.03	U	1
Ethylbenzene	100-41-4	U	0.00094	0.00053	mg/kg	07.01.15 22.03	U	1
Isopropyl Ether	108-20-3	U	0.0019	0.0012	mg/kg	07.01.15 22.03	U	1
Isopropylbenzene	98-82-8	U	0.00094	0.00072	mg/kg	07.01.15 22.03	U	1
m,p-Xylenes	179601-23-1	U	0.00189	0.00114	mg/kg	07.01.15 22.03	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0019	0.00065	mg/kg	07.01.15 22.03	U	1
Methylene chloride	75-09-2	U	0.0047	0.0020	mg/kg	07.01.15 22.03	U	1
Naphthalene	91-20-3	**0.0021**	0.0019	0.0012	mg/kg	07.01.15 22.03		1
n-Butylbenzene	104-51-8	U	0.00094	0.00083	mg/kg	07.01.15 22.03	U	1
n-Propylbenzene	103-65-1	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
o-Xylene	95-47-6	U	0.000944	0.000676	mg/kg	07.01.15 22.03	U	1
sec-Butylbenzene	135-98-8	U	0.00094	0.00062	mg/kg	07.01.15 22.03	U	1
Styrene	100-42-5	U	0.00094	0.00070	mg/kg	07.01.15 22.03	U	1
tert-Butylbenzene	98-06-6	U	0.00094	0.00079	mg/kg	07.01.15 22.03	U	1
Tetrachloroethene	127-18-4	U	0.0019	0.00098	mg/kg	07.01.15 22.03	U	1
Toluene	108-88-3	U	0.00094	0.00056	mg/kg	07.01.15 22.03	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.00094	0.00074	mg/kg	07.01.15 22.03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.00094	0.00063	mg/kg	07.01.15 22.03	U	1
Trichloroethene	79-01-6	U	0.00094	0.00067	mg/kg	07.01.15 22.03	U	1
Trichlorofluoromethane	75-69-4	U	0.0047	0.0033	mg/kg	07.01.15 22.03	U	1
Vinyl acetate	108-05-4	U	0.0047	0.00068	mg/kg	07.01.15 22.03	U	1
Vinyl chloride	75-01-4	U	0.0047	0.0019	mg/kg	07.01.15 22.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	116	%	50-150	07.01.15 22.03	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.03	
Toluene-D8	2037-26-5	100	%	50-150	07.01.15 22.03	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	22.1	22.1	mg/kg	07.07.15 01.20	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	11.1	11.1	mg/kg	07.07.15 06.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	51	%	40-140	07.07.15 06.28	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.20	
2-Fluorobiphenyl	321-60-8	74	%	40-140	07.07.15 01.20	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.371	0.0656	mg/kg	07.07.15 18.52	U	1
1,2-Dichlorobenzene	95-50-1		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
1,3-Dichlorobenzene	541-73-1		U	0.371	0.0586	mg/kg	07.07.15 18.52	U	1
1,4-Dichlorobenzene	106-46-7		U	0.371	0.0578	mg/kg	07.07.15 18.52	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.371	0.0715	mg/kg	07.07.15 18.52	U	1
2,4-Dichlorophenol	120-83-2		U	0.371	0.0471	mg/kg	07.07.15 18.52	U	1
2,4-Dimethylphenol	105-67-9		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2,4-Dinitrotoluene	121-14-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
2,6-Dinitrotoluene	606-20-2		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
2-Chloronaphthalene	91-58-7		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
2-Chlorophenol	95-57-8		U	0.371	0.0664	mg/kg	07.07.15 18.52	U	1
2-Methylnaphthalene	91-57-6		U	0.371	0.0567	mg/kg	07.07.15 18.52	U	1
2-methylphenol	95-48-7		U	0.741	0.0519	mg/kg	07.07.15 18.52	U	1
2-Nitroaniline	88-74-4		U	0.371	0.0497	mg/kg	07.07.15 18.52	U	1
2-Nitrophenol	88-75-5		U	0.741	0.0467	mg/kg	07.07.15 18.52	U	1
3&4-Methylphenol	15831-10-4		U	1.85	0.110	mg/kg	07.07.15 18.52	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.371	0.0541	mg/kg	07.07.15 18.52	U	1
3-Nitroaniline	99-09-2		U	0.371	0.0512	mg/kg	07.07.15 18.52	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.371	0.0645	mg/kg	07.07.15 18.52	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.185	0.0630	mg/kg	07.07.15 18.52	U	1
4-chloro-3-methylphenol	59-50-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
4-Chloroaniline	106-47-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1
4-Nitroaniline	100-01-6		U	0.741	0.0563	mg/kg	07.07.15 18.52	U	1
4-Nitrophenol	100-02-7		U	0.741	0.0456	mg/kg	07.07.15 18.52	U	1
Acenaphthene	83-32-9		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Acenaphthylene	208-96-8		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.371	0.0408	mg/kg	07.07.15 18.52	U	1
Anthracene	120-12-7		U	0.371	0.0549	mg/kg	07.07.15 18.52	U	1
Benzo(a)anthracene	56-55-3		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Benzo(a)pyrene	50-32-8		U	0.371	0.0545	mg/kg	07.07.15 18.52	U	1
Benzo(b)fluoranthene	205-99-2		U	0.371	0.0604	mg/kg	07.07.15 18.52	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.371	0.0612	mg/kg	07.07.15 18.52	U	1
Benzo(k)fluoranthene	207-08-9		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Benzoic Acid	65-85-0		U	0.741	0.0586	mg/kg	07.07.15 18.52	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.371	0.0556	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.371	0.0445	mg/kg	07.07.15 18.52	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.185	0.0526	mg/kg	07.07.15 18.52	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	10.2
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.371	0.0500	mg/kg	07.07.15 18.52	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.371	0.0601	mg/kg	07.07.15 18.52	U	1
Chrysene	218-01-9		U	0.371	0.0493	mg/kg	07.07.15 18.52	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.371	0.0719	mg/kg	07.07.15 18.52	U	1
Dibenzofuran	132-64-9		U	0.371	0.0474	mg/kg	07.07.15 18.52	U	1
Diethyl Phthalate	84-66-2		U	0.371	0.0597	mg/kg	07.07.15 18.52	U	1
Dimethyl Phthalate	131-11-3		U	0.371	0.0560	mg/kg	07.07.15 18.52	U	1
di-n-Butyl Phthalate	84-74-2		U	0.371	0.0682	mg/kg	07.07.15 18.52	U	1
di-n-Octyl Phthalate	117-84-0		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Fluoranthene	206-44-0		U	0.371	0.0482	mg/kg	07.07.15 18.52	U	1
Fluorene	86-73-7		U	0.371	0.0452	mg/kg	07.07.15 18.52	U	1
Hexachlorobenzene	118-74-1		U	0.371	0.0619	mg/kg	07.07.15 18.52	U	1
Hexachlorobutadiene	87-68-3		U	0.371	0.0411	mg/kg	07.07.15 18.52	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.371	0.0638	mg/kg	07.07.15 18.52	U	1
Hexachloroethane	67-72-1		U	0.371	0.0575	mg/kg	07.07.15 18.52	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.371	0.0675	mg/kg	07.07.15 18.52	U	1
Isophorone	78-59-1		U	0.371	0.0382	mg/kg	07.07.15 18.52	U	1
Naphthalene	91-20-3		U	0.371	0.0593	mg/kg	07.07.15 18.52	U	1
Nitrobenzene	98-95-3		U	0.371	0.0660	mg/kg	07.07.15 18.52	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.371	0.0530	mg/kg	07.07.15 18.52	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.371	0.0778	mg/kg	07.07.15 18.52	U	1
Pentachlorophenol	87-86-5		U	0.741	0.0671	mg/kg	07.07.15 18.52	U	1
Phenanthrene	85-01-8		U	0.371	0.0615	mg/kg	07.07.15 18.52	U	1
Phenol	108-95-2		U	0.371	0.0519	mg/kg	07.07.15 18.52	U	1
Pyrene	129-00-0		U	0.371	0.0630	mg/kg	07.07.15 18.52	U	1
Pyridine	110-86-1		U	0.371	0.0704	mg/kg	07.07.15 18.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	66	%	25-121	07.07.15 18.52	
Nitrobenzene-d5	4165-60-0	72	%	23-120	07.07.15 18.52	
2-Fluorobiphenyl	321-60-8	74	%	30-115	07.07.15 18.52	
2,4,6-Tribromophenol	118-79-6	76	%	19-122	07.07.15 18.52	
Terphenyl-D14	1718-51-0	79	%	18-137	07.07.15 18.52	
Phenol-d5	4165-62-2	65	%	15-110	07.07.15 18.52	

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Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00726	0.00726	mg/kg	07.02.15 20.17	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00242	0.00242	mg/kg	07.02.15 20.17	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	109	%	70-130	07.02.15 20.17	
2,5-Dibromotoluene (PID)	615-59-8	119	%	70-130	07.02.15 20.17	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethane	75-34-3		U	0.00098	0.00079	mg/kg	07.01.15 22.25	U	1
1,1-Dichloroethene	75-35-4		U	0.0020	0.0011	mg/kg	07.01.15 22.25	U	1
1,1-Dichloropropene	563-58-6		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00098	0.00056	mg/kg	07.01.15 22.25	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0020	0.0016	mg/kg	07.01.15 22.25	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00098	0.00071	mg/kg	07.01.15 22.25	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00098	0.00085	mg/kg	07.01.15 22.25	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
1,2-Dichloroethane	107-06-2		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
1,2-Dichloropropane	78-87-5		U	0.00098	0.00091	mg/kg	07.01.15 22.25	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00098	0.00080	mg/kg	07.01.15 22.25	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00098	0.00098	mg/kg	07.01.15 22.25	U	1
1,3-Dichloropropane	142-28-9		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00098	0.00067	mg/kg	07.01.15 22.25	U	1
2,2-Dichloropropane	594-20-7		U	0.00098	0.00059	mg/kg	07.01.15 22.25	U	1
2-Butanone (MEK)	78-93-3		U	0.0098	0.0022	mg/kg	07.01.15 22.25	U	1
2-Chlorotoluene	95-49-8		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
2-Hexanone	591-78-6		U	0.0098	0.0011	mg/kg	07.01.15 22.25	U	1
4-Chlorotoluene	106-43-4		U	0.00098	0.00054	mg/kg	07.01.15 22.25	U	1
4-Isopropyltoluene	99-87-6		U	0.00098	0.00078	mg/kg	07.01.15 22.25	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0098	0.0032	mg/kg	07.01.15 22.25	U	1
Acetone	67-64-1		U	0.0098	0.0067	mg/kg	07.01.15 22.25	U	1
Benzene	71-43-2		U	0.00098	0.00050	mg/kg	07.01.15 22.25	U	1
Bromobenzene	108-86-1		U	0.00098	0.00084	mg/kg	07.01.15 22.25	U	1
Bromochloromethane	74-97-5		U	0.0020	0.00099	mg/kg	07.01.15 22.25	U	1
Bromodichloromethane	75-27-4		U	0.00098	0.00049	mg/kg	07.01.15 22.25	U	1
Bromoform	75-25-2		U	0.00098	0.00094	mg/kg	07.01.15 22.25	U	1
Bromomethane	74-83-9		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Carbon tetrachloride	56-23-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chlorobenzene	108-90-7		U	0.00098	0.00057	mg/kg	07.01.15 22.25	U	1
Chlorodibromomethane	124-48-1		U	0.00098	0.00097	mg/kg	07.01.15 22.25	U	1
Chloroethane	75-00-3		U	0.0049	0.0024	mg/kg	07.01.15 22.25	U	1
Chloroform	67-66-3		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
Chloromethane	74-87-3		U	0.0049	0.0023	mg/kg	07.01.15 22.25	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00098	0.00065	mg/kg	07.01.15 22.25	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**SW4 (6-7)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-005	Date Collected:	06.29.15 15.15	Sample Depth:	6 - 7 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	10.2
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00098	0.00053	mg/kg	07.01.15 22.25	U	1
Dichlorodifluoromethane	75-71-8		U	0.0020	0.0012	mg/kg	07.01.15 22.25	UH	1
Ethanol	64-17-5		U	0.049	0.027	mg/kg	07.01.15 22.25	U	1
Ethylbenzene	100-41-4		U	0.00098	0.00055	mg/kg	07.01.15 22.25	U	1
Isopropyl Ether	108-20-3		U	0.0020	0.0012	mg/kg	07.01.15 22.25	U	1
Isopropylbenzene	98-82-8		U	0.00098	0.00074	mg/kg	07.01.15 22.25	U	1
m,p-Xylenes	179601-23-1		U	0.00196	0.00119	mg/kg	07.01.15 22.25	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0020	0.00068	mg/kg	07.01.15 22.25	U	1
Methylene chloride	75-09-2		U	0.0049	0.0021	mg/kg	07.01.15 22.25	U	1
Naphthalene	91-20-3		U	0.0020	0.0013	mg/kg	07.01.15 22.25	U	1
n-Butylbenzene	104-51-8		U	0.00098	0.00086	mg/kg	07.01.15 22.25	U	1
n-Propylbenzene	103-65-1		U	0.00098	0.00077	mg/kg	07.01.15 22.25	U	1
o-Xylene	95-47-6		U	0.000980	0.000702	mg/kg	07.01.15 22.25	U	1
sec-Butylbenzene	135-98-8		U	0.00098	0.00064	mg/kg	07.01.15 22.25	U	1
Styrene	100-42-5		U	0.00098	0.00073	mg/kg	07.01.15 22.25	U	1
tert-Butylbenzene	98-06-6		U	0.00098	0.00082	mg/kg	07.01.15 22.25	U	1
Tetrachloroethene	127-18-4		U	0.0020	0.0010	mg/kg	07.01.15 22.25	U	1
Toluene	108-88-3		U	0.00098	0.00058	mg/kg	07.01.15 22.25	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00098	0.00076	mg/kg	07.01.15 22.25	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00098	0.00066	mg/kg	07.01.15 22.25	U	1
Trichloroethene	79-01-6		U	0.00098	0.00069	mg/kg	07.01.15 22.25	U	1
Trichlorofluoromethane	75-69-4		U	0.0049	0.0034	mg/kg	07.01.15 22.25	U	1
Vinyl acetate	108-05-4		U	0.0049	0.00071	mg/kg	07.01.15 22.25	U	1
Vinyl chloride	75-01-4		U	0.0049	0.0020	mg/kg	07.01.15 22.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	112	%	50-150	07.01.15 22.25	
4-Bromofluorobenzene	460-00-4	99	%	57-158	07.01.15 22.25	
Toluene-D8	2037-26-5	99	%	50-150	07.01.15 22.25	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP EPH			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	CLAR	Date Prep:	07.03.15 07.30	Basis:	Dry Weight
Seq Number:	971710				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22		U	21.8	21.8	mg/kg	07.07.15 01.56	U	1
C9-C18 Aliphatics	ALHYDRC9C1		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1
C19-C36 Aliphatics	ALHYDRC19C		U	10.9	10.9	mg/kg	07.07.15 07.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	49	%	40-140	07.07.15 07.00	
o-Terphenyl	84-15-1	74	%	40-140	07.07.15 01.56	
2-Fluorobiphenyl	321-60-8	71	%	40-140	07.07.15 01.56	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1		U	0.362	0.0641	mg/kg	07.07.15 19.21	U	1
1,2-Dichlorobenzene	95-50-1		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
1,3-Dichlorobenzene	541-73-1		U	0.362	0.0572	mg/kg	07.07.15 19.21	U	1
1,4-Dichlorobenzene	106-46-7		U	0.362	0.0565	mg/kg	07.07.15 19.21	U	1
2,4,5-Trichlorophenol	95-95-4		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
2,4,6-Trichlorophenol	88-06-2		U	0.362	0.0698	mg/kg	07.07.15 19.21	U	1
2,4-Dichlorophenol	120-83-2		U	0.362	0.0460	mg/kg	07.07.15 19.21	U	1
2,4-Dimethylphenol	105-67-9		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2,4-Dinitrotoluene	121-14-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
2,6-Dinitrotoluene	606-20-2		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
2-Chloronaphthalene	91-58-7		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
2-Chlorophenol	95-57-8		U	0.362	0.0648	mg/kg	07.07.15 19.21	U	1
2-Methylnaphthalene	91-57-6		U	0.362	0.0554	mg/kg	07.07.15 19.21	U	1
2-methylphenol	95-48-7		U	0.724	0.0507	mg/kg	07.07.15 19.21	U	1
2-Nitroaniline	88-74-4		U	0.362	0.0485	mg/kg	07.07.15 19.21	U	1
2-Nitrophenol	88-75-5		U	0.724	0.0456	mg/kg	07.07.15 19.21	U	1
3&4-Methylphenol	15831-10-4		U	1.81	0.107	mg/kg	07.07.15 19.21	U	1
3,3-Dichlorobenzidine	91-94-1		U	0.362	0.0528	mg/kg	07.07.15 19.21	U	1
3-Nitroaniline	99-09-2		U	0.362	0.0499	mg/kg	07.07.15 19.21	U	1
4,6-dinitro-2-methyl phenol	534-52-1		U	0.362	0.0630	mg/kg	07.07.15 19.21	U	1
4-Bromophenyl-phenylether	101-55-3		U	0.181	0.0615	mg/kg	07.07.15 19.21	U	1
4-chloro-3-methylphenol	59-50-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
4-Chloroaniline	106-47-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
4-Chlorophenyl-phenyl ether	7005-72-3		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1
4-Nitroaniline	100-01-6		U	0.724	0.0550	mg/kg	07.07.15 19.21	U	1
4-Nitrophenol	100-02-7		U	0.724	0.0445	mg/kg	07.07.15 19.21	U	1
Acenaphthene	83-32-9		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Acenaphthylene	208-96-8		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3		U	0.362	0.0398	mg/kg	07.07.15 19.21	U	1
Anthracene	120-12-7		U	0.362	0.0536	mg/kg	07.07.15 19.21	U	1
Benzo(a)anthracene	56-55-3		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Benzo(a)pyrene	50-32-8		U	0.362	0.0532	mg/kg	07.07.15 19.21	U	1
Benzo(b)fluoranthene	205-99-2		U	0.362	0.0590	mg/kg	07.07.15 19.21	U	1
Benzo(g,h,i)perylene	191-24-2		U	0.362	0.0597	mg/kg	07.07.15 19.21	U	1
Benzo(k)fluoranthene	207-08-9		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Benzoic Acid	65-85-0		U	0.724	0.0572	mg/kg	07.07.15 19.21	U	1
Benzyl Butyl Phthalate	85-68-7		U	0.362	0.0543	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethoxy) methane	111-91-1		U	0.362	0.0434	mg/kg	07.07.15 19.21	U	1
bis(2-chloroethyl) ether	111-44-4		U	0.181	0.0514	mg/kg	07.07.15 19.21	U	1

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	SVOCs by SW-846 8270D			Prep Method:	SW3545
Tech:	VBR			% Moisture:	8.96
Analyst:	VIC	Date Prep:	07.02.15 16.45	Basis:	Dry Weight
Seq Number:	971822				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-chloroisopropyl) ether	39638-32-9		U	0.362	0.0489	mg/kg	07.07.15 19.21	U	1
bis(2-ethylhexyl) phthalate	117-81-7		U	0.362	0.0586	mg/kg	07.07.15 19.21	U	1
Chrysene	218-01-9		U	0.362	0.0481	mg/kg	07.07.15 19.21	U	1
Dibenz(a,h)Anthracene	53-70-3		U	0.362	0.0702	mg/kg	07.07.15 19.21	U	1
Dibenzofuran	132-64-9		U	0.362	0.0463	mg/kg	07.07.15 19.21	U	1
Diethyl Phthalate	84-66-2		U	0.362	0.0583	mg/kg	07.07.15 19.21	U	1
Dimethyl Phthalate	131-11-3		U	0.362	0.0546	mg/kg	07.07.15 19.21	U	1
di-n-Butyl Phthalate	84-74-2		U	0.362	0.0666	mg/kg	07.07.15 19.21	U	1
di-n-Octyl Phthalate	117-84-0		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Fluoranthene	206-44-0		U	0.362	0.0470	mg/kg	07.07.15 19.21	U	1
Fluorene	86-73-7		U	0.362	0.0442	mg/kg	07.07.15 19.21	U	1
Hexachlorobenzene	118-74-1		U	0.362	0.0604	mg/kg	07.07.15 19.21	U	1
Hexachlorobutadiene	87-68-3		U	0.362	0.0402	mg/kg	07.07.15 19.21	U	1
Hexachlorocyclopentadiene	77-47-4		U	0.362	0.0622	mg/kg	07.07.15 19.21	U	1
Hexachloroethane	67-72-1		U	0.362	0.0561	mg/kg	07.07.15 19.21	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5		U	0.362	0.0659	mg/kg	07.07.15 19.21	U	1
Isophorone	78-59-1		U	0.362	0.0373	mg/kg	07.07.15 19.21	U	1
Naphthalene	91-20-3		U	0.362	0.0579	mg/kg	07.07.15 19.21	U	1
Nitrobenzene	98-95-3		U	0.362	0.0644	mg/kg	07.07.15 19.21	U	1
N-Nitrosodi-n-Propylamine	621-64-7		U	0.362	0.0518	mg/kg	07.07.15 19.21	U	1
N-Nitrosodiphenylamine	86-30-6		U	0.362	0.0760	mg/kg	07.07.15 19.21	U	1
Pentachlorophenol	87-86-5		U	0.724	0.0655	mg/kg	07.07.15 19.21	U	1
Phenanthrene	85-01-8		U	0.362	0.0601	mg/kg	07.07.15 19.21	U	1
Phenol	108-95-2		U	0.362	0.0507	mg/kg	07.07.15 19.21	U	1
Pyrene	129-00-0		U	0.362	0.0615	mg/kg	07.07.15 19.21	U	1
Pyridine	110-86-1		U	0.362	0.0688	mg/kg	07.07.15 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorophenol	367-12-4	51	%	25-121	07.07.15 19.21	
Nitrobenzene-d5	4165-60-0	48	%	23-120	07.07.15 19.21	
2-Fluorobiphenyl	321-60-8	54	%	30-115	07.07.15 19.21	
2,4,6-Tribromophenol	118-79-6	44	%	19-122	07.07.15 19.21	
Terphenyl-D14	1718-51-0	62	%	18-137	07.07.15 19.21	
Phenol-d5	4165-62-2	53	%	15-110	07.07.15 19.21	

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124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	MADEP VPH			Prep Method:	SW5030B
Tech:	ZHO			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.02.15 12.07	Basis:	Dry Weight
Seq Number:	971609				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C12 Aliphatics	ALHYDRC9C1		U	0.00738	0.00738	mg/kg	07.02.15 21.01	U	50
C9-C10 Aromatics	HYDC9C10		U	0.00246	0.00246	mg/kg	07.02.15 21.01	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	98	%	70-130	07.02.15 21.01	
2,5-Dibromotoluene (PID)	615-59-8	108	%	70-130	07.02.15 21.01	

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Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6		U	0.00085	0.00064	mg/kg	07.01.15 22.47	U	1
1,1,2,2-Tetrachloroethane	79-34-5		U	0.0017	0.0010	mg/kg	07.01.15 22.47	U	1
1,1,2-Trichloroethane	79-00-5		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethane	75-34-3		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
1,1-Dichloroethene	75-35-4		U	0.0017	0.00099	mg/kg	07.01.15 22.47	U	1
1,1-Dichloropropene	563-58-6		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichlorobenzene	87-61-6		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
1,2,3-Trichloropropane	96-18-4		U	0.0017	0.0014	mg/kg	07.01.15 22.47	U	1
1,2,4-Trichlorobenzene	120-82-1		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2,4-Trimethylbenzene	95-63-6		U	0.00085	0.00061	mg/kg	07.01.15 22.47	U	1
1,2-Dibromoethane (EDB)	106-93-4		U	0.00085	0.00074	mg/kg	07.01.15 22.47	U	1
1,2-Dichlorobenzene	95-50-1		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
1,2-Dichloroethane	107-06-2		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
1,2-Dichloropropane	78-87-5		U	0.00085	0.00079	mg/kg	07.01.15 22.47	U	1
1,3,5-Trimethylbenzene	108-67-8		U	0.00085	0.00069	mg/kg	07.01.15 22.47	U	1
1,3-Dichlorobenzene	541-73-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
1,3-Dichloropropane	142-28-9		U	0.00085	0.00059	mg/kg	07.01.15 22.47	U	1
1,4-Dichlorobenzene	106-46-7		U	0.00085	0.00058	mg/kg	07.01.15 22.47	U	1
2,2-Dichloropropane	594-20-7		U	0.00085	0.00051	mg/kg	07.01.15 22.47	U	1
2-Butanone (MEK)	78-93-3		U	0.0085	0.0019	mg/kg	07.01.15 22.47	U	1
2-Chlorotoluene	95-49-8		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
2-Hexanone	591-78-6		U	0.0085	0.00096	mg/kg	07.01.15 22.47	U	1
4-Chlorotoluene	106-43-4		U	0.00085	0.00047	mg/kg	07.01.15 22.47	U	1
4-Isopropyltoluene	99-87-6		U	0.00085	0.00068	mg/kg	07.01.15 22.47	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1		U	0.0085	0.0028	mg/kg	07.01.15 22.47	U	1
Acetone	67-64-1	**0.029**		0.0085	0.0059	mg/kg	07.01.15 22.47		1
Benzene	71-43-2		U	0.00085	0.00044	mg/kg	07.01.15 22.47	U	1
Bromobenzene	108-86-1		U	0.00085	0.00073	mg/kg	07.01.15 22.47	U	1
Bromochloromethane	74-97-5		U	0.0017	0.00086	mg/kg	07.01.15 22.47	U	1
Bromodichloromethane	75-27-4		U	0.00085	0.00043	mg/kg	07.01.15 22.47	U	1
Bromoform	75-25-2		U	0.00085	0.00082	mg/kg	07.01.15 22.47	U	1
Bromomethane	74-83-9		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Carbon tetrachloride	56-23-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chlorobenzene	108-90-7		U	0.00085	0.00049	mg/kg	07.01.15 22.47	U	1
Chlorodibromomethane	124-48-1		U	0.00085	0.00085	mg/kg	07.01.15 22.47	U	1
Chloroethane	75-00-3		U	0.0043	0.0021	mg/kg	07.01.15 22.47	U	1
Chloroform	67-66-3		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
Chloromethane	74-87-3		U	0.0043	0.0020	mg/kg	07.01.15 22.47	U	1
cis-1,2-Dichloroethene	156-59-2		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id:	**BE1 (12.0)**	Matrix:	Soil	Date Received:	07.01.15 10.01
Lab Sample Id:	510685-006	Date Collected:	06.29.15 15.00	Sample Depth:	12.0 ft
Analytical Method:	VOCs by SW-846 8260B			Prep Method:	SW5035
Tech:	MWE			% Moisture:	8.96
Analyst:	ZHO	Date Prep:	07.01.15 14.36	Basis:	Dry Weight
Seq Number:	971495				

Parameter	Cas Number	Result		RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5		U	0.00085	0.00046	mg/kg	07.01.15 22.47	U	1
Dichlorodifluoromethane	75-71-8		U	0.0017	0.0010	mg/kg	07.01.15 22.47	UH	1
Ethanol	64-17-5		U	0.043	0.024	mg/kg	07.01.15 22.47	U	1
Ethylbenzene	100-41-4		U	0.00085	0.00048	mg/kg	07.01.15 22.47	U	1
Isopropyl Ether	108-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
Isopropylbenzene	98-82-8		U	0.00085	0.00065	mg/kg	07.01.15 22.47	U	1
m,p-Xylenes	179601-23-1		U	0.00171	0.00103	mg/kg	07.01.15 22.47	U	1
Methyl tert-butyl ether	1634-04-4		U	0.0017	0.00059	mg/kg	07.01.15 22.47	U	1
Methylene chloride	75-09-2		U	0.0043	0.0018	mg/kg	07.01.15 22.47	U	1
Naphthalene	91-20-3		U	0.0017	0.0011	mg/kg	07.01.15 22.47	U	1
n-Butylbenzene	104-51-8		U	0.00085	0.00075	mg/kg	07.01.15 22.47	U	1
n-Propylbenzene	103-65-1		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
o-Xylene	95-47-6		U	0.000853	0.000611	mg/kg	07.01.15 22.47	U	1
sec-Butylbenzene	135-98-8		U	0.00085	0.00056	mg/kg	07.01.15 22.47	U	1
Styrene	100-42-5		U	0.00085	0.00063	mg/kg	07.01.15 22.47	U	1
tert-Butylbenzene	98-06-6		U	0.00085	0.00071	mg/kg	07.01.15 22.47	U	1
Tetrachloroethene	127-18-4		U	0.0017	0.00088	mg/kg	07.01.15 22.47	U	1
Toluene	108-88-3		U	0.00085	0.00050	mg/kg	07.01.15 22.47	U	1
trans-1,2-Dichloroethene	156-60-5		U	0.00085	0.00067	mg/kg	07.01.15 22.47	U	1
trans-1,3-Dichloropropene	10061-02-6		U	0.00085	0.00057	mg/kg	07.01.15 22.47	U	1
Trichloroethene	79-01-6		U	0.00085	0.00060	mg/kg	07.01.15 22.47	U	1
Trichlorofluoromethane	75-69-4		U	0.0043	0.0030	mg/kg	07.01.15 22.47	U	1
Vinyl acetate	108-05-4		U	0.0043	0.00061	mg/kg	07.01.15 22.47	U	1
Vinyl chloride	75-01-4		U	0.0043	0.0017	mg/kg	07.01.15 22.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	114	%	50-150	07.01.15 22.47	
4-Bromofluorobenzene	460-00-4	105	%	57-158	07.01.15 22.47	
Toluene-D8	2037-26-5	98	%	50-150	07.01.15 22.47	

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12.29	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12.29	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12.29	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12.29	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12.29	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12.29	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12.29	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12.29	U	1

Certificate of Analytical Results 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **Trip Blank** Matrix: Water Date Received:07.01.15 10.01

Lab Sample Id: 510685-007 Date Collected: 06.29.15 00.00

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5030B

Tech: MWE % Moisture:

Analyst: ZHO Date Prep: 07.02.15 09.19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12.29	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12.29	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12.29	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12.29	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12.29	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12.29	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12.29	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12.29	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12.29	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12.29	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12.29	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12.29	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12.29	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12.29	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12.29	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12.29	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12.29	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12.29	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	07.02.15 12.29	
4-Bromofluorobenzene	460-00-4	112	%	30-186	07.02.15 12.29	
Toluene-D8	2037-26-5	97	%	70-130	07.02.15 12.29	

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510637-001 MD Sample Id: 510637-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	26.6	26.4	1	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510685-006 MD Sample Id: 510685-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	8.96	9.19	3	20	%	07.01.15 13:00	

Analytical Method: **Percent Moisture by SM2540G**
Seq Number: 971454 Matrix: Soil
Parent Sample Id: 510690-004 MD Sample Id: 510690-004 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	22.6	22.3	1	20	%	07.01.15 13:00	

Analytical Method: **MADEP EPH** Prep Method: SW3545
Seq Number: 971710 Matrix: Solid Date Prep: 07.03.15
MB Sample Id: 694710-1-BLK LCS Sample Id: 694710-1-BKS LCSD Sample Id: 694710-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<20.0	170	144	85	147	86	40-140	2	40	mg/kg	07.06.15 18:15	
C9-C18 Aliphatics	<10.0	60.0	39.1	65	29.7	50	40-140	27	40	mg/kg	07.07.15 00:07	
C19-C36 Aliphatics	<10.0	80.0	60.7	76	53.1	66	40-140	13	40	mg/kg	07.07.15 00:07	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	56		65		49		40-140	%	07.07.15 00:07
o-Terphenyl	96		87		91		40-140	%	07.06.15 18:15
2-Fluorobiphenyl	85		72		89		40-140	%	07.06.15 18:15

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **MADEP EPH** Prep Method: SW3545

Seq Number: 971710 Matrix: Soil Date Prep: 07.03.15

Parent Sample Id: 510685-002 MS Sample Id: 510685-002 S MSD Sample Id: 510685-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C11-C22 Aromatics	<22.3	190	176	93	160	84	40-140	10	40	mg/kg	07.06.15 22:59	
C9-C18 Aliphatics	<11.2	67.0	46.9	70	45.9	68	40-140	2	40	mg/kg	07.07.15 04:21	
C19-C36 Aliphatics	<11.2	89.3	78.6	88	82.1	92	40-140	4	40	mg/kg	07.07.15 04:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	54		57		40-140	%	07.07.15 04:21
o-Terphenyl	87		90		40-140	%	07.06.15 22:59
2-Fluorobiphenyl	82		79		40-140	%	07.06.15 22:59

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D
Prep Method: SW3545
Seq Number: 971822
Matrix: Solid
Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK
LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	1.67	0.823	49	35-129	mg/kg	07.07.15 13:08	
1,2-Dichlorobenzene	<0.0540	1.67	0.720	43	38-122	mg/kg	07.07.15 13:08	
1,3-Dichlorobenzene	<0.0527	1.67	0.665	40	38-120	mg/kg	07.07.15 13:08	
1,4-Dichlorobenzene	<0.0520	1.67	0.707	42	37-121	mg/kg	07.07.15 13:08	
2,4,5-Trichlorophenol	<0.0613	1.67	0.795	48	40-135	mg/kg	07.07.15 13:08	
2,4,6-Trichlorophenol	<0.0643	1.67	0.825	49	39-139	mg/kg	07.07.15 13:08	
2,4-Dichlorophenol	<0.0423	1.67	0.747	45	36-135	mg/kg	07.07.15 13:08	
2,4-Dimethylphenol	<0.0607	1.67	0.711	43	38-133	mg/kg	07.07.15 13:08	
2,4-Dinitrotoluene	<0.0537	1.67	1.42	85	48-131	mg/kg	07.07.15 13:08	
2,6-Dinitrotoluene	<0.0433	1.67	1.14	68	42-136	mg/kg	07.07.15 13:08	
2-Chloronaphthalene	<0.0607	1.67	0.772	46	32-138	mg/kg	07.07.15 13:08	
2-Chlorophenol	<0.0597	1.67	0.670	40	38-125	mg/kg	07.07.15 13:08	
2-Methylnaphthalene	<0.0510	1.67	0.746	45	36-126	mg/kg	07.07.15 13:08	
2-methylphenol	<0.0467	1.67	0.628	38	37-128	mg/kg	07.07.15 13:08	
2-Nitroaniline	<0.0447	1.67	1.14	68	30-133	mg/kg	07.07.15 13:08	
2-Nitrophenol	<0.0420	1.67	0.654	39	33-142	mg/kg	07.07.15 13:08	
3&4-Methylphenol	<0.0987	1.67	0.695	42	38-126	mg/kg	07.07.15 13:08	
3-Nitroaniline	<0.0460	1.67	1.25	75	41-135	mg/kg	07.07.15 13:08	
4,6-dinitro-2-methyl phenol	<0.0580	1.67	1.31	78	30-146	mg/kg	07.07.15 13:08	
4-Bromophenyl-phenylether	<0.0567	1.67	0.980	59	37-140	mg/kg	07.07.15 13:08	
4-chloro-3-methylphenol	<0.0477	1.67	0.804	48	40-134	mg/kg	07.07.15 13:08	
4-Chloroaniline	<0.0553	1.67	0.917	55	34-124	mg/kg	07.07.15 13:08	
4-Chlorophenyl-phenyl ether	<0.0633	1.67	1.00	60	41-131	mg/kg	07.07.15 13:08	
4-Nitroaniline	<0.0507	1.67	1.33	80	46-132	mg/kg	07.07.15 13:08	
4-Nitrophenol	<0.0410	1.67	1.22	73	21-152	mg/kg	07.07.15 13:08	
Acenaphthene	<0.0467	1.67	0.810	49	37-131	mg/kg	07.07.15 13:08	
Acenaphthylene	<0.0567	1.67	0.858	51	39-129	mg/kg	07.07.15 13:08	
Aniline (Phenylamine, Aminobenzene)	<0.0367	1.67	1.11	66	33-117	mg/kg	07.07.15 13:08	
Anthracene	<0.0493	1.67	1.38	83	39-139	mg/kg	07.07.15 13:08	
Benzo(a)anthracene	<0.0540	1.67	1.67	100	44-135	mg/kg	07.07.15 13:08	
Benzo(a)pyrene	<0.0490	1.67	1.81	108	43-153	mg/kg	07.07.15 13:08	
Benzo(b)fluoranthene	<0.0543	1.67	1.67	100	40-153	mg/kg	07.07.15 13:08	
Benzo(g,h,i)perylene	<0.0550	1.67	1.43	86	40-153	mg/kg	07.07.15 13:08	
Benzo(k)fluoranthene	<0.0573	1.67	1.58	95	33-156	mg/kg	07.07.15 13:08	
Benzyl Butyl Phthalate	<0.0500	1.67	1.80	108	43-145	mg/kg	07.07.15 13:08	
bis(2-chloroethoxy) methane	<0.0400	1.67	0.735	44	30-129	mg/kg	07.07.15 13:08	
bis(2-chloroethyl) ether	<0.0473	1.67	0.721	43	33-127	mg/kg	07.07.15 13:08	
bis(2-chloroisopropyl) ether	<0.0450	1.67	0.905	54	25-124	mg/kg	07.07.15 13:08	
bis(2-ethylhexyl) phthalate	<0.0540	1.67	1.81	108	46-145	mg/kg	07.07.15 13:08	
Chrysene	<0.0443	1.67	1.71	102	42-135	mg/kg	07.07.15 13:08	
Dibenz(a,h)Anthracene	<0.0647	1.67	1.47	88	41-155	mg/kg	07.07.15 13:08	
Dibenzofuran	<0.0427	1.67	0.920	55	39-132	mg/kg	07.07.15 13:08	
Diethyl Phthalate	<0.0537	1.67	1.36	81	45-131	mg/kg	07.07.15 13:08	
Dimethyl Phthalate	<0.0503	1.67	1.22	73	43-132	mg/kg	07.07.15 13:08	
di-n-Butyl Phthalate	<0.0613	1.67	1.42	85	43-142	mg/kg	07.07.15 13:08	
di-n-Octyl Phthalate	<0.0553	1.67	1.75	105	34-166	mg/kg	07.07.15 13:08	
Fluoranthene	<0.0433	1.67	1.30	78	41-138	mg/kg	07.07.15 13:08	
Fluorene	<0.0407	1.67	0.976	58	41-131	mg/kg	07.07.15 13:08	
Hexachlorobenzene	<0.0557	1.67	1.11	66	36-142	mg/kg	07.07.15 13:08	
Hexachlorobutadiene	<0.0370	1.67	0.741	44	35-129	mg/kg	07.07.15 13:08	
Hexachlorocyclopentadiene	<0.0573	1.67	0.774	46	16-106	mg/kg	07.07.15 13:08	
Hexachloroethane	<0.0517	1.67	0.787	47	36-121	mg/kg	07.07.15 13:08	

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Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545
Seq Number: 971822 Matrix: Solid Date Prep: 07.02.15
MB Sample Id: 694742-1-BLK LCS Sample Id: 694742-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0607	1.67	1.52	91	39-154	mg/kg	07.07.15 13:08	
Isophorone	<0.0343	1.67	0.966	58	36-128	mg/kg	07.07.15 13:08	
Naphthalene	<0.0533	1.67	0.680	41	35-128	mg/kg	07.07.15 13:08	
Nitrobenzene	<0.0593	1.67	0.789	47	32-129	mg/kg	07.07.15 13:08	
N-Nitrosodi-n-Propylamine	<0.0477	1.67	0.728	44	34-129	mg/kg	07.07.15 13:08	
N-Nitrosodiphenylamine	<0.0700	1.67	1.55	93	27-155	mg/kg	07.07.15 13:08	
Pentachlorophenol	<0.0603	1.67	0.881	53	14-148	mg/kg	07.07.15 13:08	
Phenanthrene	<0.0553	1.67	1.35	81	37-139	mg/kg	07.07.15 13:08	
Phenol	<0.0467	1.67	0.668	40	34-127	mg/kg	07.07.15 13:08	
Pyrene	<0.0567	1.67	1.56	93	42-138	mg/kg	07.07.15 13:08	
Pyridine	<0.0633	1.67	0.854	51	30-113	mg/kg	07.07.15 13:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorophenol	73		45		25-121	%	07.07.15 13:08
Nitrobenzene-d5	80		48		23-120	%	07.07.15 13:08
2-Fluorobiphenyl	83		47		30-115	%	07.07.15 13:08
2,4,6-Tribromophenol	71		68		19-122	%	07.07.15 13:08
Terphenyl-D14	110		95		18-137	%	07.07.15 13:08
Phenol-d5	66		39		15-110	%	07.07.15 13:08

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: SVOCs by SW-846 8270D | Prep Method: SW3545
Seq Number: 971822 | Matrix: Soil | Date Prep: 07.02.15
Parent Sample Id: 510688-002 | MS Sample Id: 510688-002 S | MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0675	1.91	0.908	48	1.61	85	31-100	56	30	mg/kg	07.07.15 14:06	F
1,2-Dichlorobenzene	<0.0618	1.91	0.854	45	1.25	66	27-97	38	30	mg/kg	07.07.15 14:06	F
1,3-Dichlorobenzene	<0.0603	1.91	0.856	45	1.33	70	25-96	43	30	mg/kg	07.07.15 14:06	F
1,4-Dichlorobenzene	<0.0595	1.91	0.869	45	1.28	67	27-94	38	30	mg/kg	07.07.15 14:06	F
2,4,5-Trichlorophenol	<0.0702	1.91	0.984	52	1.48	78	33-110	40	30	mg/kg	07.07.15 14:06	F
2,4,6-Trichlorophenol	<0.0737	1.91	0.937	49	1.55	82	35-111	49	30	mg/kg	07.07.15 14:06	F
2,4-Dichlorophenol	<0.0485	1.91	0.830	43	1.30	68	33-103	44	30	mg/kg	07.07.15 14:06	F
2,4-Dimethylphenol	<0.0695	1.91	0.802	42	1.30	68	28-109	47	30	mg/kg	07.07.15 14:06	F
2,4-Dinitrotoluene	<0.0614	1.91	1.30	68	1.60	84	35-122	21	30	mg/kg	07.07.15 14:06	
2,6-Dinitrotoluene	<0.0496	1.91	1.06	55	1.54	81	35-119	37	30	mg/kg	07.07.15 14:06	F
2-Chloronaphthalene	<0.0695	1.91	0.876	46	1.52	80	32-108	54	30	mg/kg	07.07.15 14:06	F
2-Chlorophenol	<0.0683	1.91	0.844	44	1.24	65	25-102	38	30	mg/kg	07.07.15 14:06	F
2-Methylnaphthalene	<0.0584	1.91	0.840	44	1.40	74	22-104	50	30	mg/kg	07.07.15 14:06	F
2-methylphenol	<0.0534	1.91	0.732	38	1.23	65	27-104	51	30	mg/kg	07.07.15 14:06	F
2-Nitroaniline	<0.0511	1.91	1.10	58	1.52	80	20-128	32	30	mg/kg	07.07.15 14:06	F
2-Nitrophenol	<0.0481	1.91	0.756	40	1.34	71	30-104	56	30	mg/kg	07.07.15 14:06	F
3&4-Methylphenol	<0.113	1.91	0.792	41	1.24	65	30-111	44	30	mg/kg	07.07.15 14:06	F
3-Nitroaniline	<0.0527	1.91	1.15	60	1.46	77	22-117	24	30	mg/kg	07.07.15 14:06	
4,6-dinitro-2-methyl phenol	<0.0664	1.91	1.37	72	1.64	86	3-130	18	30	mg/kg	07.07.15 14:06	
4-Bromophenyl-phenylether	<0.0649	1.91	0.981	51	1.36	72	38-115	32	30	mg/kg	07.07.15 14:06	F
4-chloro-3-methylphenol	<0.0546	1.91	0.870	46	1.34	71	26-116	43	30	mg/kg	07.07.15 14:06	F
4-Chloroaniline	<0.0634	1.91	1.01	53	1.56	82	4-104	43	30	mg/kg	07.07.15 14:06	F
4-Chlorophenyl-phenyl ether	<0.0725	1.91	1.09	57	1.46	77	34-114	29	30	mg/kg	07.07.15 14:06	
4-Nitroaniline	<0.0580	1.91	1.40	73	1.62	85	28-117	15	30	mg/kg	07.07.15 14:06	
4-Nitrophenol	<0.0469	1.91	1.19	62	1.51	79	12-137	24	30	mg/kg	07.07.15 14:06	
Acenaphthene	<0.0534	1.91	0.909	48	1.40	74	31-111	43	30	mg/kg	07.07.15 14:06	F
Acenaphthylene	<0.0649	1.91	0.895	47	1.49	78	36-122	50	30	mg/kg	07.07.15 14:06	F
Aniline (Phenylamine, Aminobenzene)	<0.0420	1.91	1.18	62	2.11	111	20-120	57	30	mg/kg	07.07.15 14:06	F
Anthracene	<0.0565	1.91	1.44	75	1.79	94	33-118	22	30	mg/kg	07.07.15 14:06	
Benzo(a)anthracene	<0.0618	1.91	1.66	87	1.76	93	31-136	6	30	mg/kg	07.07.15 14:06	
Benzo(a)pyrene	<0.0561	1.91	1.82	95	1.82	96	44-105	0	30	mg/kg	07.07.15 14:06	
Benzo(b)fluoranthene	<0.0622	1.91	1.73	91	1.72	91	29-120	1	30	mg/kg	07.07.15 14:06	
Benzo(g,h,i)perylene	<0.0630	1.91	1.59	83	1.62	85	35-126	2	30	mg/kg	07.07.15 14:06	
Benzo(k)fluoranthene	<0.0656	1.91	1.58	83	1.60	84	37-123	1	30	mg/kg	07.07.15 14:06	
Benzyl Butyl Phthalate	<0.0572	1.91	1.88	98	1.68	88	35-122	11	30	mg/kg	07.07.15 14:06	
bis(2-chloroethoxy) methane	<0.0458	1.91	0.817	43	1.41	74	31-106	53	30	mg/kg	07.07.15 14:06	F
bis(2-chloroethyl) ether	<0.0542	1.91	0.962	50	1.41	74	24-103	38	30	mg/kg	07.07.15 14:06	F
bis(2-chloroisopropyl) ether	<0.0515	1.91	1.03	54	1.69	89	32-103	49	30	mg/kg	07.07.15 14:06	F
bis(2-ethylhexyl) phthalate	<0.0618	1.91	1.82	95	1.82	96	32-129	0	30	mg/kg	07.07.15 14:06	
Chrysene	<0.0508	1.91	1.74	91	1.78	94	34-122	2	30	mg/kg	07.07.15 14:06	
Dibenz(a,h)Anthracene	<0.0740	1.91	1.58	83	1.60	84	36-124	1	30	mg/kg	07.07.15 14:06	
Dibenzofuran	<0.0488	1.91	0.974	51	1.51	79	31-107	43	30	mg/kg	07.07.15 14:06	F
Diethyl Phthalate	<0.0614	1.91	1.33	70	1.53	81	34-118	14	30	mg/kg	07.07.15 14:06	
Dimethyl Phthalate	<0.0576	1.91	1.09	57	1.51	79	36-115	32	30	mg/kg	07.07.15 14:06	F
di-n-Butyl Phthalate	<0.0702	1.91	1.47	77	1.54	81	37-121	5	30	mg/kg	07.07.15 14:06	
di-n-Octyl Phthalate	<0.0634	1.91	1.83	96	1.77	93	35-126	3	30	mg/kg	07.07.15 14:06	
Fluoranthene	<0.0496	1.91	1.60	84	1.75	92	15-135	9	30	mg/kg	07.07.15 14:06	
Fluorene	<0.0466	1.91	1.04	54	1.40	74	31-117	30	30	mg/kg	07.07.15 14:06	
Hexachlorobenzene	<0.0637	1.91	1.14	60	1.49	78	38-116	27	30	mg/kg	07.07.15 14:06	
Hexachlorobutadiene	<0.0424	1.91	0.852	45	1.38	73	30-98	47	30	mg/kg	07.07.15 14:06	F
Hexachlorocyclopentadiene	<0.0656	1.91	0.924	48	1.75	92	12-194	62	30	mg/kg	07.07.15 14:06	F
Hexachloroethane	<0.0592	1.91	0.937	49	1.39	73	27-98	39	30	mg/kg	07.07.15 14:06	F

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Analytical Method: SVOCs by SW-846 8270D — Prep Method: SW3545
Seq Number: 971822 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Indeno(1,2,3-c,d)Pyrene	<0.0695	1.91	1.61	84	1.60	84	30-129	1	30	mg/kg	07.07.15 14:06	
Isophorone	<0.0393	1.91	0.908	48	1.69	89	11-139	60	30	mg/kg	07.07.15 14:06	F
Naphthalene	<0.0611	1.91	0.830	43	1.37	72	31-100	49	30	mg/kg	07.07.15 14:06	F
Nitrobenzene	<0.0679	1.91	0.920	48	1.50	79	27-106	48	30	mg/kg	07.07.15 14:06	F
N-Nitrosodi-n-Propylamine	<0.0546	1.91	0.856	45	1.49	78	26-122	54	30	mg/kg	07.07.15 14:06	F
N-Nitrosodiphenylamine	<0.0801	1.91	1.55	81	2.01	106	38-127	26	30	mg/kg	07.07.15 14:06	
Pentachlorophenol	<0.0691	1.91	1.03	54	1.24	65	14-128	19	30	mg/kg	07.07.15 14:06	
Phenanthrene	<0.0634	1.91	1.40	73	1.79	94	34-115	24	30	mg/kg	07.07.15 14:06	
Phenol	<0.0534	1.91	0.794	42	1.18	62	23-104	39	30	mg/kg	07.07.15 14:06	F
Pyrene	<0.0649	1.91	1.90	99	1.92	101	33-112	1	30	mg/kg	07.07.15 14:06	
Pyridine	<0.0725	1.91	0.432	23	1.37	72	1-106	104	30	mg/kg	07.07.15 14:06	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorophenol	42		68		25-121	%	07.07.15 14:06
Nitrobenzene-d5	49		84		23-120	%	07.07.15 14:06
2-Fluorobiphenyl	46		79		30-115	%	07.07.15 14:06
2,4,6-Tribromophenol	61		80		19-122	%	07.07.15 14:06
Terphenyl-D14	90		87		18-137	%	07.07.15 14:06
Phenol-d5	44		65		15-110	%	07.07.15 14:06

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694608-1-BLK — LCS Sample Id: 694608-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<2.56	33.3	25.6	77	49-114	mg/kg	07.02.15 13:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
o-Terphenyl	72		85		32-128	%	07.02.15 13:29

Analytical Method: TPH-Diesel Range Organics by SW-846 8015C — Prep Method: SW3545
Seq Number: 971523 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510460-003 — MS Sample Id: 510460-003 S — MSD Sample Id: 510460-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO (C10-28)	<5.95	77.4	26.7	34	43.6	56	32-119	48	20	mg/kg	07.02.15 16:22	F

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	57		74		32-128	%	07.02.15 16:22

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Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Solid — Date Prep: 07.02.15
MB Sample Id: 694721-1-BLK — LCS Sample Id: 694721-1-BKS — LCSD Sample Id: 694721-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.000150	0.150	0.142	95	0.150	100	70-130	5	25	mg/kg	07.02.15 12:51	
C9-C12 Aliphatics	<0.000150	0.150	0.149	99	0.144	96	70-130	3	25	mg/kg	07.02.15 12:51	
C9-C10 Aromatics	<0.0000500	0.0500	0.0501	100	0.0510	102	70-130	2	25	mg/kg	07.02.15 12:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	113		97		105		70-130	%	07.02.15 12:51
2,5-Dibromotoluene (PID)	116		103		106		70-130	%	07.02.15 12:51

Analytical Method: MADEP VPH — Prep Method: SW5030B
Seq Number: 971609 — Matrix: Soil — Date Prep: 07.02.15
Parent Sample Id: 510688-002 — MS Sample Id: 510688-002 S — MSD Sample Id: 510688-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics	<0.00638	6.38	6.23	98	5.98	94	70-130	4	25	mg/kg	07.03.15 05:13	
C9-C12 Aliphatics	5.99	6.38	8.26	36	8.44	38	70-130	2	25	mg/kg	07.03.15 05:13	X
C9-C10 Aromatics	2.49	2.13	3.42	44	3.36	41	70-130	2	25	mg/kg	07.03.15 05:13	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	101		100		70-130	%	07.03.15 05:13
2,5-Dibromotoluene (PID)	109		109		70-130	%	07.03.15 05:13

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Solid — Date Prep: 07.01.15
MB Sample Id: 694652-1-BLK — LCS Sample Id: 694652-1-BKS — LCSD Sample Id: 694652-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<0.029	1.0	0.90	90	0.91	91	64-114	1	25	mg/kg	07.01.15 19:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	91		103		109		57-131	%	07.01.15 19:00

Analytical Method: TPH-Gasoline Range Organics by SW-846 8015C — Prep Method: SW5030B
Seq Number: 971499 — Matrix: Soil — Date Prep: 07.01.15
Parent Sample Id: 510640-001 — MS Sample Id: 510640-001 S — MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	11	70	64	76	56	64	64-114	13	25	mg/kg	07.02.15 00:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	93		77		57-131	%	07.02.15 00:25

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Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971495 | Matrix: Solid | Date Prep: 07.01.15

MB Sample Id: 694659-1-BLK | LCS Sample Id: 694659-1-BKS | LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.053	106	0.051	102	75-145	4	20	mg/kg	07.01.15 16:36	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.042	84	0.043	86	78-120	2	20	mg/kg	07.01.15 16:36	
1,1,2-Trichloroethane	<0.00067	0.050	0.042	84	0.043	86	81-115	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethane	<0.00080	0.050	0.053	106	0.052	104	73-131	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloroethene	<0.0012	0.050	0.058	116	0.057	114	67-144	2	20	mg/kg	07.01.15 16:36	
1,1-Dichloropropene	<0.00054	0.050	0.052	104	0.050	100	83-141	4	20	mg/kg	07.01.15 16:36	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.048	96	0.047	94	59-168	2	20	mg/kg	07.01.15 16:36	
1,2,3-Trichloropropane	<0.0016	0.050	0.040	80	0.041	82	73-129	2	20	mg/kg	07.01.15 16:36	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.052	104	0.050	100	61-170	4	20	mg/kg	07.01.15 16:36	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.051	102	0.049	98	73-145	4	20	mg/kg	07.01.15 16:36	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.043	86	0.044	88	81-121	2	20	mg/kg	07.01.15 16:36	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloroethane	<0.00060	0.050	0.043	86	0.044	88	63-150	2	20	mg/kg	07.01.15 16:36	
1,2-Dichloropropane	<0.00093	0.050	0.046	92	0.046	92	76-121	0	20	mg/kg	07.01.15 16:36	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.052	104	0.050	100	69-152	4	20	mg/kg	07.01.15 16:36	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.01.15 16:36	
1,3-Dichloropropane	<0.00069	0.050	0.043	86	0.045	90	82-117	5	20	mg/kg	07.01.15 16:36	
1,4-Dichlorobenzene	<0.00068	0.050	0.046	92	0.045	90	74-143	2	20	mg/kg	07.01.15 16:36	
2,2-Dichloropropane	<0.00060	0.050	0.057	114	0.055	110	67-153	4	20	mg/kg	07.01.15 16:36	
2-Butanone (MEK)	<0.0023	0.10	0.069	69	0.077	77	44-158	11	20	mg/kg	07.01.15 16:36	
2-Chlorotoluene	<0.00071	0.050	0.051	102	0.049	98	74-143	4	20	mg/kg	07.01.15 16:36	
2-Hexanone	<0.0011	0.10	0.076	76	0.084	84	59-154	10	20	mg/kg	07.01.15 16:36	
4-Chlorotoluene	<0.00055	0.050	0.051	102	0.049	98	76-140	4	20	mg/kg	07.01.15 16:36	
4-Isopropyltoluene	<0.00080	0.050	0.054	108	0.052	104	50-173	4	20	mg/kg	07.01.15 16:36	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.072	72	0.082	82	65-132	13	20	mg/kg	07.01.15 16:36	
Acetone	<0.0069	0.10	0.066	66	0.074	74	43-163	11	20	mg/kg	07.01.15 16:36	
Benzene	<0.00051	0.050	0.047	94	0.047	94	65-135	0	20	mg/kg	07.01.15 16:36	
Bromobenzene	<0.00085	0.050	0.048	96	0.047	94	83-120	2	20	mg/kg	07.01.15 16:36	
Bromochloromethane	<0.0010	0.050	0.045	90	0.046	92	79-126	2	20	mg/kg	07.01.15 16:36	
Bromodichloromethane	<0.00050	0.050	0.048	96	0.049	98	80-135	2	20	mg/kg	07.01.15 16:36	
Bromoform	<0.00096	0.050	0.043	86	0.043	86	71-135	0	20	mg/kg	07.01.15 16:36	
Bromomethane	<0.0025	0.050	0.065	130	0.064	128	51-149	2	20	mg/kg	07.01.15 16:36	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.051	102	70-156	4	20	mg/kg	07.01.15 16:36	
Chlorobenzene	<0.00058	0.050	0.047	94	0.047	94	76-131	0	20	mg/kg	07.01.15 16:36	
Chlorodibromomethane	<0.00099	0.050	0.042	84	0.044	88	81-136	5	20	mg/kg	07.01.15 16:36	
Chloroethane	<0.0024	0.050	0.065	130	0.064	128	64-131	2	20	mg/kg	07.01.15 16:36	
Chloroform	<0.00074	0.050	0.049	98	0.048	96	78-125	2	20	mg/kg	07.01.15 16:36	
Chloromethane	<0.0023	0.050	0.054	108	0.053	106	59-127	2	20	mg/kg	07.01.15 16:36	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.048	96	80-123	0	20	mg/kg	07.01.15 16:36	
cis-1,3-Dichloropropene	<0.00054	0.050	0.050	100	0.051	102	81-123	2	20	mg/kg	07.01.15 16:36	
Dichlorodifluoromethane	<0.0012	0.050	0.087	174	0.082	164	33-161	6	20	mg/kg	07.01.15 16:36	H
Ethanol	<0.028	2.0	1.3	65	1.4	70	56-147	7	20	mg/kg	07.01.15 16:36	
Ethylbenzene	<0.00057	0.050	0.050	100	0.049	98	65-139	2	20	mg/kg	07.01.15 16:36	
Isopropyl Ether	<0.0013	0.050	0.051	102	0.052	104	74-125	2	20	mg/kg	07.01.15 16:36	
Isopropylbenzene	<0.00076	0.050	0.053	106	0.051	102	65-153	4	20	mg/kg	07.01.15 16:36	
m,p-Xylenes	<0.00121	0.100	0.0994	99	0.0972	97	75-141	2	20	mg/kg	07.01.15 16:36	
Methyl tert-butyl ether	<0.00069	0.10	0.095	95	0.10	100	70-131	5	20	mg/kg	07.01.15 16:36	
Methylene chloride	<0.0022	0.050	0.056	112	0.060	120	65-137	7	20	mg/kg	07.01.15 16:36	
Naphthalene	<0.0013	0.050	0.042	84	0.043	86	68-151	2	20	mg/kg	07.01.15 16:36	
n-Butylbenzene	<0.00088	0.050	0.055	110	0.051	102	43-199	8	20	mg/kg	07.01.15 16:36	
n-Propylbenzene	<0.00078	0.050	0.052	104	0.050	100	60-161	4	20	mg/kg	07.01.15 16:36	
o-Xylene	<0.000716	0.0500	0.0493	99	0.0488	98	73-141	1	20	mg/kg	07.01.15 16:36	

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035
Seq Number: 971495 Matrix: Solid Date Prep: 07.01.15
MB Sample Id: 694659-1-BLK LCS Sample Id: 694659-1-BKS LCSD Sample Id: 694659-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.052	104	0.050	100	44-179	4	20	mg/kg	07.01.15 16:36	
Styrene	<0.00074	0.050	0.043	86	0.043	86	82-129	0	20	mg/kg	07.01.15 16:36	
tert-Butylbenzene	<0.00083	0.050	0.053	106	0.050	100	56-163	6	20	mg/kg	07.01.15 16:36	
Tetrachloroethene	<0.0010	0.050	0.048	96	0.047	94	78-144	2	20	mg/kg	07.01.15 16:36	
Toluene	<0.00059	0.050	0.049	98	0.048	96	83-115	2	20	mg/kg	07.01.15 16:36	
trans-1,2-Dichloroethene	<0.00078	0.050	0.057	114	0.056	112	72-132	2	20	mg/kg	07.01.15 16:36	
trans-1,3-Dichloropropene	<0.00067	0.050	0.045	90	0.046	92	82-132	2	20	mg/kg	07.01.15 16:36	
Trichloroethene	<0.00071	0.050	0.048	96	0.046	92	80-126	4	20	mg/kg	07.01.15 16:36	
Trichlorofluoromethane	<0.0035	0.050	0.055	110	0.051	102	55-155	8	20	mg/kg	07.01.15 16:36	
Vinyl acetate	<0.00072	0.050	0.040	80	0.044	88	57-146	10	20	mg/kg	07.01.15 16:36	
Vinyl chloride	<0.0020	0.050	0.064	128	0.061	122	70-130	5	20	mg/kg	07.01.15 16:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		94		94		50-150	%	07.01.15 16:36
4-Bromofluorobenzene	104		102		100		57-158	%	07.01.15 16:36
Toluene-D8	100		100		100		50-150	%	07.01.15 16:36

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: VOCs by SW-846 8260B | Prep Method: SW5035

Seq Number: 971611 | Matrix: Solid | Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK | LCS Sample Id: 694724-1-BKS | LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.051	102	0.048	96	75-145	6	20	mg/kg	07.03.15 12:44	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.049	98	0.051	102	78-120	4	20	mg/kg	07.03.15 12:44	
1,1,2-Trichloroethane	<0.00067	0.050	0.047	94	0.046	92	81-115	2	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethane	<0.00080	0.050	0.049	98	0.049	98	73-131	0	20	mg/kg	07.03.15 12:44	
1,1-Dichloroethene	<0.0012	0.050	0.051	102	0.048	96	67-144	6	20	mg/kg	07.03.15 12:44	
1,1-Dichloropropene	<0.00054	0.050	0.050	100	0.046	92	83-141	8	20	mg/kg	07.03.15 12:44	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.050	100	59-168	0	20	mg/kg	07.03.15 12:44	
1,2,3-Trichloropropane	<0.0016	0.050	0.048	96	0.047	94	73-129	2	20	mg/kg	07.03.15 12:44	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.051	102	61-170	4	20	mg/kg	07.03.15 12:44	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.049	98	0.047	94	81-121	4	20	mg/kg	07.03.15 12:44	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.047	94	70-146	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloroethane	<0.00060	0.050	0.048	96	0.047	94	63-150	2	20	mg/kg	07.03.15 12:44	
1,2-Dichloropropane	<0.00093	0.050	0.047	94	0.045	90	76-121	4	20	mg/kg	07.03.15 12:44	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.049	98	0.047	94	69-152	4	20	mg/kg	07.03.15 12:44	
1,3-Dichlorobenzene	<0.0010	0.050	0.049	98	0.047	94	73-145	4	20	mg/kg	07.03.15 12:44	
1,3-Dichloropropane	<0.00069	0.050	0.047	94	0.046	92	82-117	2	20	mg/kg	07.03.15 12:44	
1,4-Dichlorobenzene	<0.00068	0.050	0.047	94	0.045	90	74-143	4	20	mg/kg	07.03.15 12:44	
2,2-Dichloropropane	<0.00060	0.050	0.054	108	0.050	100	67-153	8	20	mg/kg	07.03.15 12:44	
2-Butanone (MEK)	<0.0023	0.10	0.097	97	0.095	95	44-158	2	20	mg/kg	07.03.15 12:44	
2-Chlorotoluene	<0.00071	0.050	0.049	98	0.047	94	74-143	4	20	mg/kg	07.03.15 12:44	
2-Hexanone	<0.0011	0.10	0.11	110	0.10	100	59-154	10	20	mg/kg	07.03.15 12:44	
4-Chlorotoluene	<0.00055	0.050	0.048	96	0.047	94	76-140	2	20	mg/kg	07.03.15 12:44	
4-Isopropyltoluene	<0.00080	0.050	0.050	100	0.049	98	50-173	2	20	mg/kg	07.03.15 12:44	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.098	98	0.096	96	65-132	2	20	mg/kg	07.03.15 12:44	
Acetone	<0.0069	0.10	0.099	99	0.095	95	43-163	4	20	mg/kg	07.03.15 12:44	
Benzene	<0.00051	0.050	0.048	96	0.045	90	65-135	6	20	mg/kg	07.03.15 12:44	
Bromobenzene	<0.00085	0.050	0.047	94	0.047	94	83-120	0	20	mg/kg	07.03.15 12:44	
Bromochloromethane	<0.0010	0.050	0.048	96	0.047	94	79-126	2	20	mg/kg	07.03.15 12:44	
Bromodichloromethane	<0.00050	0.050	0.046	92	0.045	90	80-135	2	20	mg/kg	07.03.15 12:44	
Bromoform	<0.00096	0.050	0.050	100	0.050	100	71-135	0	20	mg/kg	07.03.15 12:44	
Bromomethane	<0.0025	0.050	0.059	118	0.056	112	51-149	5	20	mg/kg	07.03.15 12:44	
Carbon tetrachloride	<0.00074	0.050	0.053	106	0.050	100	70-156	6	20	mg/kg	07.03.15 12:44	
Chlorobenzene	<0.00058	0.050	0.049	98	0.046	92	76-131	6	20	mg/kg	07.03.15 12:44	
Chlorodibromomethane	<0.00099	0.050	0.047	94	0.046	92	81-136	2	20	mg/kg	07.03.15 12:44	
Chloroethane	<0.0024	0.050	0.050	100	0.046	92	64-131	8	20	mg/kg	07.03.15 12:44	
Chloroform	<0.00074	0.050	0.049	98	0.046	92	78-125	6	20	mg/kg	07.03.15 12:44	
Chloromethane	<0.0023	0.050	0.048	96	0.046	92	59-127	4	20	mg/kg	07.03.15 12:44	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.046	92	80-123	4	20	mg/kg	07.03.15 12:44	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.050	100	81-123	2	20	mg/kg	07.03.15 12:44	
Dichlorodifluoromethane	<0.0012	0.050	0.052	104	0.048	96	33-161	8	20	mg/kg	07.03.15 12:44	
Ethanol	<0.028	2.0	1.7	85	1.8	90	56-147	6	20	mg/kg	07.03.15 12:44	
Ethylbenzene	<0.00057	0.050	0.049	98	0.047	94	65-139	4	20	mg/kg	07.03.15 12:44	
Isopropyl Ether	<0.0013	0.050	0.048	96	0.047	94	74-125	2	20	mg/kg	07.03.15 12:44	
Isopropylbenzene	<0.00076	0.050	0.050	100	0.048	96	65-153	4	20	mg/kg	07.03.15 12:44	
m,p-Xylenes	<0.00121	0.100	0.0990	99	0.0943	94	75-141	5	20	mg/kg	07.03.15 12:44	
Methyl tert-butyl ether	<0.00069	0.10	0.097	97	0.096	96	70-131	1	20	mg/kg	07.03.15 12:44	
Methylene chloride	<0.0022	0.050	0.050	100	0.050	100	65-137	0	20	mg/kg	07.03.15 12:44	
Naphthalene	<0.0013	0.050	0.049	98	0.049	98	68-151	0	20	mg/kg	07.03.15 12:44	
n-Butylbenzene	<0.00088	0.050	0.051	102	0.048	96	43-199	6	20	mg/kg	07.03.15 12:44	
n-Propylbenzene	<0.00078	0.050	0.049	98	0.048	96	60-161	2	20	mg/kg	07.03.15 12:44	
o-Xylene	<0.000716	0.0500	0.0492	98	0.0472	94	73-141	4	20	mg/kg	07.03.15 12:44	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971611 Matrix: Solid Date Prep: 07.03.15

MB Sample Id: 694724-1-BLK LCS Sample Id: 694724-1-BKS LCSD Sample Id: 694724-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00066	0.050	0.049	98	0.048	96	44-179	2	20	mg/kg	07.03.15 12:44	
Styrene	<0.00074	0.050	0.049	98	0.048	96	82-129	2	20	mg/kg	07.03.15 12:44	
tert-Butylbenzene	<0.00083	0.050	0.049	98	0.048	96	56-163	2	20	mg/kg	07.03.15 12:44	
Tetrachloroethene	<0.0010	0.050	0.049	98	0.046	92	78-144	6	20	mg/kg	07.03.15 12:44	
Toluene	<0.00059	0.050	0.048	96	0.046	92	83-115	4	20	mg/kg	07.03.15 12:44	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	07.03.15 12:44	
trans-1,3-Dichloropropene	<0.00067	0.050	0.048	96	0.046	92	82-132	4	20	mg/kg	07.03.15 12:44	
Trichloroethene	<0.00071	0.050	0.049	98	0.046	92	80-126	6	20	mg/kg	07.03.15 12:44	
Trichlorofluoromethane	<0.0035	0.050	0.058	116	0.055	110	55-155	5	20	mg/kg	07.03.15 12:44	
Vinyl acetate	<0.00072	0.050	0.051	102	0.050	100	57-146	2	20	mg/kg	07.03.15 12:44	
Vinyl chloride	<0.0020	0.050	0.050	100	0.050	100	70-130	0	20	mg/kg	07.03.15 12:44	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	112		102		104		50-150	%	07.03.15 12:44
4-Bromofluorobenzene	105		101		101		57-158	%	07.03.15 12:44
Toluene-D8	98		100		97		50-150	%	07.03.15 12:44

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	50.8	102	65-130	ug/L	07.02.15 10:15	
1,1,2,2-Tetrachloroethane	<0.180	50.0	45.5	91	65-130	ug/L	07.02.15 10:15	
1,1,2-Trichloroethane	<0.250	50.0	47.7	95	75-125	ug/L	07.02.15 10:15	
1,1-Dichloroethane	<0.110	50.0	47.0	94	70-135	ug/L	07.02.15 10:15	
1,1-Dichloroethene	<0.200	50.0	53.1	106	70-130	ug/L	07.02.15 10:15	
1,1-Dichloropropene	<0.100	50.0	49.8	100	75-130	ug/L	07.02.15 10:15	
1,2,3-Trichlorobenzene	<0.250	50.0	62.4	125	55-140	ug/L	07.02.15 10:15	
1,2,3-Trichloropropane	<0.210	50.0	50.1	100	75-125	ug/L	07.02.15 10:15	
1,2,4-Trichlorobenzene	<0.170	50.0	52.0	104	65-135	ug/L	07.02.15 10:15	
1,2,4-Trimethylbenzene	<0.140	50.0	50.9	102	75-130	ug/L	07.02.15 10:15	
1,2-Dibromoethane (EDB)	<0.180	50.0	49.3	99	80-120	ug/L	07.02.15 10:15	
1,2-Dichlorobenzene	<0.140	50.0	48.7	97	70-120	ug/L	07.02.15 10:15	
1,2-Dichloroethane	<0.180	50.0	52.0	104	70-130	ug/L	07.02.15 10:15	
1,2-Dichloropropane	<0.150	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
1,3,5-Trimethylbenzene	<0.170	50.0	50.0	100	75-130	ug/L	07.02.15 10:15	
1,3-Dichlorobenzene	<0.170	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
1,3-Dichloropropane	<0.190	50.0	51.0	102	75-125	ug/L	07.02.15 10:15	
1,4-Dichlorobenzene	<0.170	50.0	49.2	98	75-125	ug/L	07.02.15 10:15	
2,2-Dichloropropane	<0.210	50.0	46.2	92	70-130	ug/L	07.02.15 10:15	
2-Butanone (MEK)	<0.280	100	87.6	88	30-150	ug/L	07.02.15 10:15	
2-Chlorotoluene	<0.190	50.0	49.1	98	75-125	ug/L	07.02.15 10:15	
2-Hexanone	<0.320	100	95.4	95	55-130	ug/L	07.02.15 10:15	
4-Chlorotoluene	<0.130	50.0	49.2	98	75-130	ug/L	07.02.15 10:15	
4-Isopropyltoluene	<0.130	50.0	48.4	97	75-130	ug/L	07.02.15 10:15	
4-Methyl-2-pentanone (MIBK)	<0.260	100	92.2	92	60-135	ug/L	07.02.15 10:15	
Acetone	<0.350	100	112	112	40-140	ug/L	07.02.15 10:15	
Benzene	<0.160	50.0	51.2	102	80-120	ug/L	07.02.15 10:15	
Bromobenzene	<0.210	50.0	48.9	98	75-125	ug/L	07.02.15 10:15	
Bromochloromethane	<0.200	50.0	55.2	110	65-130	ug/L	07.02.15 10:15	
Bromodichloromethane	<0.250	50.0	48.3	97	75-120	ug/L	07.02.15 10:15	
Bromoform	<0.170	50.0	37.9	76	70-130	ug/L	07.02.15 10:15	
Bromomethane	<0.250	50.0	62.0	124	30-145	ug/L	07.02.15 10:15	
Carbon tetrachloride	<0.330	50.0	51.2	102	65-140	ug/L	07.02.15 10:15	
Chlorobenzene	<0.150	50.0	51.0	102	80-120	ug/L	07.02.15 10:15	
Chlorodibromomethane	<0.150	50.0	44.9	90	60-135	ug/L	07.02.15 10:15	
Chloroethane	<0.260	50.0	56.3	113	60-135	ug/L	07.02.15 10:15	
Chloroform	<0.160	50.0	51.2	102	65-135	ug/L	07.02.15 10:15	
Chloromethane	<0.250	50.0	60.9	122	40-125	ug/L	07.02.15 10:15	
cis-1,2-Dichloroethene	<0.210	50.0	49.8	100	70-125	ug/L	07.02.15 10:15	
cis-1,3-Dichloropropene	<0.100	50.0	49.0	98	70-130	ug/L	07.02.15 10:15	
Dichlorodifluoromethane	<0.220	50.0	49.6	99	30-155	ug/L	07.02.15 10:15	
Ethanol	<8.00	2000	1900	95	65-135	ug/L	07.02.15 10:15	
Ethylbenzene	<0.190	50.0	51.9	104	75-125	ug/L	07.02.15 10:15	
Isopropyl ether	<0.0800	50.0	49.9	100	65-135	ug/L	07.02.15 10:15	
Isopropylbenzene	<0.150	50.0	51.1	102	75-125	ug/L	07.02.15 10:15	
m,p-Xylenes	<0.510	100	102	102	75-130	ug/L	07.02.15 10:15	
Methyl tert-butyl ether	<0.180	100	97.7	98	65-125	ug/L	07.02.15 10:15	
Methylene chloride	<0.420	50.0	54.1	108	55-140	ug/L	07.02.15 10:15	
Naphthalene	<0.220	50.0	52.8	106	55-140	ug/L	07.02.15 10:15	
n-Butylbenzene	<0.170	50.0	50.3	101	70-130	ug/L	07.02.15 10:15	
n-Propylbenzene	<0.180	50.0	50.2	100	70-130	ug/L	07.02.15 10:15	
o-Xylene	<0.200	50.0	53.4	107	80-120	ug/L	07.02.15 10:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Water Date Prep: 07.02.15

MB Sample Id: 694727-1-BLK LCS Sample Id: 694727-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	49.2	98	70-125	ug/L	07.02.15 10:15	
Styrene	<0.180	50.0	53.1	106	65-135	ug/L	07.02.15 10:15	
tert-Butylbenzene	<0.180	50.0	50.0	100	70-130	ug/L	07.02.15 10:15	
Tetrachloroethene	<0.160	50.0	53.4	107	45-150	ug/L	07.02.15 10:15	
Toluene	<0.140	50.0	50.9	102	75-120	ug/L	07.02.15 10:15	
trans-1,2-Dichloroethene	<0.210	50.0	58.5	117	60-140	ug/L	07.02.15 10:15	
trans-1,3-Dichloropropene	<0.110	50.0	48.3	97	55-140	ug/L	07.02.15 10:15	
Trichloroethene	<0.190	50.0	51.1	102	70-125	ug/L	07.02.15 10:15	
Trichlorofluoromethane	<0.530	50.0	57.8	116	60-145	ug/L	07.02.15 10:15	
Vinyl acetate	<0.720	50.0	48.0	96	65-135	ug/L	07.02.15 10:15	
Vinyl chloride	<0.190	50.0	56.5	113	50-145	ug/L	07.02.15 10:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	79		99		53-159	%	07.02.15 10:15
4-Bromofluorobenzene	99		101		30-186	%	07.02.15 10:15
Toluene-D8	97		98		70-130	%	07.02.15 10:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00089	0.059	0.042	71	0.041	69	62-137	2	20	mg/kg	07.02.15 00:15	
1,1,2,2-Tetrachloroethane	<0.0014	0.059	0.040	68	0.040	68	64-128	0	20	mg/kg	07.02.15 00:15	
1,1,2-Trichloroethane	<0.00079	0.059	0.042	71	0.041	69	61-130	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethane	<0.00095	0.059	0.046	78	0.045	76	65-136	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloroethene	<0.0014	0.059	0.048	81	0.047	80	33-158	2	20	mg/kg	07.02.15 00:15	
1,1-Dichloropropene	<0.00064	0.059	0.042	71	0.041	69	42-152	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichlorobenzene	<0.00068	0.059	0.043	73	0.042	71	48-135	2	20	mg/kg	07.02.15 00:15	
1,2,3-Trichloropropane	<0.0019	0.059	0.041	69	0.040	68	58-134	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trichlorobenzene	<0.0010	0.059	0.046	78	0.045	76	43-139	2	20	mg/kg	07.02.15 00:15	
1,2,4-Trimethylbenzene	<0.00085	0.059	0.058	98	0.055	93	66-134	5	20	mg/kg	07.02.15 00:15	
1,2-Dibromoethane (EDB)	<0.0010	0.059	0.043	73	0.041	69	69-132	5	20	mg/kg	07.02.15 00:15	
1,2-Dichlorobenzene	<0.0015	0.059	0.041	69	0.041	69	71-120	0	20	mg/kg	07.02.15 00:15	X
1,2-Dichloroethane	<0.00071	0.059	0.037	63	0.037	63	53-140	0	20	mg/kg	07.02.15 00:15	
1,2-Dichloropropane	<0.0011	0.059	0.043	73	0.043	73	68-126	0	20	mg/kg	07.02.15 00:15	
1,3,5-Trimethylbenzene	<0.00096	0.059	0.046	78	0.046	78	67-134	0	20	mg/kg	07.02.15 00:15	
1,3-Dichlorobenzene	<0.0012	0.059	0.040	68	0.040	68	68-127	0	20	mg/kg	07.02.15 00:15	
1,3-Dichloropropane	<0.00081	0.059	0.043	73	0.043	73	70-129	0	20	mg/kg	07.02.15 00:15	
1,4-Dichlorobenzene	<0.00081	0.059	0.039	66	0.039	66	72-118	0	20	mg/kg	07.02.15 00:15	X
2,2-Dichloropropane	<0.00071	0.059	0.045	76	0.043	73	68-151	5	20	mg/kg	07.02.15 00:15	
2-Butanone (MEK)	<0.0027	0.12	0.072	60	0.071	59	42-147	1	20	mg/kg	07.02.15 00:15	
2-Chlorotoluene	<0.00084	0.059	0.044	75	0.043	73	68-127	2	20	mg/kg	07.02.15 00:15	
2-Hexanone	<0.0013	0.12	0.079	66	0.080	67	32-142	1	20	mg/kg	07.02.15 00:15	
4-Chlorotoluene	<0.00065	0.059	0.041	69	0.041	69	68-127	0	20	mg/kg	07.02.15 00:15	
4-Isopropyltoluene	<0.00095	0.059	0.047	80	0.047	80	64-135	0	20	mg/kg	07.02.15 00:15	
4-Methyl-2-pentanone (MIBK)	<0.0038	0.12	0.077	64	0.074	62	34-149	4	20	mg/kg	07.02.15 00:15	
Acetone	<0.0081	0.12	0.063	53	0.059	49	43-163	7	20	mg/kg	07.02.15 00:15	
Benzene	<0.00061	0.059	0.042	71	0.041	69	65-135	2	20	mg/kg	07.02.15 00:15	
Bromobenzene	<0.0010	0.059	0.040	68	0.040	68	67-121	0	20	mg/kg	07.02.15 00:15	
Bromochloromethane	<0.0012	0.059	0.043	73	0.041	69	66-137	5	20	mg/kg	07.02.15 00:15	
Bromodichloromethane	<0.00059	0.059	0.041	69	0.038	64	60-129	8	20	mg/kg	07.02.15 00:15	
Bromoform	<0.0011	0.059	0.037	63	0.035	59	48-147	6	20	mg/kg	07.02.15 00:15	
Bromomethane	<0.0029	0.059	0.027	46	0.029	49	42-170	7	20	mg/kg	07.02.15 00:15	
Carbon tetrachloride	<0.00088	0.059	0.037	63	0.036	61	71-117	3	20	mg/kg	07.02.15 00:15	X
Chlorobenzene	<0.00068	0.059	0.042	71	0.041	69	71-117	2	20	mg/kg	07.02.15 00:15	X
Chlorodibromomethane	<0.0012	0.059	0.039	66	0.036	61	59-135	8	20	mg/kg	07.02.15 00:15	
Chloroethane	<0.0029	0.059	0.048	81	0.056	95	44-166	15	20	mg/kg	07.02.15 00:15	
Chloroform	<0.00088	0.059	0.040	68	0.040	68	62-127	0	20	mg/kg	07.02.15 00:15	
Chloromethane	<0.0027	0.059	0.040	68	0.038	64	34-157	5	20	mg/kg	07.02.15 00:15	
cis-1,2-Dichloroethene	<0.00078	0.059	0.044	75	0.043	73	41-155	2	20	mg/kg	07.02.15 00:15	
cis-1,3-Dichloropropene	<0.00064	0.059	0.048	81	0.046	78	63-128	4	20	mg/kg	07.02.15 00:15	
Dichlorodifluoromethane	<0.0014	0.059	0.072	122	0.069	117	16-171	4	20	mg/kg	07.02.15 00:15	
Ethanol	<0.033	2.4	1.5	63	1.4	58	23-148	7	20	mg/kg	07.02.15 00:15	
Ethylbenzene	<0.00067	0.059	0.045	76	0.044	75	65-139	2	20	mg/kg	07.02.15 00:15	
Isopropyl Ether	<0.0015	0.059	0.045	76	0.044	75	57-138	2	20	mg/kg	07.02.15 00:15	
Isopropylbenzene	<0.00090	0.059	0.044	75	0.044	75	62-133	0	20	mg/kg	07.02.15 00:15	
m,p-Xylenes	<0.00143	0.118	0.0960	81	0.0915	78	69-130	5	20	mg/kg	07.02.15 00:15	
Methyl tert-butyl ether	<0.00082	0.12	0.10	83	0.099	83	48-169	1	20	mg/kg	07.02.15 00:15	
Methylene chloride	<0.0026	0.059	0.058	98	0.059	100	17-184	2	20	mg/kg	07.02.15 00:15	
Naphthalene	0.0015	0.059	0.058	96	0.055	91	27-157	5	20	mg/kg	07.02.15 00:15	
n-Butylbenzene	<0.0010	0.059	0.048	81	0.048	81	59-136	0	20	mg/kg	07.02.15 00:15	
n-Propylbenzene	<0.00092	0.059	0.045	76	0.044	75	67-134	2	20	mg/kg	07.02.15 00:15	
o-Xylene	<0.000846	0.0591	0.0500	85	0.0475	81	71-124	5	20	mg/kg	07.02.15 00:15	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Seq Number: 971495 Matrix: Soil Date Prep: 07.01.15

Parent Sample Id: 510640-001 MS Sample Id: 510640-001 S MSD Sample Id: 510640-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.00078	0.059	0.043	73	0.044	75	65-131	2	20	mg/kg	07.02.15 00:15	
Styrene	<0.00088	0.059	0.040	68	0.038	64	50-143	5	20	mg/kg	07.02.15 00:15	
tert-Butylbenzene	<0.00099	0.059	0.042	71	0.044	75	67-131	5	20	mg/kg	07.02.15 00:15	
Tetrachloroethene	<0.0012	0.059	0.041	69	0.040	68	42-156	2	20	mg/kg	07.02.15 00:15	
Toluene	<0.00070	0.059	0.046	78	0.043	73	13-188	7	20	mg/kg	07.02.15 00:15	
trans-1,2-Dichloroethene	<0.00092	0.059	0.048	81	0.047	80	57-143	2	20	mg/kg	07.02.15 00:15	
trans-1,3-Dichloropropene	<0.00079	0.059	0.045	76	0.043	73	55-141	5	20	mg/kg	07.02.15 00:15	
Trichloroethene	<0.00084	0.059	0.040	68	0.041	69	39-150	2	20	mg/kg	07.02.15 00:15	
Trichlorofluoromethane	<0.0042	0.059	0.039	66	0.038	64	34-179	3	20	mg/kg	07.02.15 00:15	
Vinyl acetate	<0.00085	0.059	0.026	44	0.026	44	13-188	0	20	mg/kg	07.02.15 00:15	
Vinyl chloride	<0.0024	0.059	0.052	88	0.049	83	40-161	6	20	mg/kg	07.02.15 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	95		93		50-150	%	07.02.15 00:15
4-Bromofluorobenzene	98		103		57-158	%	07.02.15 00:15
Toluene-D8	100		101		50-150	%	07.02.15 00:15

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	36.6	73	36.8	74	59-138	1	20	ug/L	07.02.15 20:07	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.4	103	51.4	103	63-126	0	20	ug/L	07.02.15 20:07	
1,1,2-Trichloroethane	<0.250	50.0	49.6	99	48.8	98	72-115	2	20	ug/L	07.02.15 20:07	
1,1-Dichloroethane	<0.110	50.0	37.0	74	35.8	72	69-132	3	20	ug/L	07.02.15 20:07	
1,1-Dichloroethene	<0.200	50.0	22.2	44	24.3	49	62-131	9	20	ug/L	07.02.15 20:07	X
1,1-Dichloropropene	<0.100	50.0	44.4	89	43.9	88	74-123	1	20	ug/L	07.02.15 20:07	
1,2,3-Trichlorobenzene	<0.250	50.0	39.5	79	39.5	79	48-122	0	20	ug/L	07.02.15 20:07	
1,2,3-Trichloropropane	<0.210	50.0	49.3	99	51.3	103	59-119	4	20	ug/L	07.02.15 20:07	
1,2,4-Trichlorobenzene	<0.170	50.0	40.2	80	40.6	81	34-131	1	20	ug/L	07.02.15 20:07	
1,2,4-Trimethylbenzene	2.85	50.0	44.2	83	43.9	82	47-139	1	20	ug/L	07.02.15 20:07	
1,2-Dibromoethane (EDB)	<0.180	50.0	45.2	90	44.8	90	66-125	1	20	ug/L	07.02.15 20:07	
1,2-Dichlorobenzene	<0.140	50.0	43.3	87	43.0	86	58-124	1	20	ug/L	07.02.15 20:07	
1,2-Dichloroethane	<0.180	50.0	36.7	73	37.0	74	55-141	1	20	ug/L	07.02.15 20:07	
1,2-Dichloropropane	<0.150	50.0	53.5	107	53.3	107	78-121	0	20	ug/L	07.02.15 20:07	
1,3,5-Trimethylbenzene	2.71	50.0	43.7	82	43.2	81	53-129	1	20	ug/L	07.02.15 20:07	
1,3-Dichlorobenzene	<0.170	50.0	44.5	89	43.2	86	62-120	3	20	ug/L	07.02.15 20:07	
1,3-Dichloropropane	<0.190	50.0	48.2	96	47.1	94	66-123	2	20	ug/L	07.02.15 20:07	
1,4-Dichlorobenzene	<0.170	50.0	43.8	88	42.7	85	64-114	3	20	ug/L	07.02.15 20:07	
2,2-Dichloropropane	<0.210	50.0	35.7	71	34.4	69	40-159	4	20	ug/L	07.02.15 20:07	
2-Butanone (MEK)	<0.280	100	102	102	98.1	98	50-152	4	20	ug/L	07.02.15 20:07	
2-Chlorotoluene	<0.190	50.0	45.2	90	43.5	87	60-129	4	20	ug/L	07.02.15 20:07	
2-Hexanone	<0.320	100	106	106	108	108	55-136	2	20	ug/L	07.02.15 20:07	
4-Chlorotoluene	<0.130	50.0	38.1	76	41.8	84	64-124	9	20	ug/L	07.02.15 20:07	
4-Isopropyltoluene	<0.130	50.0	39.4	79	38.4	77	62-121	3	20	ug/L	07.02.15 20:07	
4-Methyl-2-pentanone (MIBK)	<0.260	100	107	107	110	110	65-132	3	20	ug/L	07.02.15 20:07	
Acetone	<0.350	100	47.6	48	41.6	42	40-140	13	20	ug/L	07.02.15 20:07	
Benzene	2.77	50.0	56.0	106	56.4	107	77-118	1	20	ug/L	07.02.15 20:07	
Bromobenzene	<0.210	50.0	46.8	94	44.8	90	66-121	4	20	ug/L	07.02.15 20:07	
Bromochloromethane	<0.200	50.0	51.2	102	49.4	99	64-130	4	20	ug/L	07.02.15 20:07	
Bromodichloromethane	<0.250	50.0	39.8	80	39.2	78	68-125	2	20	ug/L	07.02.15 20:07	
Bromoform	<0.170	50.0	33.4	67	33.4	67	53-112	0	20	ug/L	07.02.15 20:07	
Bromomethane	<0.250	50.0	22.1	44	22.7	45	63-137	3	20	ug/L	07.02.15 20:07	X
Carbon tetrachloride	<0.330	50.0	34.6	69	35.2	70	56-138	2	20	ug/L	07.02.15 20:07	
Chlorobenzene	<0.150	50.0	47.6	95	47.4	95	71-114	0	20	ug/L	07.02.15 20:07	
Chlorodibromomethane	<0.150	50.0	36.1	72	36.8	74	53-125	2	20	ug/L	07.02.15 20:07	
Chloroethane	<0.260	50.0	21.7	43	22.1	44	60-137	2	20	ug/L	07.02.15 20:07	X
Chloroform	<0.160	50.0	41.4	83	41.7	83	65-131	1	20	ug/L	07.02.15 20:07	
Chloromethane	<0.250	50.0	20.7	41	22.1	44	48-151	7	20	ug/L	07.02.15 20:07	X
cis-1,2-Dichloroethene	<0.210	50.0	50.3	101	49.9	100	22-185	1	20	ug/L	07.02.15 20:07	
cis-1,3-Dichloropropene	<0.100	50.0	46.1	92	46.0	92	67-113	0	20	ug/L	07.02.15 20:07	
Dichlorodifluoromethane	<0.220	50.0	15.4	31	15.3	31	38-145	1	20	ug/L	07.02.15 20:07	X
Ethanol	<8.00	2000	918	46	941	47	38-162	2	20	ug/L	07.02.15 20:07	
Ethylbenzene	1.26	50.0	48.3	94	47.6	93	66-127	1	20	ug/L	07.02.15 20:07	
Isopropyl ether	<0.0800	50.0	43.6	87	43.7	87	59-148	0	20	ug/L	07.02.15 20:07	
Isopropylbenzene	<0.150	50.0	45.9	92	44.7	89	58-127	3	20	ug/L	07.02.15 20:07	
m,p-Xylenes	12.2	100	110	98	109	97	65-126	1	20	ug/L	07.02.15 20:07	
Methyl tert-butyl ether	<0.180	100	52.0	52	67.2	67	58-141	26	20	ug/L	07.02.15 20:07	XF
Methylene chloride	<0.420	50.0	23.5	47	34.2	68	63-150	37	20	ug/L	07.02.15 20:07	XF
Naphthalene	<0.220	50.0	48.4	97	48.9	98	30-148	1	20	ug/L	07.02.15 20:07	
n-Butylbenzene	<0.170	50.0	41.6	83	41.0	82	63-122	1	20	ug/L	07.02.15 20:07	
n-Propylbenzene	<0.180	50.0	46.4	93	45.2	90	64-127	3	20	ug/L	07.02.15 20:07	
o-Xylene	12.0	50.0	63.5	103	63.2	102	64-123	0	20	ug/L	07.02.15 20:07	

QC Summary 510685

Terraquest Environmental Consultants, P.C.

124 Estes Dr.

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 971614 Matrix: Ground Water Date Prep: 07.02.15

Parent Sample Id: 510697-001 MS Sample Id: 510697-001 S MSD Sample Id: 510697-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
sec-Butylbenzene	<0.210	50.0	42.6	85	41.2	82	59-124	3	20	ug/L	07.02.15 20:07	
Styrene	<0.180	50.0	45.4	91	46.5	93	50-133	2	20	ug/L	07.02.15 20:07	
tert-Butylbenzene	<0.180	50.0	40.9	82	40.0	80	58-125	2	20	ug/L	07.02.15 20:07	
Tetrachloroethene	<0.160	50.0	45.5	91	43.0	86	52-125	6	20	ug/L	07.02.15 20:07	
Toluene	15.2	50.0	65.7	101	65.3	100	65-123	1	20	ug/L	07.02.15 20:07	
trans-1,2-Dichloroethene	<0.210	50.0	25.9	52	37.1	74	65-135	36	20	ug/L	07.02.15 20:07	XF
trans-1,3-Dichloropropene	<0.110	50.0	40.7	81	43.1	86	50-125	6	20	ug/L	07.02.15 20:07	
Trichloroethene	<0.190	50.0	46.3	93	47.3	95	65-125	2	20	ug/L	07.02.15 20:07	
Trichlorofluoromethane	<0.530	50.0	24.7	49	23.7	47	51-145	4	20	ug/L	07.02.15 20:07	X
Vinyl acetate	<0.720	50.0	36.1	72	35.8	72	49-135	1	20	ug/L	07.02.15 20:07	
Vinyl chloride	<0.190	50.0	20.2	40	18.9	38	52-140	7	20	ug/L	07.02.15 20:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	72		72		53-159	%	07.02.15 20:07
4-Bromofluorobenzene	102		100		30-186	%	07.02.15 20:07
Toluene-D8	96		99		70-130	%	07.02.15 20:07

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694608-1-BLK** Matrix: SOLID

Lab Sample Id: **694608-1-BLK**

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015C** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.01.15 10:15

Seq Number: 971523

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO (C10-28)	68334-30-5	U	8.33	2.56	mg/kg	07.02.15 12:54	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694652-1-BLK** Matrix: SOLID

Lab Sample Id: **694652-1-BLK**

Analytical Method: **TPH-Gasoline Range Organics by SW-846 8015C** Prep Method: SW5030B

Tech: ZHO

Analyst: ZHO Date Prep: 07.01.15 18:28

Seq Number: 971499

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	U	0.050	0.029	mg/kg	07.01.15 20:07	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.01.15 17:40	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.01.15 17:40	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.01.15 17:40	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.01.15 17:40	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.01.15 17:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.01.15 17:40	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.01.15 17:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.01.15 17:40	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.01.15 17:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.01.15 17:40	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.01.15 17:40	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.01.15 17:40	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.01.15 17:40	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.01.15 17:40	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.01.15 17:40	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.01.15 17:40	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.01.15 17:40	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.01.15 17:40	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.01.15 17:40	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.01.15 17:40	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.01.15 17:40	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.01.15 17:40	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.01.15 17:40	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.01.15 17:40	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.01.15 17:40	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.01.15 17:40	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694659-1-BLK** Matrix: SOLID

Lab Sample Id: **694659-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: ZHO Date Prep: 07.01.15 14:36

Seq Number: 971495

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.01.15 17:40	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.01.15 17:40	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.01.15 17:40	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.01.15 17:40	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.01.15 17:40	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.01.15 17:40	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.01.15 17:40	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.01.15 17:40	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.01.15 17:40	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.01.15 17:40	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.01.15 17:40	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.01.15 17:40	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.01.15 17:40	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.01.15 17:40	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.01.15 17:40	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.01.15 17:40	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.01.15 17:40	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.01.15 17:40	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.01.15 17:40	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.01.15 17:40	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.01.15 17:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694710-1-BLK** Matrix: SOLID

Lab Sample Id: **694710-1-BLK**

Analytical Method: **MADEP EPH** Prep Method: SW3545

Tech: VBR

Analyst: CLAR Date Prep: 07.03.15 07:30

Seq Number: 971710

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C11-C22 Aromatics	C11C22	U	20.0	20.0	mg/kg	07.06.15 17:41	U	1
C9-C18 Aliphatics	ALHYDRC9C1	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1
C19-C36 Aliphatics	ALHYDRC19C	U	10.0	10.0	mg/kg	07.06.15 23:36	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694721-1-BLK** Matrix: SOLID

Lab Sample Id: **694721-1-BLK**

Analytical Method: **MADEP VPH**

Tech: ZHO

Analyst: ZHO

Seq Number: 971609

Prep Method: SW5030B

Date Prep: 07.02.15 12:07

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics	ALHYDRC5C8	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C12 Aliphatics	ALHYDRC9C1	U	0.000150	0.000150	mg/kg	07.02.15 14:20	U	1
C9-C10 Aromatics	HYDC9C10	U	0.0000500	0.0000500	mg/kg	07.02.15 14:20	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	07.03.15 14:11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	07.03.15 14:11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	07.03.15 14:11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	07.03.15 14:11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	07.03.15 14:11	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	07.03.15 14:11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	07.03.15 14:11	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	07.03.15 14:11	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	07.03.15 14:11	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	07.03.15 14:11	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	07.03.15 14:11	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0023	mg/kg	07.03.15 14:11	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	07.03.15 14:11	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	07.03.15 14:11	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	07.03.15 14:11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	07.03.15 14:11	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	07.03.15 14:11	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	07.03.15 14:11	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	07.03.15 14:11	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	07.03.15 14:11	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	07.03.15 14:11	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	07.03.15 14:11	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	07.03.15 14:11	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	07.03.15 14:11	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	07.03.15 14:11	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	07.03.15 14:11	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694724-1-BLK** Matrix: SOLID

Lab Sample Id: **694724-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: MWE

Analyst: MWE Date Prep: 07.03.15 11:14

Seq Number: 971611

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	07.03.15 14:11	U	1
Ethanol	64-17-5	U	0.050	0.028	mg/kg	07.03.15 14:11	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	07.03.15 14:11	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	07.03.15 14:11	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	07.03.15 14:11	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	07.03.15 14:11	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	07.03.15 14:11	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	07.03.15 14:11	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	07.03.15 14:11	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	07.03.15 14:11	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	07.03.15 14:11	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	07.03.15 14:11	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	07.03.15 14:11	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	07.03.15 14:11	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	07.03.15 14:11	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	07.03.15 14:11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	07.03.15 14:11	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	07.03.15 14:11	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	07.03.15 14:11	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	07.03.15 14:11	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	07.03.15 14:11	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	07.02.15 12:03	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	07.02.15 12:03	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	07.02.15 12:03	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	07.02.15 12:03	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	07.02.15 12:03	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	07.02.15 12:03	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	07.02.15 12:03	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	07.02.15 12:03	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	07.02.15 12:03	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694727-1-BLK** Matrix: WATER

Lab Sample Id: **694727-1-BLK**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: MWE

Analyst: ZHO Date Prep: 07.02.15 09:19

Seq Number: 971614

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
Ethanol	64-17-5	U	20.0	8.00	ug/L	07.02.15 12:03	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	07.02.15 12:03	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	07.02.15 12:03	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	07.02.15 12:03	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	07.02.15 12:03	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	07.02.15 12:03	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	07.02.15 12:03	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	07.02.15 12:03	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	07.02.15 12:03	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	07.02.15 12:03	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	07.02.15 12:03	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	07.02.15 12:03	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	07.02.15 12:03	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	07.02.15 12:03	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	07.02.15 12:03	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	07.02.15 12:03	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	07.02.15 12:03	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	07.02.15 12:03	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	07.07.15 12:40	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	07.07.15 12:40	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	07.07.15 12:40	U	1
2,4,5-Trichlorophenol	95-95-4	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	07.07.15 12:40	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	07.07.15 12:40	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	07.07.15 12:40	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	07.07.15 12:40	U	1
2-methylphenol	95-48-7	U	0.667	0.0467	mg/kg	07.07.15 12:40	U	1
2-Nitroaniline	88-74-4	U	0.333	0.0447	mg/kg	07.07.15 12:40	U	1
2-Nitrophenol	88-75-5	U	0.667	0.0420	mg/kg	07.07.15 12:40	U	1
3&4-Methylphenol	15831-10-4	U	1.67	0.0987	mg/kg	07.07.15 12:40	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	07.07.15 12:40	U	1
3-Nitroaniline	99-09-2	U	0.333	0.0460	mg/kg	07.07.15 12:40	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	07.07.15 12:40	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.167	0.0567	mg/kg	07.07.15 12:40	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
4-Chlorophenyl-phenyl ether	7005-72-3	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1
4-Nitroaniline	100-01-6	U	0.667	0.0507	mg/kg	07.07.15 12:40	U	1
4-Nitrophenol	100-02-7	U	0.667	0.0410	mg/kg	07.07.15 12:40	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Aniline (Phenylamine, Aminobenzene)	62-53-3	U	0.333	0.0367	mg/kg	07.07.15 12:40	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	07.07.15 12:40	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	07.07.15 12:40	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	07.07.15 12:40	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	07.07.15 12:40	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Benzoic Acid	65-85-0	U	0.667	0.0527	mg/kg	07.07.15 12:40	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.333	0.0500	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	07.07.15 12:40	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.167	0.0473	mg/kg	07.07.15 12:40	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	07.07.15 12:40	U	1

Blank Summary 510685

Terraquest Environmental Consultants, P.C., Mebane, NC

124 Estes Dr.

Sample Id: **694742-1-BLK** Matrix: SOLID

Lab Sample Id: **694742-1-BLK**

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3545

Tech: VBR

Analyst: VIC Date Prep: 07.02.15 16:45

Seq Number: 971822

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	07.07.15 12:40	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	07.07.15 12:40	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	07.07.15 12:40	U	1
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	07.07.15 12:40	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	07.07.15 12:40	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	07.07.15 12:40	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	07.07.15 12:40	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	07.07.15 12:40	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	07.07.15 12:40	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	07.07.15 12:40	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	07.07.15 12:40	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	07.07.15 12:40	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	07.07.15 12:40	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	07.07.15 12:40	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	07.07.15 12:40	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	07.07.15 12:40	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	07.07.15 12:40	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	07.07.15 12:40	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	07.07.15 12:40	U	1
Pentachlorophenol	87-86-5	U	0.667	0.0603	mg/kg	07.07.15 12:40	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	07.07.15 12:40	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	07.07.15 12:40	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	07.07.15 12:40	U	1
Pyridine	110-86-1	U	0.333	0.0633	mg/kg	07.07.15 12:40	U	1

XENCO LABORATORIES

XENCO LABORATORIES
CHAIN OF CUSTODY

COC# ATL300870
Page 1 of 1
6017 Financial Drive, Norcross, GA 30071
Phone # (770) 449-8800 Fax # (770) 449-5477

Company Name: **Terraquest Environmental Consultants, P.C.**	Receiver's Initials/Temp: JC / 1.4°C 510685
Address: **100 E. Ruffin Street, Mebane, NC 27302**	Custody Seal(s): ___ Y N Lab Work Order #
Results Sent to: Jonathan R. Grubbs	P.O.# (if required): 04615
Email address: jrgrubbs@terraquestpc.com	Field Comments / Lab Precautions:
Contact Phone #: 919-563-9091 Cell#: 919-906-0707	
Project Name (Site): 124 Estes Dr. Carrboro NC	**Analysis Requested**
Project Number (ID): 04615	Container Type: VC GA VC GA VC GA
Regulatory Program: NCDWM-UST	Chemical Preservation Code: 7 3 7 3 7
Sampler(s): (signature) Jonathan R Grubbs	Sampler(s): (printed) Jonathan Grubbs

Line No.	Sample ID #	Sample Depth (Ft)	Collection Date / Time	Matrix (See below)	Composite	Grab	No. of Containers	TPH 8015	TPH 3550	8260	8270 BNA	VPH	EPH
1	B1 (6.0)	6.0	6/29/15 0945	S		X	3	X	X				
2	SW1 (6-7)	6-7	6/29/15 1107	S		X	6			X	X	X	X
3	SW2 (6-7)	6-7	6/29/15 1505	S		X	6			X	X	X	X
4	SW3 (6-7)	6-7	6/29/15 1510	S		X	6			X	X	X	X
5	SW4 (6-7)	6-7	6/29/15 1515	S		X	6			X	X	X	X
6	B2 B1 (12.0)	12.0	6/29/15 1500	S		X	6			X	X	X	X
7	Trip Blank	—		GW			1						
8													
9													
10													

1) Relinquished By: Jonathan R. Grubbs	Date / Time 6/30/15 1310	2) Received By:	Date / Time 07/01/15 10:01
3) Relinquished By:	Date / Time	4) Received By:	Date / Time
5) Relinquished By:	Date / Time	6) Received By:	Date / Time

Delivered by: (Circle One)
(Fed Ex) UPS / Courier / Lab Pickup / Hand / Other

Turnaround Time (business days)
TAT Starts when samples are rec'd by 2PM
___10 Days ; X 5-7 Days; ___3 Days
___2 Days ; ___1 Day; ___Same Day

Matrix Guide: (W=Water) (DW = Drinking Water) (GW = Groundwater) (SW = Surface Water) (L = Liquid) (O = Oil) (S = Soil) (SD = Solid) (SL = Sludge) (A = Air) (C = Air Cartridge)

Chemical Preservation Codes: 1 = HCL / 2 = HNO_3 / 3 = H_2SO_4 / 4 = NaOH + $NaAsO_2$ / 5 = NaOH + ZnAc / 6 = $Na_2S_2O_3$ / 7 = $NaHSO_4$ & MeOH / 8 = DI Water & MeOH

Container Type: VC=Vial (Clear); VA =Vial (Amber); GC=Glass (Clear); GA=Glass (Amber); P=Plastic (HDPE); TB=Tedlar Bag; ES=EnCore Sampler; ZB=Ziploc Bag; O=Other

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Florida Testing Services, LLC

Client: Terraquest Environmental Consultants, F

Date/ Time Received: 07/01/2015 10:01:00 AM

Work Order #: 510685

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.4
#2 *Shipping container in good condition?	**Yes**
#3 *Samples received on ice?	**Yes**
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**
#5 Custody Seals intact on sample bottles?	**N/A**
#6 *Custody Seals Signed and dated?	**Yes**
#7 *Chain of Custody present?	**Yes**
#8 Sample instructions complete on Chain of Custody?	**Yes**
#9 Any missing/extra samples?	**No**
#10 Chain of Custody signed when relinquished/ received?	**Yes**
#11 Chain of Custody agrees with sample label(s)?	**Yes**
#12 Container label(s) legible and intact?	**Yes**
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**
#14 Samples in proper container/ bottle?	**Yes**
#15 Samples properly preserved?	**Yes**
#16 Sample container(s) intact?	**Yes**
#17 Sufficient sample amount for indicated test(s)?	**Yes**
#18 All samples received within hold time?	**Yes**
#19 Subcontract of sample(s)?	**No**
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**
#21 <2 for all samples preserved with HNO3,HCL, H2SO4? Except for samples for the analysis of HEM or HEM-SGT which are verified by the analysts.	**N/A**
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 07/01/2015

Checklist reviewed by: Debbie Simmons Date: 07/02/2015

Z 237 599 869

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to	
Street & Number	
Post Office, State, & ZIP Code	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date	

PS Form **3800**, April 1995

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

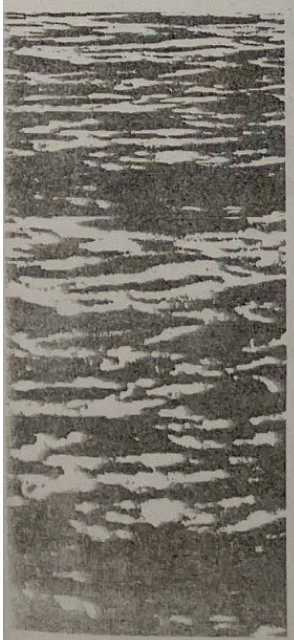
DIVISION OF WATER QUALITY
GROUNDWATER SECTION
December 10, 1999

L
T REQUESTED



Ms. Kathleen Robertson and Ms. Mary Glenn
124 Estes Drive Extension
Carrboro, North Carolina 27510

Subject: Revision of Notice of Violation and
Response to Soil Excavation Report
Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, Orange County
Incident Number Unassigned, Site Rank: 25E



Dear Ms. Robertson and Ms. Glen:

On September 30, 1999, the Division of Water Quality (Division) sent you a Notice of Violation (NOV) of groundwater quality standards for 100 parts per million (ppm) C19-C36 aliphatics found in the groundwater in MW-1 at the site referenced above. However, on October 22, 1999, the Division received a letter from Michelle McGinnis with SEI Environmental, Inc. indicating that Environmental Conservation Laboratories had reported the wrong units and that the MW-1 groundwater actually contained 100 parts per billion (ppb) C19-C36 aliphatics. Therefore, please

disregard the previous NOV as there is no evidence at this time of a violation of the North Carolina Groundwater Standards. Please note, however, that the presence of petroleum in the soil and in proximity to the groundwater constitutes a violation of GS 143-215.83 and 15A NCAC 2L .0106(b). A Comprehensive Site Assessment and Corrective Action Plan are not required at this time.

A review of a Soil Excavation Report received on October 5, 1999 does show evidence of residual soil contamination at the site. Up to 1,300 ppm of total petroleum hydrocarbons as diesel remain in the soil after the excavation conducted on September 21, 1999. Although the 100 ppb of C19-C36 aliphatics is below the Groundwater Standards, their presence in the Groundwater may indicate that a release from the soil at the site may be occurring or has occurred. Since the direction of Groundwater flow has not been established, higher concentrations of petroleum may be present down gradient from the site. For this reason, the site sensitivity evaluation (SSE) cannot be used to determine higher cleanup goals for the soil, and the site cannot be closed out.

Additional monitoring wells will need to be installed to determine the direction of groundwater flow and a groundwater sample will need to be obtained directly down gradient from the site. This sample must contain contaminants below the Groundwater Standards or a comprehensive site assessment will be required. The contaminated soil remaining in place will have to be removed and closure samples collected, or soil contaminant transport modeling will have to be conducted to show that the remaining soil contamination will not impact groundwater. Transport modeling would require that additional soil samples be collected to fully delineate the remaining soil contamination, to determine the maximum contamination concentration, and to determine the distance to groundwater from the base of soil contamination.

Please conduct the above requested drilling and sampling by February 28, 1999.

Should you have any questions, please contact Mr. Jim Roush or me at the Raleigh Regional Office at (919) 571-4700.

Sincerely,

S. Jay Zimmerman, L.G.
Environmental Regional Supervisor
Raleigh Regional Office

SJZ:JMR:jmr

cc: Michelle McGinnis, SEI Environmental, Inc., 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Orange County Health Department

SEI
Environmental, Inc.

130 Penmarc Drive
Suite 108
Raleigh, NC 27603-2470
800.474.7049
919.832.2535
Fax 832.5914

October 22, 1999

RECEIVED
OCT 22 1999
DENR RALEIGH
REGIONAL OFFICE

Mr. Jim Roush
NC Department of Environment and Natural Resources
Division of Water Quality, Groundwater Section
3800 Barrett Drive
Raleigh, North Carolina 27609

RE: Notice of Violation
Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 599243

Dear Mr. Roush:

Upon receipt of the Notice of Violation (NOV) dated September 30, 1999, a review of the Comprehensive Site Assessment (CSA) for the above referenced site was conducted by our office. Environmental Conservation Laboratories (ENCO) was contacted on October 18, 1999 to question the results of the EPH data, noting that no constituents were detected in the EPA Method 625 results. Upon review of the project by ENCO, it was discovered that the results had been reported with the wrong units. The result for EPH C19-C39 Aliphatics was incorrectly reported as 100 mg/L (100,000 ug/L) rather than 100 ug/L. A revised copy of the laboratory report is attached, along with a corrected Table 2 for the CSA.

Based on this information, the NOV is not applicable, and additional monitoring wells will not be installed. Additionally, approximately 830 tons of soil have been excavated and transported off site for disposal, as reported in the Soil Excavation Report dated September 30, 1999. Analytical results indicate that no soil remains on site at concentrations above the Site Sensitivity Final Cleanup Levels, therefore the site is eligible for closure.

Please contact me at (919) 832-2535 if you have any questions or comments.

Sincerely,
SEI Environmental, Inc.

Michelle McGinnis
Operations Manager

cc: Mr. John Hartley

Groundwater and Soil Assessment Report

Site Location:
Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
Orange County

Prepared for:
Mr. John Hartley
Hartley Construction
302 West Weaver Street, Suite G
Carrboro, North Carolina 27510

Site Owners:
Kathleen Robertson and Mary Glenn
124 Estes Drive Ext.
Carrboro, North Carolina 27510

Project Number: 500290
Incident Number: 20705
Site Rank: 25E

General Site Information:
Risk Assessment – No receptors within 1,500 feet
Surrounding Land Use – Residential and Commercial
Latitude/Longitude - N 35° 54' 57" / W 79° 4' 15"
Release Date – July 22, 1996
Estimated Quantity - Unknown
Cause of Release – Aboveground Storage Tank System

Prepared by:

NORTH CAROLINA LICENSED SEAL 1338 GEOLOGIST MICHAEL DAVID SHAW

Michael D. Shaw, P.G.
NC Licensed Geologist #1338
SPATCO Engineering and
Geological Services, P.C.
5100 N. I-85 Service Road, Suite 7A
Charlotte, North Carolina 28206

March 30, 2000

1.0 INTRODUCTION AND SITE HISTORY

The Glenn Oil Bulk Fuel Facility was a bulk fuel facility with six heating oil aboveground storage tanks (ASTs). Figure 1 is an excerpt from a United States Geological Survey (USGS) 7.5 minute topographical quadrangle map identifying the location of the site. The site is currently abandoned and has been for approximately twenty years.

On July 22, 1996, Environmental Aspecs, Inc. of North Carolina (EAI) utilized a hand auger at the site to advance six soil borings. The purpose of these samples was to characterize any contaminated soil. Further assessments were conducted by SEI Environmental, Inc. (SEI) on April 8, 1998, and May 20, 1998, when a Geoprobe and hand auger were used to collect soil samples in order to delineate petroleum contaminated soil. One groundwater monitoring well (MW-1) was installed on May 20, 1998, to determine depth to groundwater and whether groundwater had been contaminated. No petroleum constituents were detected in the groundwater at levels above the 15A NCAC 2L standards. These activities, along with soil and groundwater analytical results, are summarized in the Comprehensive Site Assessment (CSA) Report submitted by SEI on June 22, 1998. According to the CSA, no potential receptors are located within a 1,500-foot radius of the site. Verbal and written notifications of a petroleum release were provided to the Division of Water Quality (DWQ) Groundwater Section on May 29, 1998.

The ASTs were removed and transported off-site in the summer of 1999. On August 3 and 4, 1999, and September 21, 1999, SEI mobilized to the site to excavate the contaminated soil around the former ASTs. The purpose of the excavation was to remove petroleum contaminated soil in an area which is proposed to become an apartment complex. A total of 828.93 tons of soil were excavated and transported off site by Earthtec Environmental of Ohio, Inc. for proper treatment and disposal at their facility in Bear Creek, North Carolina. These activities are summarized in a Soil Excavation Report submitted by SPATCO Engineering and Geological Services, P.C. (SPATCO) on September 30, 1999. During the soil excavation activities, groundwater monitoring well MW-1 was destroyed.

Three of the confirmatory soil samples (S-8, S-19, and S-21) collected during soil excavation activities contained concentrations of total petroleum hydrocarbons (TPH) as diesel above the NCDWQ reportable concentration of 40 milligrams per kilogram (mg/kg). Therefore, as per the discussions on January 12, 2000, between Mr. Jay Zimmerman and Mr. Jim Roush of the NCDWQ, Mr. John Hartley, and SEI and SPATCO personnel regarding the Revised Notice of Violation dated December 10, 1999, three soil borings were advanced at the locations of these three samples for further analysis. Two additional groundwater monitoring wells were also installed to further assess groundwater quality at the site. This report summarizes these activities.

2.0 SITE GEOLOGY AND SOIL SAMPLING

The site is located in the Carolina Slate Belt, according to the 1985 Geological Map of North Carolina. Bedrock consists of metamorphosed granitic rock of late Proterozoic to late Cambrian age, and is megacrystic, well foliated and locally contains hornblende.

On February 23, 2000, two soil borings (MW-2 and MW-3) were advanced using an air hammer drill rig to a depth of 40 feet below land surface (bls) and 35 feet bls, respectively. On February 25, 2000, three soil borings (CB-2 at the location of S-21, CB-3 at the location of S-19, and CB-4 at the location of S-8) were advanced using a hollow stem auger drill rig to the point of auger refusal, CB-2 and CB-3 to a total depth of 9 feet bls and CB-4 to a depth of 8 feet bls. During boring activities on February 25, 2000, soil samples were collected using a properly decontaminated split spoon sampler, from a depth of 7-9 feet bls in CB-2 and CB-3 and a depth of 6-8 feet bls in CB-4. The soil encountered while performing the soil borings was primarily red silty clay and brown to gray fine sand. The soil boring locations are shown on Figure 2. Soil Boring Logs are included in Appendix A.

The soil samples were divided into two representative portions. One portion was placed in a polyethylene bag for a minimum of five minutes to allow any petroleum hydrocarbons to volatilize. An organic vapor analyzer (OVA) was used to screen the head space of the bagged sample for volatile hydrocarbons. The second portion of each sample was placed into laboratory

supplied, cleaned containers, sealed with a Teflon lined cap, placed in an iced cooler, and maintained at 4°C. Three samples (CB-2 (7-9'), CB-3 (7-9'), and CB-4 (6-8')) from the February 25, 2000, sampling event were submitted under chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for laboratory analysis. The soil samples were analyzed by EPA methods 8260 and 8270.

3.0 MONITORING WELL CONSTRUCTION

On February 23, 2000, soil borings MW-2 and MW-3 were completed as type II groundwater monitoring wells to a depth of 40 feet bls and 35 feet bls, respectively. Monitoring well MW-2 was completed with fifteen feet of 2 inch Schedule 40 PVC casing and twenty-five feet of 0.010 inch slot PVC screen. Monitoring well MW-3 was completed with fifteen feet of 2 inch Schedule 40 PVC casing and twenty feet of 0.010 inch slot PVC screen. The locations of the monitoring wells are noted on Figure 2.

The annulus of each well was filled with a sand filter pack to two feet above the top of the screened interval. A four foot thick bentonite seal was placed above the sand filter pack and hydrated with water. The remaining well bore was filled with grout to the surface. Each well was completed flush to grade with a locking cap, watertight seal, and a bolt-down manhole. Soil Boring Logs and Well Construction Records are presented in Appendix A.

4.0 GROUNDWATER SAMPLING

Prior to sampling on February 24 and March 13, 2000, each well was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not encountered in the monitoring wells. Monitoring well construction and groundwater depth data are included in Table 3.

The monitoring wells were purged prior to sampling by removing a minimum of three well volumes of water with a new, disposable Teflon® bailer. A groundwater sample was collected after

each well was allowed to recover. Each sample was collected using a new, disposable Teflon® bailer and placed in laboratory supplied, clean containers. The samples were maintained at 4°C and submitted under proper chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for analysis. The groundwater samples collected on February 24, 2000, were analyzed by EPA methods 602 and 625 (BNA and TIC) and MADEP methods VPH and EPH. The groundwater samples collected on March 13, 2000, were analyzed by MADEP method EPH.

5.0 SAMPLING RESULTS

5.1 Soil Analytical Results

Three samples (CB-2 (7-9'), CB-3 (7-9'), and CB-4 (6-8')) from the February 25, 2000, sampling event were submitted for laboratory analysis by EPA methods 8260 and 8270. No petroleum constituents were detected in the soil samples above laboratory detection limits. As a result, no soil remediation/excavation is required, per the meeting with the NCDWQ on January 12, 2000.

A summary of the soil sample analytical results is included in Table 1, and a copy of the laboratory report and chain-of-custody form is included in Appendix B. Figure 3 is a site map showing the soil sample locations from the February 25, 2000, sampling event with reference to the soil samples collected during the soil excavation activities.

5.2 Groundwater Analytical Results

The groundwater samples collected on February 24, 2000, were analyzed by EPA methods 602 and 625 (BNA and TIC) and MADEP methods VPH and EPH. The groundwater samples collected on March 13, 2000, were analyzed by MADEP method EPH.

Results from the February 24, 2000, sampling event indicated that aromatics in the C11-C22 range were detected at concentrations slightly above the 15A NCAC 2L standard of 210 micrograms per liter (µg/L) in both of the monitoring wells sampled (MW-2 at 360 µg/L and

MW-3 at 280 µg/L). Toluene (1.0 µg/L) and xylenes (1.3 µg/L) were detected at concentrations well below their 15A NCAC 2L standards in monitoring well MW-2. Due to the very low concentrations of C11-C22 range aromatics, both monitoring wells were resampled by MADEP method EPH on March 13, 2000. All carbon range fractions reported by MADEP method EPH were below the 12A NCAC 2L standards in both monitoring wells. These results are most likely due to normal variances in the contaminant concentrations in the groundwater.

The groundwater sample laboratory results are summarized in Table 2, and a copy of the laboratory reports and chain-of-custody forms is included in Appendix B. Figure 2 is a site map showing the monitoring well locations.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Laboratory results indicate that no compounds reported by EPA methods 8260 and 8270 are present in the soil at any of the three locations where the TPH as diesel was greater that 40 mg/kg. As a result, no further soil remediation/excavation is required per the meeting with the NCDWQ on January 12, 2000.

No compound specific petroleum constituents were detected in the groundwater monitoring wells at concentrations above the 15A NCAC 2L standards. However, aromatics in the C11-C22 range were detected at concentrations slightly above the 15A NCAC 2L standard in both monitoring wells sampled on February 24, 2000. However, all carbon range fractions reported by MADEP method EPH were below the 12A NCAC 2L standards in both monitoring wells when resampled on March 13, 2000.

Based on the absence of potential receptors in the area surrounding the site, the absence of petroleum constituents in the soil samples, and the low concentrations of EPH range data for the groundwater, SPATCO Engineering and Geological Services, P.C. recommends a "No Further Action" status be granted to the site.

TABLE 1

Soil Sample Field Screening and Analytical Results

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Sample Location	Sample Depth (feet)	Date Sampled	OVA (ppm)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	MTBE (µg/kg)
CB-2	7-9	02/25/00	0	BDL	BDL	BDL	BDL	BDL
CB-3	7-9	02/25/00	0	BDL	BDL	BDL	BDL	BDL
CB-4	6-8	02/25/00	1	BDL	BDL	BDL	BDL	BDL
NCDWQ Maximum Concentrations (Soil-to-Groundwater)				**5.6**	**7,000**	**240**	**5,000**	**920**

ppm – parts per million
µg/kg - micrograms per kilogram
BDL – Below detection limits
Bold denotes concentrations above the Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCC)

TABLE 2

Groundwater Analytical Results

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Sample Location	Sample Date	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C18 Aliphatics (µg/L)	C19-C36 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	C11-C22 Aromatics (µg/L)
MW-2	02/24/00	BDL	BDL	1.0	1.3	BDL	BDL	BDL	BDL	BDL	**360**
	03/13/00	NA	NA	NA	NA	NA	NA	110	150	NA	BDL
MW-3	02/24/00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**280**
	03/13/00	NA	NA	NA	NA	NA	NA	200	330	NA	190
2L Standards		**1**	**29**	**1,000**	**530**	**420**	**4,200**		**42,000**	**210**	

BDL = below detection limit
µg/L = micrograms per liter
NA = not analyzed
BOLD denotes concentrations above the 15A NCAC 2L standard

TABLE 3

Monitoring Well Construction and Groundwater Depth Data

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Date Gauged	Depth to Groundwater (feet)
MW-2	02/23/00	40	15-40	02/24/00	26.52
				03/13/00	24.69
MW-3	02/23/00	35	15-35	02/24/00	29.00
				03/13/00	28.28



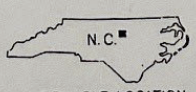
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1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET



QUADRANGLE LOCATION

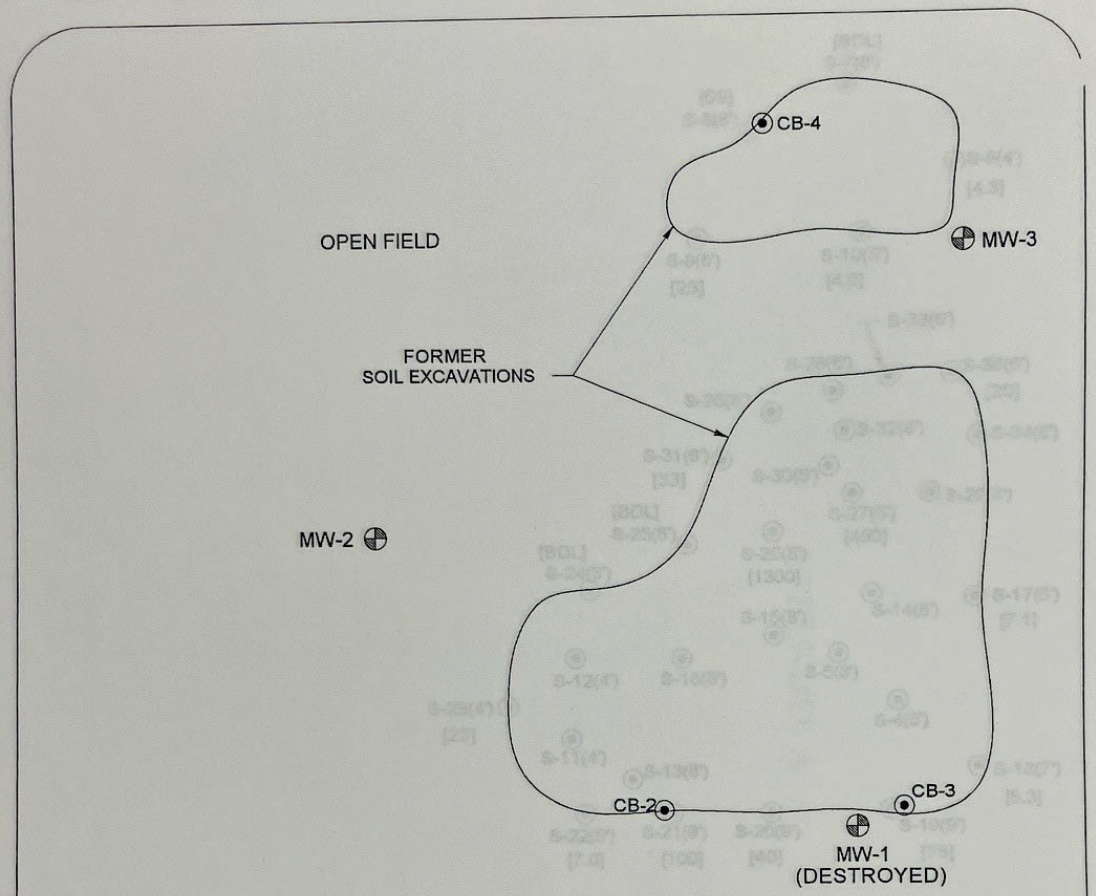


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DMA 5155 I NE—SERIES V842

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: USGS QUADRANGLE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY STREET
CARRBORO, NORTH CAROLINA

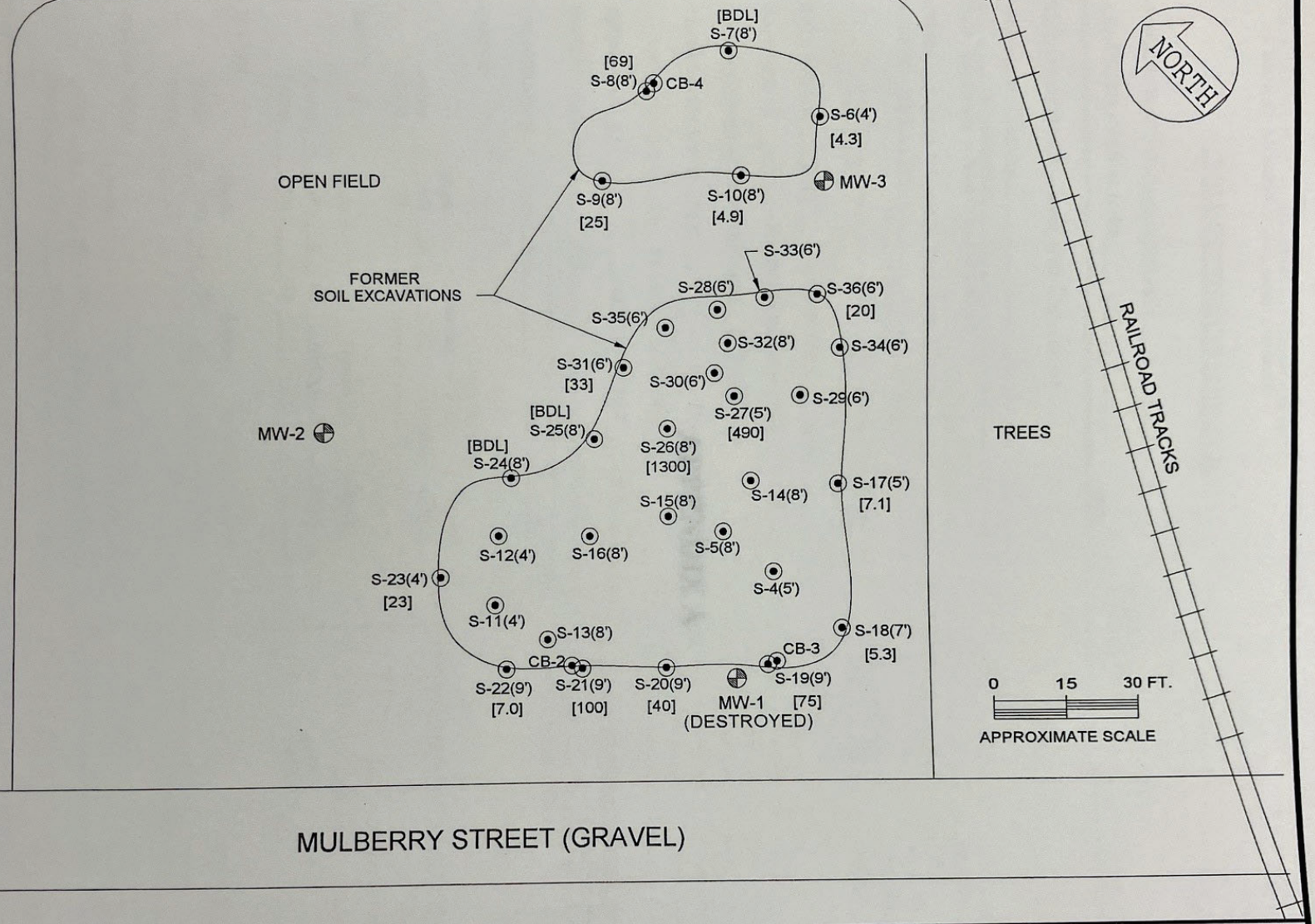


SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 2: SITE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ



LEGEND:

- MONITORING WELL
- SOIL SAMPLE LOCATION
- [XXX] TPH AS DIESEL CONCENTRATION (mg/kg) - METHOD 3550
- BDL = BELOW DETECTION LIMITS

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 3: SOIL SAMPLE LOCATIONS
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ

SPATCO
Engineering & Geological Services, P.C.
5100 North I-85
Suite 7A
Charlotte, NC 28206
704.597.4022

June 8, 2000

Mr. Jay Zimmerman
NC Department of Environment and Natural Resources
Division of Water Quality, Groundwater Section
1628 Mail Service Center
3800 Barrett Drive
Raleigh, North Carolina 27699-1628

RE: Former Glen Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
Incident Number 20705
SEI Project Number 500290

Dear Mr. Zimmerman:

In accordance with correspondence from your office dated May 23, 2000, SEI Environmental, Inc. personnel conducted a groundwater sampling event at the above referenced site. The details of that sampling event are summarized in this letter.

On May 25, 2000, SEI personnel mobilized to the site to collect groundwater samples from MW-2 and MW-3. Prior to sampling, each well was gauged with an electronic oil/water interface probe to measure depth to water and to detect any free product. Free product was not encountered in the monitoring wells. Monitoring well construction and groundwater depth data are included in Table 1. A site map showing the monitoring well locations is included as Attachment A.

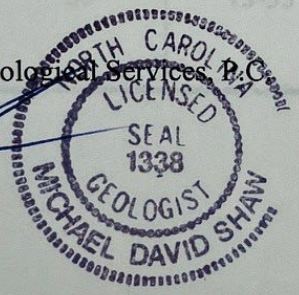
The monitoring wells were purged prior to sampling by removing a minimum of three well volumes of water with a centrifugal pump and new, disposable anhydrous ammonia sampling hose. A groundwater sample was collected after each well was allowed to recover. Each sample was collected using a new, disposable Teflon® bailer and placed in laboratory supplied, clean containers. The samples were maintained at 4°C and submitted under proper chain-of-custody procedures to Environmental Conservation Laboratories in Jacksonville, Florida, for analysis by EPA methods 602 with xylenes and 625 (BNA with TICs) and MADEP methods VPH and EPH.

No petroleum constituents were detected in the groundwater samples collected from either monitoring well MW-2 or MW-3 on May 25, 2000. One compound, caprolactam, was detected at an estimated concentration of 70.18 micrograms per liter (ug/L) in MW-3 and 7.73 ug/L in MW-2, well below the 15A NCAC 2L Standard of 3,500 ug/L. The source of the caprolactam is

suspected to be from the bailer twine used during monitoring well sampling. Additionally, an unknown compound was detected in MW-3 at an estimated concentration of 24.18 ug/L. The unknown compound was not able to be identified by the laboratory after a comparison to over 70,000 known compounds. Therefore, because the compound is unknown, the source of the compound can not be determined. The groundwater sample laboratory results are summarized in Table 2, and a copy of the laboratory reports and chain-of-custody forms is included in Attachment B.

Based on the groundwater results from the May 25, 2000, sampling event in which no violations of the 15A NCAC 2L standards were detected, SPATCO Engineering & Geological Services, P.C. requests that a no further action status be granted to the Former Glenn Oil Facility.

Sincerely,
SPATCO Engineering & Geological Services, P.C.



Michael D. Shaw. P.G.
NC License #1338

cc: Mr. John Hartley

TABLE 1

Monitoring Well Construction and Groundwater Depth Data

Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290

Well ID	Date Installed	Total Depth (feet)	Screened Interval (feet)	Date Gauged	Depth to Groundwater (feet)
MW-2	02/23/00	40	15-40	02/24/00	26.52
				03/13/00	24.69
				05/25/00	26.61
MW-3	02/23/00	35	15-35	02/24/00	29.00
				03/13/00	28.28
				05/25/00	28.22

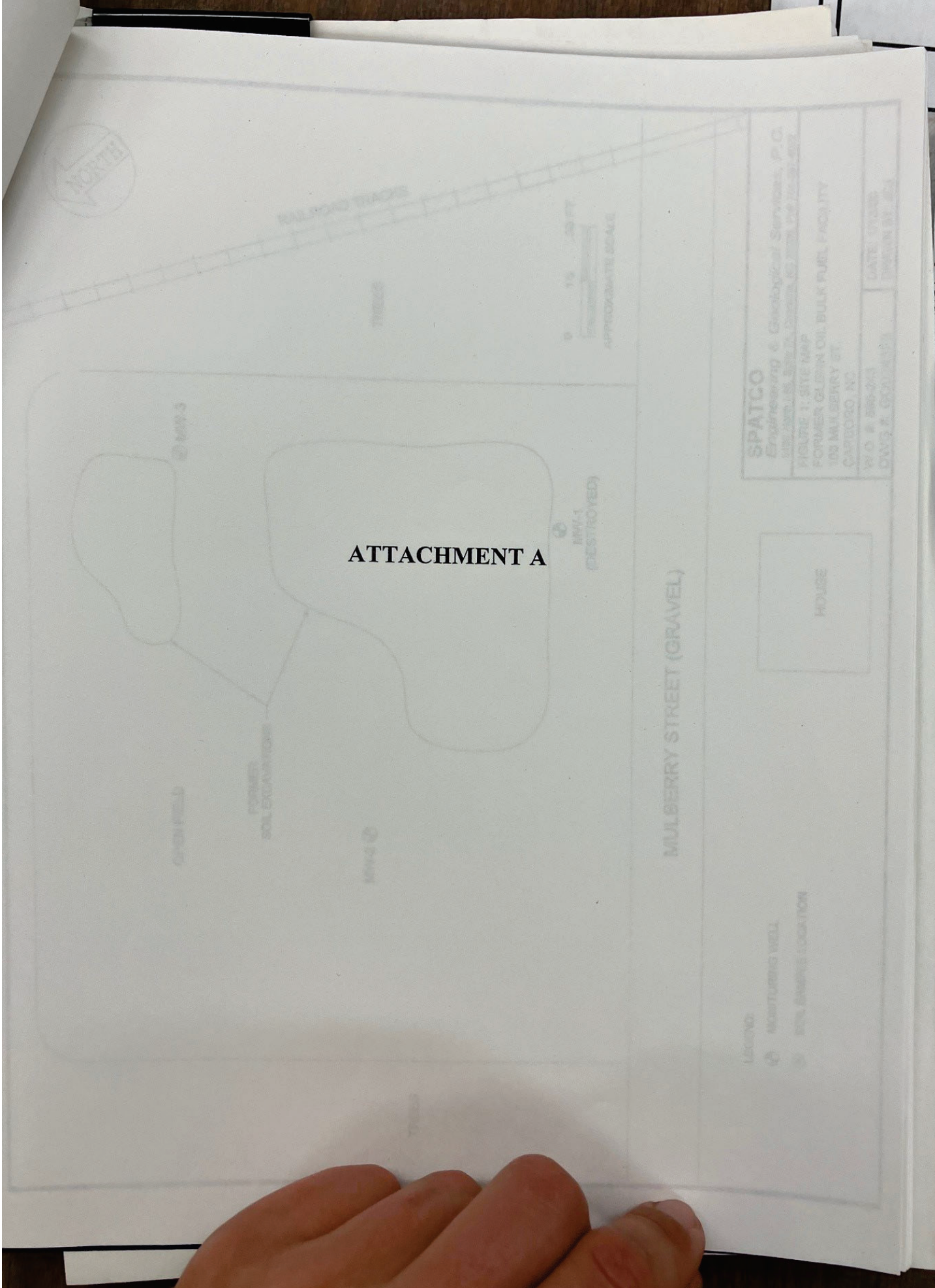
TABLE 2

Groundwater Analytical Results

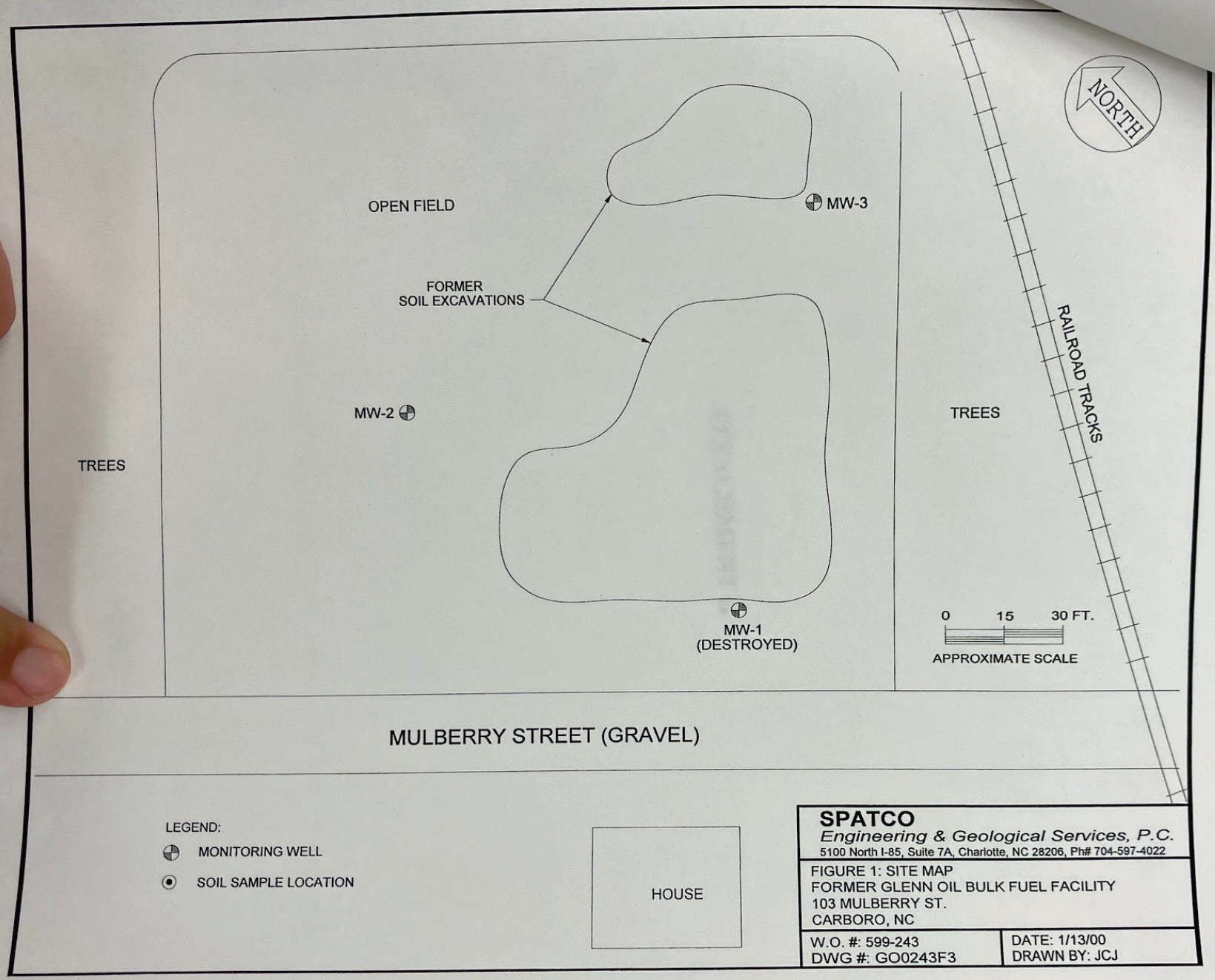
Glenn Oil Bulk Fuel Facility
103 Mulberry Street
Carrboro, North Carolina
SEI Project Number 500290
Date Sampled: May 25, 2000

Sample Location	Benzene (µg/L)	Ethyl-benzene (µg/L)	Toluene (µg/L)	Total Xylenes (µg/L)	Capro-lactam (µg/L)	C5-C8 Aliphatics (µg/L)	C9-C12 Aliphatics (µg/L)	C9-C18 Aliphatics (µg/L)	C19-C36 Aliphatics (µg/L)	C9-C10 Aromatics (µg/L)	C11-C22 Aromatics (µg/L)
MW-2	BDL	BDL	BDL	BDL	7.73	BDL	BDL	BDL	BDL	BDL	BDL
MW-3	BDL	BDL	BDK	BDL	70.18	BDL	BDL	BDL	BDL	BDL	BDL
2L Standard	**1**	**29**	**1,000**	**530**	**3,500**	**420**	**4,200**		**42,000**	**210**	

BDL = below detection limit
µg/L = micrograms per liter
BOLD denotes concentrations above the 15A NCAC 2L standard



ATTACHMENT A



SPATCO
Engineering & Geological Services, P.C.
5100 North I-85, Suite 7A, Charlotte, NC 28206, Ph# 704-597-4022

FIGURE 1: SITE MAP
FORMER GLENN OIL BULK FUEL FACILITY
103 MULBERRY ST.
CARBORO, NC

W.O. #: 599-243
DWG #: GO0243F3

DATE: 1/13/00
DRAWN BY: JCJ

Item Box 4 of 7

vironmental Conservation Laboratories, Inc.
15 Passport Way
ary, North Carolina 27513
919 / 677-1669
Fax 919 / 677-9846
www.encolabs.com

ENCO Laboratories

CLIENT : SEI Environmental, Inc.
ADDRESS: 130 Penmarc Drive
Suite 108
Raleigh, NC 27603

REPORT # : CRY10105
DATE SUBMITTED: May 25, 2000
DATE REPORTED : June 2, 2000

ATTENTION: Ms. Michelle McGinnis

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

PROJECT #: 500290

Glenn Oil

05/25/00

#1 - MW#3 @ 11:30
#2 - MW#2 @ 13:15

Note: EPH analysis was performed by subcontract laboratory and is reported under a seperate cover.

PROJECT MANAGER Amy R. Harris

Amy R. Harris

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

EPA METHOD 602 - VOLATILE AROMATICS	MW#3	MW#2	Units
Benzene	1.0 U	1.0 U	µg/L
Toluene	1.0 U	1.0 U	µg/L
Chlorobenzene	1.0 U	1.0 U	µg/L
Ethylbenzene	1.0 U	1.0 U	µg/L
m-Xylene & p-Xylene	1.0 U	1.0 U	µg/L
o-Xylene	1.0 U	1.0 U	µg/L
1,3-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,4-Dichlorobenzene	1.0 U	1.0 U	µg/L
1,2-Dichlorobenzene	1.0 U	1.0 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Bromofluorobenzene	123	103	59-132
Date Analyzed	05/26/00	05/27/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

EPA METHOD 625 - SEMIVOLATILE ORGANICS	MW#3	MW#2	Units
Acenaphthene	10 U	10 U	µg/L
Acenaphthylene	10 U	10 U	µg/L
Anthracene	10 U	10 U	µg/L
Benzidine	10 U	10 U	µg/L
Benzo(a)anthracene	10 U	10 U	µg/L
Benzo(b)fluoranthene	10 U	10 U	µg/L
Benzo(k)fluoranthene	10 U	10 U	µg/L
Benzo(g,h,i)perylene	10 U	10 U	µg/L
Benzo(a)pyrene	10 U	10 U	µg/L
Benzylbutyl phthalate	10 U	10 U	µg/L
Bis(2-chloroethoxy)methane	10 U	10 U	µg/L
Bis(2-chloroethyl)ether	10 U	10 U	µg/L
Bis(2-chloroisopropyl)ether	10 U	10 U	µg/L
Bis(2-ethylhexyl)phthalate	10 U	10 U	µg/L
4-Bromophenylphenyl ether	10 U	10 U	µg/L
2-Chloronaphthalene	10 U	10 U	µg/L
4-Chlorophenyl phenyl ether	10 U	10 U	µg/L
Chrysene	10 U	10 U	µg/L
Dibenzo(a,h)anthracene	10 U	10 U	µg/L
1,2-Dichlorobenzene	10 U	10 U	µg/L
1,3-Dichlorobenzene	10 U	10 U	µg/L
1,4-Dichlorobenzene	10 U	10 U	µg/L
3,3'-Dichlorobenzidine	20 U	20 U	µg/L
Diethyl phthalate	10 U	10 U	µg/L
Dimethyl phthalate	10 U	10 U	µg/L
Di-n-butyl phthalate	10 U	10 U	µg/L
Di-n-octyl phthalate	10 U	10 U	µg/L
2,4-Dinitrotoluene	10 U	10 U	µg/L
2,6-Dinitrotoluene	10 U	10 U	µg/L
Fluoranthene	10 U	10 U	µg/L
Fluorene	10 U	10 U	µg/L
Hexachlorobenzene	10 U	10 U	µg/L
Hexachlorobutadiene	10 U	10 U	µg/L
Hexachlorocyclopentadiene	10 U	10 U	µg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

A METHOD 625 (cont.) - MIVOLATILE ORGANICS	MW#3	MW#2	Units
xachloroethane	10 U	10 U	µg/L
ıdeno(1,2,3-cd)pyrene	10 U	10 U	µg/L
ɔophorone	10 U	10 U	µg/L
-Methylnaphthalene	10 U	10 U	µg/L
-Methylnaphthalene	10 U	10 U	µg/L
aphthalene	10 U	10 U	µg/L
itrobenzene	10 U	10 U	µg/L
-Nitrosodimethylamine	10 U	10 U	µg/L
-Nitrosodi-n-propylamine	10 U	10 U	µg/L
J-Nitrosodiphenylamine	10 U	10 U	µg/L
Phenanthrene	10 U	10 U	µg/L
Pyrene	10 U	10 U	µg/L
1,2,4-Trichlorobenzene	10 U	10 U	µg/L
4-Chloro-3-methylphenol	10 U	10 U	µg/L
2-Chlorophenol	10 U	10 U	µg/L
2,4-Dichlorophenol	10 U	10 U	µg/L
2,4-Dimethylphenol	50 U	50 U	µg/L
2,4-Dinitrophenol	30 U	30 U	µg/L
2-Methyl-4,6-dinitrophenol	10 U	10 U	µg/L
2-Nitrophenol	10 U	10 U	µg/L
4-Nitrophenol	10 U	10 U	µg/L
Pentachlorophenol	10 U	10 U	µg/L
Phenol	10 U	10 U	µg/L
2,4,6-Trichlorophenol			
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
Nitrobenzene -D5	65	62	30-106
2-Fluorobiphenyl	89	73	38-107
Terphenyl -D14	127	102	29-131
Phenol -D5	46	41	12-87
2-Fluorophenol	53	45	19-115
2,4,6-Tribromophenol	103	92	43-126
Date Extracted	05/30/00	05/30/00	
Date Analyzed	05/31/00	05/31/00	

U = Compound was analyzed for but not detected to the level shown.

TENTATIVELY IDENTIFIED COMPOUNDS

EPA Method 625
Sample: MW-3

#	CAS #	Compound Name	Est. Conc.(µg/L)
01	000105-60-2	Caprolactam	70.18
02	---	Unknown	24.18

EPA Method 625
Sample: MW-2

#	CAS #	Compound Name	Est. Conc.(µg/L)
01	000105-60-2	Caprolactam	7.73

ENCO LABORATORIES
REPORT # : CRY10105
DATE REPORTED: June 2, 2000
REFERENCE : 500290
PROJECT NAME : Glenn Oil

RESULTS OF ANALYSIS

MASS METHOD VPH - Vol. Petr. Hydrocarbons	MW#3	MW#2	Units
C5-C8 Aliphatics	40 U	40 U	µg/L
C9-C12 Aliphatics	20 U	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	76	93	70-130
Date Analyzed	05/26/00	05/26/00	

MASS METHOD VPH - Vol. Petr. Hydrocarbons	MW#3	MW#2	Units
C9-C10 Aromatics	20 U	20 U	µg/L
Surrogate:	**% RECOV**	**% RECOV**	**LIMITS**
2,5-Dibromotoluene	100	105	70-130
Date Analyzed	05/26/00	05/26/00	

U = Compound was analyzed for but not detected to the level shown.

TOXIKON CORPORATION
15 WIGGINS AVENUE
BEDFORD, MA 01730
TEL: (781) 275-3330

June 05, 2000

AMY HARRIS
ENCO
1015 PASSPORT WAY
CARY, NC 27513
TEL: (919) 677-1669
FAX (919) 677-9846

RE: CRY10105

Order No.: 0005546

Dear AMY HARRIS,

Toxikon received 2 samples on 5/26/00 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in a Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Paul Lezberg

Certifications: MA: MA 064, NH: 204099A and 204099B, ME: MA064, RI: 55, VT: MA064, TN: MA
NY: 10778, FL: E87143 and 87394, NC: 286, PA 68-461, CT: PH 0563, NJ: 59538, MD

Toxikon

Date: *05-Jun-00*

CLIENT:	ENCO
Project:	CRY10105
Lab Order:	0005546
Date Received:	5/26/00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date
0005546-01A	MW-3	5/25/00
0005546-02A	MW-2	5/25/00

Toxikon

CLIENT: ENCO
Project: CRY10105
Lab Order: 0005546

Date: 05-Jun-00

CASE NARRATIVE

North Carolina EPH/VPH Certification
Toxikon Work Order 0005546

VPH Soil Sample Collection Option _____
Option=1 Fill line on vial Option 2 = Sampling Device Option 3 = Field weight of soil

Were all QA/QC procedures REQUIRED by the VPH method followed? Yes ___ No ___
Were all QA/QC procedures REQUIRED by the EPH method followed? Yes ✓ No ___
Were all performance/acceptance standards for the required QA/QC procedures achieved? Yes ✓ No ___

Details regarding any answer "No" above are provided below.

Were any significant modifications made to the EPH/VPH methods as specified in Section 11.3? Yes ___ No ✓

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report it, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: LAB MANAGER

Printed Name: PAUL LEBERG Date: 6/5/00

Date: 05-Jun-00

CLIENT: ENCO
Lab Order: 0005546
Project: CRY10105
Lab ID: 0005546-01A

Client Sample ID: MW-3
Collection Date: 5/25/00
Matrix: AQUEOUS

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
MA EPH		MAEPH				Analyst: YLK
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	6/4/00
C19-C36 Aliphatics	ND	100		µg/L	1	6/4/00
Unadjusted C11-C22 Aromatics	ND	100		µg/L	1	6/4/00
Surr: Aliphatic Surrogate COD	41.0	40-140		%REC	1	6/4/00
Surr: Aliphatic Fractionation SS	107.5	40-140		%REC	1	6/4/00
Surr: Aromatic Surrogate OTP	96.0	40-140		%REC	1	6/4/00
Surr: Aro Fractionation SS	101.0	40-140		%REC	1	6/4/00

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

...kon

Date: 05-Jun-00

CLIENT: ENCO
Lab Order: 0005546
Project: CRY10105
Lab ID: 0005546-02A

Client Sample ID: MW-2
Collection Date: 5/25/00
Matrix: AQUEOUS

Analyses	Result	Rpt Limit	Qual	Units	DF	Date Analyzed
MA EPH		MAEPH				Analyst: YLK
C9-C18 Aliphatic Hydrocarbons	ND	100		µg/L	1	6/4/00
C19-C36 Aliphatics	ND	100		µg/L	1	6/4/00
Unadjusted C11-C22 Aromatics	ND	100		µg/L	1	6/4/00
Surr: Aliphatic Surrogate COD	69.0	40-140		%REC	1	6/4/00
Surr: Aliphatic Fractionation SS	99.5	40-140		%REC	1	6/4/00
Surr: Aromatic Surrogate OTP	93.0	40-140		%REC	1	6/4/00
Surr: Aro Fractionation SS	96.5	40-140		%REC	1	6/4/00

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

ENCO
4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210
10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945
1015 Pas...
Cary, North Carolina ...
Ph. (919) 677-1669 • Fax (919) 67...
ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PAGE | OF

PROJECT REFERENCE: CRY10105 | PROJECT NO. | P.O. NUMBER: CRY10105

PROJECT LOC. (State): NC | SAMPLER(s) NAME: Client | PHONE | FAX

CLIENT NAME | CLIENT PROJECT MANAGER: Amy Harris

CLIENT ADDRESS (CITY, STATE, ZIP): Cary, NC

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: 06/02/00

SAMPLE STATION	SAMPLE DATE	SAMPLE TIME	GRAB	COMP	SAMPLE IDENTIFICATION	MATRIX TYPE: SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	REQUIRED ANALYSIS: EDB	PRESERVATIVE	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1	05/25				MW-3		X								1	pH 2	1	Please fax results
2	05/25				MW-2		X								1	pH 2	1	
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		

	DATE	TIME		DATE	TIME		DATE	TIME
SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO			RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)			RELINQUISHED BY: (SIGNATURE) Amy Harris	05/25	5:00
RECEIVED BY (SIGNATURE)			RELINQUISHED BY: (SIGNATURE) ~~USPS~~ Fedex	5/26/00	9AM	RECEIVED BY: (SIGNATURE) William G. McNamara	5/26/00	9AM

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☐ Jacksonville ☐ Orlando			☐ YES ☐ NO		Cooler Temp 4°C

NCDENR

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

HARTLEY JOHN
CONSTRUCTO
942-0077

Ms. Kath
124 Este
Carrbor

Subje r and Soil Assessment

lity

Site Rank: 20E

Dear Ms. Ro

The Groundwater Section e Division of Water Quality reviewed the Assessment Report for the above facility on May 3, 2000. The report was received on April 7, 2000.

The following information is required in order to close out Groundwater Incident 20705:

* Sample MW-2 and MW-3 and analyze using EPA methods 602 with xylenes and 625 with the ten largest non-target peaks (TICS), and MADEP methods VPH and EPH. If no compounds are detected above the North Carolina Groundwater Standards, and no TICS are identified, the Groundwater Section will consider closing this incident. Closure may also be considered if it can be shown that the TICS are naturally occurring or are the result of lab contamination.

NC SCHOOLS FIRST IN AMERICA 2010

MAILING ADDRESS: 1628 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1628
LOCATION: 3800 BARRETT DRIVE, SUITE 101, RALEIGH, NC 27609
PHONE 919-571-4700 FAX 919-571-4718
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

Please provide this additional information on or before July 23, 2000. If you have any questions, please contact me at (919) 571-4700.

Sincerely,

Jim Roush
Hydrogeologist
Raleigh Regional Office

cc: File / JMR
Michelle McGinnis, 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Mr. John Hartley, Hartley Construction, 302 West Weaver Street, Suite G, Carrboro, NC 27510

POLLUTION INCIDENT/U.S.T. LEAK REPORTING FORM

Department of Environment, Health, Natural Resources
Division of Environmental Management
GROUNDWATER SECTION

CLOSED OUT

Confirm. GW Contamination (Y/N) Y
Major Soil Contamination (Y/N) Y
Minor Soil Contaminatin (Y/N) ____

Incident # 20705

Date Incident Occurred or Leak Detected 6/1/98

INCIDENT DESCRIPTION

Incident Location/Name GLENN OIL BULK FUEL FACILITY

Address 103 MULBERRY ST.

City/Town CARRBORO | County ORANGE | Region RAL.

Briefly Describe Incident Site Assessment of area around six above ground storage tanks turned up up to 2400 ppm diesel range total petroleum hydrocarbons in the soil and up to 180,000 ppb C9 through C36 aliphatics in groundwater. Site has been out of operation for 20 years

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator Kathleen Robertson + Mary Glenn | Telephone 919-832-2535

Company ____ | Street Address 124 ESTES DRIVE EXT.

City CARRBORO | County ORANGE | State NC | Zip Code 27510

OWNERSHIP
0. N/A 1. Municipal 2. Military 3. Unknown (4.Private) 5.Federal 6. County 7. State

OPERATION TYPE
0. N/A 1. Public Service 2. Agricultrural 3. Residential 4. Educational/Relig. 5. Industrial (6. Commercial) 7. Mining

POLLUTANTS INVOLVED

CLOSED OUT

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
DIESEL	UNKNOWN	

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)
1. Intentional dump
2. Pit, pond, lagoon
3. Leak-underground
4. Spray irrigation
5. Land application
6. Animal feedlot
7. Source unknown
8. Septic tank
9. Sewer line
10. Stockpile
11. Landfill
(12.) Spill-surface
13. Well
14. Above-ground Storage Tank
15. Nonpoint source

PRIMARY POLLUTANT TYPE (Select one)
1. Pesticide/herbicide
2. Radioactive waste
3. Gasoline/diesel
(4.) Heating oil
5. Other petroleum prod.
6. Sewage/septage
7. Fertilizers
8. Sludge
9. Solid waste leachate
10. Metals
11. Other inorganics
12. Other organics

LOCATION
(1.) Facility
2. Railroad
3. Waterway
4. Pipeline
5. Dumpsite
6. Highway
7. Residence
8. Other

SETTING
(1.) Residential
2. Industrial
3. Urban
4. Rural

Site Priority Ranking 25E

D.E.M. Regional Contact JIM ROUSH | Signature [signature] | Date 9/24/99

GW-61 Revised 2/95

CONSUMER PAPER

NCDENR

JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES
RALEIGH REGIONAL OFFICE

DIVISION OF WATER QUALITY
GROUNDWATER SECTION
June 28, 2000

Ms. Kathleen G. Robertson
124 Estes Drive Extension
Carrboro, NC 27510

Review of the Former Glen Oil Bulk
Fuel Facility Site
103 Mulberry Street
Carrboro, Orange County
Incident Number 20705, Site Rank: 25E

Dear Ms. Robertson:

The Groundwater Section of the Division of Water Quality (Section) reviewed the above incident on June 26, 2000, and determined that the site is in compliance with State regulations. The following assumptions were made in closing out this incident; 1) the concentrations of caprolactam in monitoring wells MW-2 and MW-3 are representative of the highest concentrations that will be found at the site and 2) the unknown compound found in MW-3 will not pose a threat to human health or the environment.

This office has conducted a site visit and is relying on the accuracy of the information submitted by you and your agent to make this determination.

In closing this file, the Section reserves the right to reopen its investigation should information become available which indicates that the cleanup at this site does not meet regulatory requirements for site closure.

MAILING ADDRESS: 1628 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1628
LOCATION: 3800 BARRETT DRIVE, SUITE 101, RALEIGH, NC 27609
PHONE 919-571-4700 FAX 919-571-4718
AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER - 50% RECYCLED/10% POST-CONSUMER PAPER

Should you have any questions, please contact Mr. Jim Roush or me at (919) 571-4700.

Sincerely,

S. Jay Zimmerman, L. G.
Environmental Regional
Supervisor
Raleigh Regional Office

cc: File / JMR
Ms. Michelle McGinnis, 130 Penmarc Drive, Suite 108, Raleigh, NC 27603-2470
Mr. John Hartley, Hartley Construction, 302 West Weaver Street, Suite G, Carrboro, NC 27510

Appendix E:

Regulatory File Review

No documents have been associated with this appendix.

Appendix F:

Vapor Encroachment Evaluation

No documents have been associated with this appendix.

Appendix G:

Qualifications

FIRM:
Summit Design and Engineering Services, PLLC

Aaron Gross, P.G.
Geotechnical Engineering

Education
B.S., Geology
The University of North Carolina at Chapel Hill, 2015

Professional Registrations
Licensed Geologist,
North Carolina
License No. 2620

Professional Affiliations
The Geological Society of America (GSA)

Association of Environmental & Engineering Geologists (AEG)

Location
320 Executive Ct
Hillsborough, NC 27278

Phone Number
919-732-3883

Email Address
Aaron.Gross@summitde.com

Work History
Summit Design and Engineering Services, PLLC., Field Geologist
2016 – Present

Land Environmental Group, Environmental Assistant
2014 – 2015

Aaron Gross, P.G.
Senior Geologist

Mr. Gross has over five years of geotechnical investigations, geotechnical engineering, and environmental consulting experience. He is a licensed Professional Geologist in North Carolina. Mr. Gross is an experienced and well-rounded geologist consulting on both geotechnical and environmental projects throughout his career.

Representative Environmental Projects

- CA Ventures - Site 2 – 9 contiguous parcels totaling approximately 2.5-acres located on Hillsborough Street in Raleigh, North Carolina. An urban setting near North Carolina State University in an area with an extensive history of environmental contamination from past commercial and industrial activities. The area is currently being redeveloped for student housing, upscale shopping, and hotels under numerous Brownfield grants. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- Daniel Boone Village – 2 contiguous parcels totaling almost 60-acres located in Hillsborough, North Carolina. A large and complex site with unique historical usage. It was developed into an amusement park in the 1960s and later transitioned into a commercial shopping center. The parcel is currently being redeveloped for housing, hotel, and retail shopping. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- River Village – 130-acre parcel located in Burlington, North Carolina. The mostly undeveloped property along the Haw River was planned to be developed into a new residential subdivision. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site, which uncovered the presence of a Pre-Regulatory Landfill partially on the property.

- 1201 & 1211 North Mineral Springs Road – 2 contiguous parcels totaling approximately 12.5-acres located just outside of Durham, North Carolina. The site was planned to be redeveloped for a residential subdivision. The current tenant of the property was running an auto restoration business with over 50 vehicles present on the site. A large construction debris landfill was present on the site as well. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- 7501 & 7543 Mallard Creek Road – 2 contiguous parcels totaling approximately 6-acres located in Charlotte, North Carolina. The site was a run-down mobile home park slated for redevelopment. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

SUMMIT
DESIGN AND ENGINEERING SERVICES

Appendix H:

Additional Documentation

ASTM E1527-13 USER QUESTIONNAIRE

User - the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the *User* must conduct the following inquires required by 40 CFR 312.25, 312.28, 312.29, 312.30 and 312.31. The *User* should provide the following information to the Environmental Professional (EP). Failure to conduct these inquires could result in a determination that "all appropriate inquiries" is not complete.

This questionnaire should be completed and signed by the *User,* or a designated representative of the *User* who is familiar with the subject property. Please complete and return this questionnaire as soon as possible to Aaron Gross, P.G. at Aaron.Gross@summitde.com.

Subject Property Name: Crest Street

Subject Property Location: Carrboro, North Carolina

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).
Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the subject property under federal, tribal, state, or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

2. Activity and Use Limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26).
Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations

where these records might be kept.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No

☐ Yes

If yes, please explain below:

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for the subject property reasonably reflect the fair market value? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present on the property?

☐ No

☐ Yes

If no, please explain below:

Unknown, the Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The transaction involved a recombination and quit-claim deed. The property was part of the Oakwood Public Housing complex before conveyance. The value of the property in 2018 was $308,928. See agenda item for more information: https://carrboro.legistar.com/View.ashx?M=F&ID=6259145&GUID=1CB22693-629B-493C-B836-293E48D17FC2

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the EP to identify conditions indicative of releases or threatened releases? For example,

a. Do you know the past uses of the subject property?

   No

b. Do you know of specific chemicals that are present or once were present at the subject property?

   No

c. Do you know of spills or other chemical releases that have taken place at the subject property?

No

d. Do you know of any environmental cleanups that have taken place at the subject property?

No

6. The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)
Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

☐ No

☐ Yes

If yes, please explain below:

Unknown

7. Additional *User*-Provided Information.
The following information, if available, should be provided to the EP but is not required to qualify for one of the LLPs. This information includes:

a. The reason why the Phase I ESA is being performed?

Under the Town's Land Use Ordinance, development review is conducted under a four-step process. One of these steps is identifying the primary and secondary constraints for development. Any due diligence of developing on this property would include an assessment of potential brownfields. Appendix A of the Land Use Ordinance also gives the Town the opportunity to ask for more information about the property before a development occurs.

b. The type of property and type of property transaction (sale, purchase, exchange, etc.)?

Zoning: R75
The Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The transaction involved a recombination and quit-claim deed. The property was part of the Oakwood Public Housing complex before conveyance.

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature: _____

Date: 5-3-24

PHASE I ESA - STANDARD INTERVIEW FORM

Subject Property: Crest Street, Carrboro NC

Interviewer: Aaron Gross, PG

Interviewee: Martin Roupe, Laura Janway

Date of Interview: 5-3-24

1) What is your relationship to the subject property? (Owner, Tenant, Neighbor, Caretaker, Etc.)

Owner

2) How long have you owned or had knowledge of the subject property?

Owned since 2003

3) To the best of your knowledge, what is the current use of the subject property?

None

4) To the best of your knowledge, can you provide a brief history of the subject property and its uses?

The Town of Chapel Hill conveyed the Crest Street property to the Town of Carrboro in 2003 for the use as affordable housing. The property was part of the Oakwood Public Housing complex before conveyance.

5) If applicable, please provide a brief list of any current structures or that may have historically been present on the subject property (ex. buildings, homes, barns, storage sheds, etc.) and approximately when they were constructed.

The property was part of the Oakwood Public Housing complex before conveyance. Oakwood Public Housing Complex was built in 1984. Staff do not currently know if any of the Oakwood structures were present on the Crest St property in the past.

https://www.townofchapelhill.org/Home/Components/FacilityDirectory/FacilityDirectory/95/4342

6) If applicable, and to the best of your knowledge, what are the methods of heating the structures currently present on the subject property? Past methods of heating historical structures?

Unknown

7) If not already indicated above, have there ever been any heating oil Underground Storage Tanks (USTs) or Above-Ground Storage Tanks (ASTs) in use on the subject property?

Unknown

8) To the best of your knowledge, are there currently, or have there ever been, any other types of USTs or ASTs present on the subject property? If so, what were they storing?

Unknown

9) Are you aware of any past or current handling of hazardous substances or petroleum products on the subject property?

No

10) To the best of your knowledge, are there any water wells on the subject property? If so, have there ever been any contamination issues associated with the wells?

Unknown

11) To the best of your knowledge, are there any septic systems present on the subject property? If so, have there ever been any incidents or spills associated with the septic systems?

Unknown

12) Are you aware of any dumping or disposal areas on the subject property? This could include trash, construction debris, fill dirt, or other debris.

No

13) Are you aware of any environmental incidents or soil or groundwater contamination on your property or on neighboring properties?

No

14) Do you have any other information that you wish to share that may be pertinent to the historical use of or related to potential environmental concerns for the subject property?

No

15) Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

16) Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

17) Are you aware of any notices from any governmental entity regarding any possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products?

No

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature:

Date: 5-3-24

From: Carl Freeman
To: Aaron Gross, PG
Subject: RE: Crest Street and Pathway Drive Response Records
Date: Tuesday, May 7, 2024 2:42:30 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png

Sorry for the delay I'm not aware of any of these issues on these properties. Thank you

Carl Freeman, Deputy Chief/ Fire Marshal
Carrboro Fire Rescue Department
cfreeman@townofcarrboro.org 919-918-7352

From: Aaron Gross, PG <aaron.gross@summitde.com>
Sent: Thursday, April 18, 2024 10:40 AM
To: Carl Freeman <CFreeman@carrboronc.gov>
Subject: Crest Street and Pathway Drive Response Records

Carl,

I am a geologist performing a Phase I Environmental Site Assessment for two sites in Carrboro Town Limits. The two sites include a vacant lot on Crest Street (PIN 9778899390) and three contiguous parcels on Pathway Drive (1814, 1814-A, and 1816 Pathway Drive, PIN 9779429615, 9779531130, and 9779727516, respectively). As part of the ASTM Standard, I'm required to reach out to local government officials regarding potential responses to fires, hazardous material spills, or underground storage tank closures/removals at the subject property. Does your department have any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties? If I need to direct this email to another department or local authority, please let me know and sorry for sending this in error. Any help would be greatly appreciated, thanks for your time!

Aaron Gross, PG
Senior Geologist
Tel: 919-732-3883 x3154
Cell: 919-428-3191





Town of Carrboro, NC Website -
https://link.edgepilot.com/s/89ab13ce/GriWwAfapkCXuMoKVXIRQw?u=https://www.carrboronc.gov/

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June 11, 2924

Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

Subject: Phase I Environmental Site Assessment
1814 & 1816 Pathway Drive
Carrboro, NC 27510
Project No. 23-0350.204

Dear Ms. Vanaman

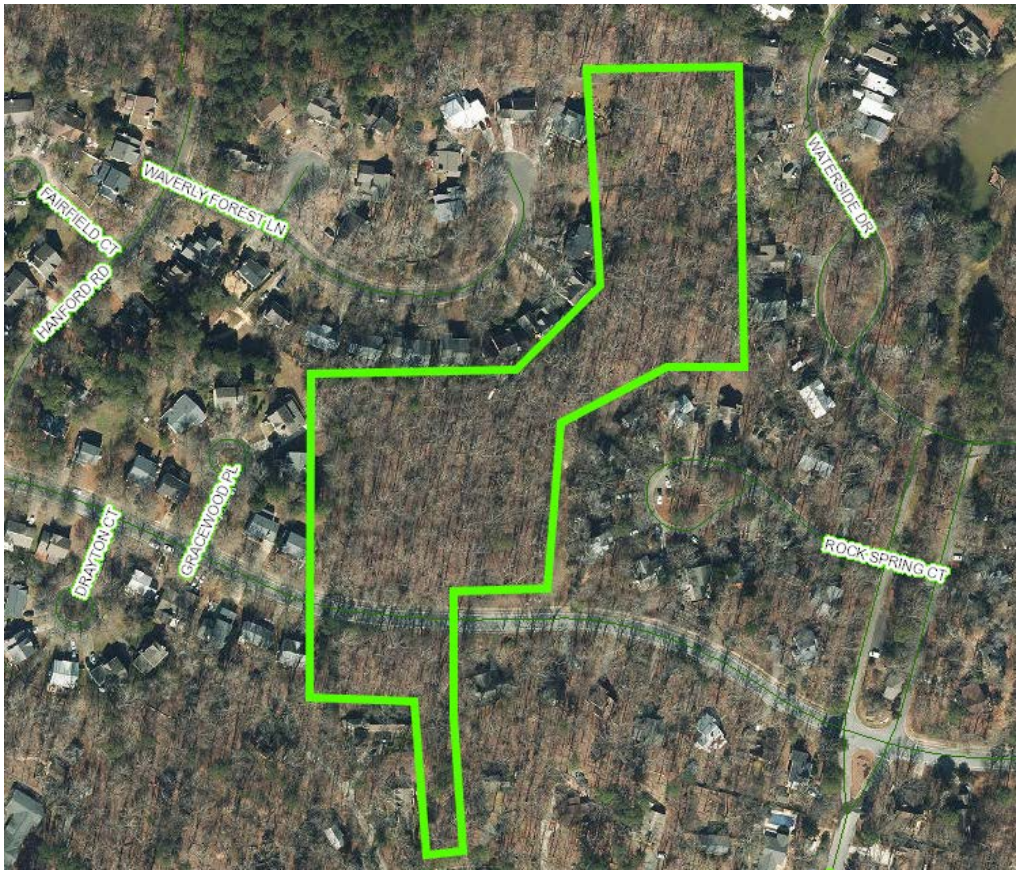
Please find enclosed the Phase I Environmental Site Assessment we have completed for the above referenced subject property. We appreciate this opportunity to serve you. Please contact me if you have any questions about the report.

Sincerely,
Summit Design & Engineering Services

Aaron B. Gross
Senior Geologist

Phase I Environmental Site Assessment Report

Pathway Drive
1814 & 1816 Pathway Drive
Carrboro, NC 27510



Prepared by
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278

Prepared for
Ms. Anne-Marie Vanaman
Town of Carrboro
301 W. Main Street
Carrboro, NC 27510

May 31, 2024
Project # 23-0350.204

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1.0 GENERAL INFORMATION

Project Information:
Carrboro Due Diligence - Pathway Drive
Project Number:
23-0350.204

Consultant Information:
Summit Design & Engineering Services
320 Executive Court
Hillsborough, NC 27278
Phone: (919) 732-3883
E-mail Address: aaron.gross@summitde.com
Inspection Date: April 29, 2024
Report Date: May 31, 2024

Site Information:
Pathway Drive
1814 & 1816 Pathway Drive
Carrboro, NC 27510
County: Orange
Latitude, Longitude: 35.928148, -79.084454
Site Access Contact:

Client Information:
Anne-Marie Vanaman
amvanaman@carrboronc.gov
301 W. Main Street
Carrboro, North Carolina 27510

Site Assessor

Aaron B. Gross
Senior Geologist

Senior Reviewer

Aaron B. Gross
Senior Geologist

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Aaron B. Gross - Senior Geologist

2.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in conformance with and generally met the requirements of ASTM E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions.

The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

This ESA was performed by or under the responsible charge of an Environmental Professional (EP) as defined in the ASTM E1527-21 Standard. The assessment was conducted by Aaron Gross, PG with Summit Design & Engineering Services, PLLC.

2.1 Subject Property Description

The subject property is known as Pathway Drive and is located at 1814 & 1816 Pathway Drive, Carrboro, NC.

The subject property consists of three (3) parcels totaling approximately 6.33 acres in size and is located at 35.928148 (Latitude) & -79.084454 (Longitude) in Orange County, NC. According to information obtained from the Orange County Geographic Information System (GIS), the PINs for the parcels comprising the subject property are as follows: 9779429615, 9779531130, and 9779427516

The subject property is currently an undeveloped wooded lot transected by Pathway Drive. A sanitary sewer and intermittent stream transects the northern end of the subject property. The surrounding area is comprised of residential single-family homes.

In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed.

2.2 Environmental Report Summary

A summary of findings from the Phase I ESA is provided in the table below. Summit recommends that this report be read in its entirety to achieve a more comprehensive and detailed understanding of the findings presented below.

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
4.3	**Current Use of Subject Property**	X					
4.5	**Adjoining Property Information**	X					
6.2.7	**Previous Environmental Reports**	X					
6.2.9	**Historical Summary**	X					

Report Section		No Further Action	REC	HREC	CREC	Issue / Further Investigation	Comments
6.3	**Standard Environmental Record Resources**	X					
7.3.1	**Drums, Totes, and Intermediate Bulk Containers**	X					
7.3.2	**Drains and Sumps**	X					

2.3 Conclusions

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Pathway Drive). Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

3.0 INTRODUCTION

A Phase I Environmental Site Assessment is a qualitative study of existing information and available records along with a site inspection designed to identify, to the extent feasible, environmental contamination liabilities in connection with a parcel of commercial real estate. This Phase I Environmental Site Assessment was performed in conformance with and generally met the requirements of the American Society for Testing and Materials (ASTM) E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* This assessment was conducted under the supervision or responsible charge of an individual who qualifies as an Environmental Professional (EP), as defined in the ASTM E1527-21 Standard.

Summit Design & Engineering Services performed a Phase I Environmental Site Assessment (Phase I ESA) of the subject property (Pathway Drive) located in Orange County, NC.

3.1 Purpose

The purpose of the ASTM E1527-21 Standard is to define good commercial and customary practice in the United States of America for conducting an environmental assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. 9601) and petroleum products.

This practice is intended to permit a User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability, also known as Landowner Liability Protections (LLPs). This practice constitutes all appropriate inquiries into the previous ownership and uses of the property, consistent with good commercial and customary practice as defined in 42 U.S.C. 9601(35)(B).

The goal of the processes established by the ASTM E1527-21 Standard Practice is to identify recognized environmental conditions. The term Recognized Environmental Condition (REC) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

A condition determined to be a de minimis condition is not a recognized environmental condition. A de minimis condition is defined by the ASTM E1527-21 Standard as "a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

3.2 Scope of Work

Summit Design & Engineering Services was contracted by Town of Carrboro to conduct a Phase I ESA for the subject property (Pathway Drive). Our services were provided in accordance with and are described in detail within Summit's Proposal "Town of Carrboro Proposal for Town Owned Land - Site Assessment (RFQ #2023-425-2," dated January 27, 2023 and revised August 28, 2023.
The Phase I ESA conducted at the subject property was in general accordance with ASTM Standard E1527-21 and included the following:

- A site reconnaissance and visual survey of properties proximate to the subject property,
- Review of records and interviews with regulatory officials and representatives regarding current and former operations at the subject property,
- A review of historical resources, such as: property records, topographic maps, fire insurance maps, city directories, and aerial photographs,

- Review of previous environmental site assessments, if made available,
- Review of State and Federal environmental database information, and
- Evaluation of information and preparation of the report provided herein.

Typically, a Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water, or building materials. These activities would be carried out under separate cover, if necessary.

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice."

Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services unless otherwise described in Section 9.0 of this report.

3.3 Significant Assumptions

No Phase I ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The performance of this practice is intended to reduce but not eliminate uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost. A Phase I ESA is not an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, might be a material detriment to the orderly completion of transactions.

One of the purposes of the ASTM E1527-21 Standard Practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the User, and the information developed in the course of the inquiry.

Phase I ESAs, such as the one performed for this site, are of limited scope, are non-invasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site. It was not the purpose of this study to determine the actual presence, degree, or extent of contamination, if any, at this site. This determination could require additional exploratory work, including sampling and laboratory analysis.

Information obtained for this ESA was collected from numerous different sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the Client. However, in some instances, the information requested is not, or was not, received by the issuance date of the report. It should be recognized that environmental concerns may be documented in information not received or public records that are not reviewed. Observations, conclusions, and opinions presented within this report are necessarily limited to conditions observed and materials reviewed at the time this study was undertaken.

3.4 Limitations and Exceptions

This Phase I ESA was performed in general conformance with the ASTM E1527-21 Standard. However, limiting conditions are commonly encountered by an EP during the course of a Phase I ESA. Limiting conditions can vary significantly from physical obstructions or access issues during the site reconnaissance to the inability to obtain information or interview key personnel before the reporting

deadline. Limitations and exceptions to ASTM Standard E1527-21 noted during the course of the Phase I ESA are discussed below:

- Thick vegetation and dense ground cover limited visibility in many areas of the subject property.

3.5 Deviations

Limiting conditions, if significant enough, can lead to deviations from the ASTM E1527-21 Standard Practice. Limiting conditions and resulting deviations from the ASTM Standard Practice can lead to data gaps. A data gap is defined by the ASTM E1527-21 Standard as "a lack of or inability to obtain information required by this practice despite good faith efforts by the EP to gather such information." Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.).

A data gap by itself is not inherently significant and can be commonly encountered by an EP during the course of a Phase I ESA. In most cases, the gaps in information can be filled by the EP through other avenues of research and investigation. However, in some instances, data gaps can be considered significant. A significant data gap is defined by the ASTM E21527-21 Standard as "a data gap that affects the ability of the environmental professional to identify a recognized environmental condition."

Deviations from the ASTM 1527-21 Standard Practice and resulting data gaps encountered during this Phase I ESA are listed with their significance evaluated and discussed in the following paragraphs below:

- Summit was unable to interview past owners of the subject property per Section 10.0 of the ASTM Standard and this is considered a data gap. However, Summit does not consider this to be a significant data gap. Summit considers it unlikely that the previous property owners would have additional pertinent information on the subject property beyond what was researched and obtained by Summit during this Phase I ESA.

3.6 Special Terms and Conditions

No warranty, expressed or implied, is made concerning the conclusions and opinions presented within this report. The findings of this ESA are not intended to serve as an audit for health and safety compliance issues pertaining to improvements or activities at the site. Summit is not liable for the discovery or elimination of hazards that may potentially cause damage, accidents, or injury. The limitations described herein must be considered when the User of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated but not eliminated through additional research or assessment.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance, and other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). We have no obligation to provide information obtained or discovered by us after the date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions or opinions in the report.

This practice does not address requirements of any state or local laws or of any federal laws other than the "all appropriate inquiries" provisions of the LLPs. Users are cautioned that federal, state, and local laws may impose environmental assessment obligations that are beyond the scope of this practice. Users should also be aware that there are likely to be other legal obligations with regard

to hazardous substances or petroleum products potentially discovered on the property that are not addressed in this practice and that may pose risks of civil or criminal sanctions for non-compliance. Furthermore, observations, conclusions, and opinions presented within this report are not to be construed as legal interpretations or advice.

3.7 Reliance

This Phase I ESA report was prepared for the exclusive use and reliance of Town of Carrboro (Client). Use or reliance by any other party is prohibited without the written authorization of the Client and Summit. If the Client is aware of additional parties that will require reliance on the ESA report, Summit may grant reliance on the ESA report to those approved parties upon receipt of a fully executed Reliance Agreement (available upon request) and receipt of the information requested in the Reliance Agreement. Reliance on the ESA by the Client and all authorized parties will be subject to the terms, conditions, and limitations stated in the Standard Contract for Professional Services, Summit's Proposal, the Reliance Agreement, and the Phase I ESA report.

The limitation of liability defined in the Standard Contract for Professional Services is the aggregate limit of Summit's liability to the Client and all relying parties. The continued viability of the report is subject to ASTM E1527-21 Sections 4.6 and 4.8. If the ESA is used by a different user (third party), then the user for whom the ESA was initially prepared, the third party must also satisfy the User's Responsibilities in Section 6 of the ASTM E1527-21 Standard.

4.0 SUBJECT PROPERTY DESCRIPTION

The term "subject property" is utilized throughout the ASTM Standard and within this report. The ASTM E1527-21 Standard defines the subject property as "the property that is the subject of the environmental site assessment described in this practice." The subject property of this Phase I ESA is thoroughly defined and described in the following sections. For detailed maps showing the subject property and the surrounding area, please see Figures I - II located in Appendix A.

4.1 Location and Legal Description

The subject property is known as Pathway Drive and is located at 1814 & 1816 Pathway Drive, Carrboro, NC.

The subject property consists of three (3) parcels totaling approximately 6.33 acres in size and is located at 35.928148 (Latitude) & -79.084454 (Longitude) in Orange County, NC. According to information obtained from the OrangeCounty Geographic Information System (GIS), the PINs for the parcels comprising the subject property are as follows: 9779429615, 9779531130, and 9779427516

4.2 Subject Property and Surrounding Area Description

The subject property is currently an undeveloped wooded lot transected by Pathway Drive. A sanitary sewer and intermittent stream transects the northern portion of the site. The surrounding area is comprised of residential single-family homes.

4.3 Current Use of Subject Property

The subject property is currently wooded and undeveloped. In our research, Summit Design & Engineering Services has not found any evidence that the subject property has ever been developed. A sanitary sewer transects the site to the north. Pathway Drive transects the parcels.

According to the Town of Carrboro Zoning information available on Orange County GIS, the subject property is zoned Residential.

4.4 Description of Structures and Other Improvements

A sanitary sewer transects the subject property in the north. Pathway Drive transects the parcels in the south. No other structures are on the property. Therefore, no utilities are connected to the subject property at this time. Based on its location within Carrboro city limits, it is assumed that the Town of Carrboro can connect to this property for water and sewer services, and that Duke Energy would supply electricity and Dominion Energy would provide natural gas.

4.5 Adjoining Property Information

The ASTM E1527-21 Standard defines adjoining properties as "any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them." The following table summarizes the occupants, uses, and other additional pertinent information for the adjoining properties:

Adjoining Property Information			
Direction From Subject Property	**Occupant**	**Use**	**Comments**
North	Various	Residential	Residential (Single-Family) and Vacant (Undeveloped Wooded Land)
South	Various	Residential	Residential (Single-Family)

Direction From Subject Property	Occupant	Use	Comments
East	Various	Residential	Residential (Single-Family)
West	Various	Residential	Residential (Single-Family)

5.0 USER-PROVIDED INFORMATION

The ASTM E1527-21 Standard defines the User as "the party seeking to use Practice E1527 to complete an environmental site assessment of the subject property." A User may include, without limitation, a potential purchaser of the property, a prospective tenant of the property, an owner of the property, a lender, or a property manager.

The "All Appropriate Inquiries" Final Rule (40 CFR Part 312) requires that certain tasks be performed by or on behalf of a party seeking to qualify for an LLP to CERCLA liability. While such information is not required to be provided to the EP, the EP should request that the User provide the results of these tasks as such information can assist the EP in identifying RECs in connection with the subject property. If the User does not communicate this information (Section 6.0 of the ASTM E1527-21 Standard), the EP should consider the absence of such information as a Data Gap. In the case of this Phase I ESA, Summit has identified the User as the Client,Town of Carrboro.

Per the ASTM E1527-21 Standard, the *User Questionnaire* should be completed and signed by the User or a designated representative of the User who is familiar with the subject property. This questionnaire is designed to summarize the topics and information that should be communicated to the EP, which, when completed by the User, should satisfy the User's Responsibilities under Section 6.0 of the ASTM Standard.

The *User Questionnaire* was submitted to Ms. Anne-Marie Vanaman, Housing and Community Services Director with Town of Carrboro, via email on April 5th, 2022. The questionnaire was completed by Martin Roupe, Development Review Administrator and Laura Janway, Environmental Sustainability Coordinator with Town of Carrboro and returned to Summit on May 22, 2024. Their responses are summarized in the following sections, and a copy of the completed *User Questionnaire* can be found located in Appendix H.

5.1 Environmental Liens

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Environmental Liens filed or recorded against the subject property under federal, tribal, state, or local law.

5.2 Activity and Use Limitations

A search of recorded land title records (or judicial records where appropriate) conducted by Town of Carrboro (or their representatives) did not identify any Activity and Use Limitations (AULs), such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed against the subject property under federal, tribal, state, or local law.

5.3 Specialized Knowledge or Experience

Town of Carrboro did not report having any specialized knowledge or experience related to the subject property or nearby properties.

5.4 Valuation Reduction for Environmental Issues

A lower purchase price may be an indication of known or suspected contamination present on the property. Town of Carrboro reported that the purchase price being paid for the subject property reasonably reflects the fair market value.

5.5 Commonly Known or Reasonably Acertainable Information

Town of Carrboro responded that they were not aware of any of the past uses of the subject property. They were also not aware of any specific chemicals present or once preset, spills or chemical releases, or environmental cleanups that have taken place at the subject property.

5.6 Obvious Indicators of Contamination

Town of Carrboro reported that based on their knowledge and experience, there are no obvious indicators that point to the presence or likely presence of releases of hazardous substances or petroleum products at the subject property.

5.7 Reason For Performing Phase I ESA

Town of Carrboro indicated that the reason why the Phase I ESA is being performed is for the planned residential development of the subject property. They also stated that the type of property transaction was a purchase of the subject property.

6.0 RECORDS REVIEW

The purpose of the Records Review is to obtain and review records that will help identify RECs in connection with the subject property. The following section includes Summit's review of the Standard Federal, State, and Tribal Environmental Record Sources, Standard Physical Setting Resources, and Standard Historical Information Sources required by the ASTM E1527-21 Standard. To enhance and supplement the ASTM-required standard record sources, Summit also reviewed additional environmental record sources, additional physical setting resources, and other historical resources.

6.1 Physical Setting

The migration of environmental contamination in the subsurface can be influenced by surface topography, surface hydrology, soil characteristics, geology, and hydrogeology (i.e., groundwater flow direction and velocity). A detailed understanding of the physical setting of the subject property is, therefore, essential to the Environmental Professional (EP) in forming a professional opinion about the behavior of potential on-site contamination or the potential risk of contaminant migration from off-site sources should they be uncovered during the course of the ESA.

Summit reviewed physical setting information for the subject property from several different sources, including Environmental Data Resources, Inc. (EDR), the United States Geological Survey (USGS), the United States Department of Agriculture (USDA), and the North Carolina Geological Survey (NCGS).

General site settings including topography, surface water bodies, geology and hydrology are detailed in the following sections.

6.1.1 Topography

Surface topography may be indicative of the direction of shallow groundwater flow. This information can be used to assist the EP in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the subject property, what down-gradient sites might be impacted.

The subject property is located within the Piedmont Physiographic Province and would be best characterized as gently rolling. The topographic high of approximately 510 feet above sea level is located near the southwestern corner of the subject property. Topographic lows of approximately 430 feet occur at the northeastern corner of the subject property.

The subject property slopes on an approximately 16% gradient to the northeast and an 14% gradient to the southwest. The general topographic gradient of the subject property and surrounding area is north-northeast. Based on a review of the 2022 USGS topographic map for the subject property area, groundwater is inferred to flow generally to the northeast towards Bolin Creek.

6.1.2 Surface Water Bodies

Surface water features (i.e., rivers, creeks, lakes, ponds, wetlands, etc.) can act as a hydrologic conduit for or barrier to groundwater flow. Therefore, these features may act as a preferential pathway for or impediment to contaminant migration from potential off-site sources.

An unnamed ephemeral stream is present within the northeastern portion of the subject property. This intermittent feature flows to the east. No other surface water bodies are present within the subject property.

The nearest surface water in the vicinity of the subject property is an unnamed pond located approximately 260 feet to the northeast of the subject property. Bolin Creek also runs along the property and is located approximately 800 feet to the northeast.

6.1.3 Geology and Hydrology

The characteristics of the local soils can play an essential role in the behavior of potential environmental contamination as it enters and moves through the subsurface. The dominant soil composition in the general area of the subject property is a silt loam. The soil component name (map name) is Tatum, and it is primarily composed of Sandy Lean CLAY (CL), SILT (ML), and Silty SAND (SM). Tatum is rated as Class B (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. In addition, these three soil components are present on the subject property. The soil component name (map name) is Goldston. Goldston is rated as a Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with moderate corrosion potential for uncoated steel. The next soil component name (map name) is Enon. Enon is rated as a Class C (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. The last soil component name (map name) is Georgeville. Georgeville is rated as a Class B (Hydrologic Soil Group) and Well-Drained (Soil Drainage Class) with high corrosion potential for uncoated steel. A copy of the USDA Soil Conservation Service (SCS) data reviewed for the subject property and surrounding area can be found located in Appendix D.

The soils described above were developed from the weathering of the Ordovician aged Granitic Rock underlying the subject property and surrounding area. The underlying Geology can also play a significant role in potential contaminant migration and is critical to understand during an ESA. Geologic formations can impact the speed, direction, and depth that potential contaminants can travel in the subsurface.

At shallow depths and under unconfined conditions, groundwater flow would be expected to be primarily driven by variations in the elevation of the water table surface. This driving mechanism is called topographically-driven flow because the elevation of the water table usually mimics the elevation of the ground surface. Therefore, surface topography may be used to infer the direction of shallow groundwater flow in an area. Based on the topography of the subject property described in Section 6.1.1, shallow groundwater flow would be anticipated to flow towards the northeast with some localized variations. The depth to the water table would be expected to vary significantly from 5 to 20+ feet below the ground surface, with shallow depths near existing surface water features and deeper depths at the topographic highs of the subject property. During Summit's Geotechnical Investigation, 24-hour groundwater levels in one boring was encountered at a depth of 3.5 feet.

Deeper water-bearing zones usually occur within the underlying bedrock, which in this case, is composed of crystalline rock (Granitic Rock). The movement of groundwater through crystalline rocks is one of the least predictable phenomena in all of groundwater science. This is because the porosity of these rocks is very low, and a network of fractures usually controls permeability. The direction of groundwater movement in deeper bedrock aquifers may not be consistent with shallow, unconfined, and topographically-driven groundwater flow. EDR conducted a search of Local and Regional Water Agency records for information about water wells in the area. No data was readily available to help determine the direction of groundwater flow within the deeper bedrock water-bearing zones.

6.2 Historical Use

The EP must develop a history of the previous uses of the subject property, the adjoining properties, and the surrounding area. This research should be done in order to help identify the likelihood of past uses having led to RECs in connection with the subject property. To develop that history, the EP must consult a variety of historical sources and exercise professional judgment while considering the possibility of releases that might have occurred at or impacted the subject property in light of the suspected past uses or activities. Summit reviewed historical information from several different sources, all of which were provided by Environmental Data Resources, Inc. (EDR).

6.2.1 Sanborn/Historical Maps

The Sanborn Library is the largest, most complete collection of fire insurance maps. These maps can be used to track the historical usage of a property. EDR searched this library, and no fire insurance maps covering the subject property were found. The Certified Sanborn® Map Report is included in Appendix C.

6.2.2 Aerial Photos

Summit reviewed aerial photographs of the subject property, adjoining properties, and the surrounding area for evidence of former usage that may constitute a potential for environmental concern. Aerial photographs were available and were obtained from EDR for the following years: 1938, 1950, 1955, 1961, 1964, 1973, 1975, 1983, 1993, 1999, 2006, 2009, 2012, 2016, and 2020. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the aerial photos reviewed can be found in The EDR Aerial Photo Decade Package located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the aerial photographs:

Aerial Photos		
Date(s)	**Property Comments**	**Surrounding Area Comments**
1938	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1950	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1955	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1961	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else.
1964	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else
1973	Wooded	Wooded in all directions. The agricultural areas that were to the north and west have been turned back into wooded area. Single-family residences further southwest. Spring Valley Road was constructed by 1973.
1975	Wooded	Wooded to the east and to the south, agricultural and single-family residences everywhere else. Blueridge Road and Morningside Drive were constructed by 1975.
1983	Wooded	Wooded to the north, east, and west. A residential neighborhood has been built by 1983 to the south.
1993	Wooded	Wooded to the north. A residential neighborhood has been built to the east and west by 1993. Pathway Drive, Hartford Road, and Watershed Drive have all been built by 1993. The man pond that Watershed Drive borders has been built by 1993.

Date(s)	Property Comments	Surrounding Area Comments
1999	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2006	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2009	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2012	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2016	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.
2020	Wooded	Wooded to the north. Residential neighborhoods have been constructed everywhere else.

6.2.3 Historical Topographic Maps

Summit obtained historical topographic maps from EDR, including USGS maps from 1946, 1947, 1978, 1980, 1981, 1993, 2002, 2013, 2016, 2019, and 2022. Summit reviewed the historical topographic maps and compared findings with those observed in the aerial photography review. It should be noted that the observations in the surrounding area were generally kept to adjoining properties and other properties present within a quarter-mile radius of the subject property.

A copy of the historical maps reviewed can be found in the EDR Historical Topo Map Report located in Appendix C. Below is a summary of observations and pertinent information taken from Summit's review of the historical topographic maps:

Historical Topographic Maps			
Date(s)	Quad	Property Comments	Surrounding Area Comments
1947	Chapel Hill		Bolin Creek flows from northwest to the northeast. The area is mostly undeveloped at this time.
1980	Chapel Hill		A residential neighborhood has been constructed to the south. Blue Ridge Road, Morningside Drive, and Spring Valley Road was constructed by 1980.
1993	Chapel Hill	Pathway Drive was constructed by 1993.	Residential neighborhoods have been constructed to the east and west by 1993. Hartford Road, Watershed Drive, and a pond that is bordered by Watershed Drive have been constructed by 1993.

6.2.4 City Directories

Another of the ASTM standard historical sources to be reviewed for previous site use is local street directories, commonly known as City Directories. The purpose of the directory review is to identify past occupants of the subject property, adjoining properties, and nearby properties. In some rural areas, street directories' information is limited. A copy of the street directories reviewed can be found within The EDR-City Directory Image Report located in Appendix C.

Pathway Drive was designated the target street to search for any listings related to the subject property as well as adjoining and nearby properties. Spring Valley Road was searched as a cross street for any listings related to adjoining and nearby properties. Records were available from EDR for the following years:

1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020. Below is a summary of observations and pertinent information taken from Summit's review of the historical local street directories:

Date(s)	Property Comments	Surrounding Area Comments
1965-2020	No residences or occupants were listed for the subject property.	All listings for the surrounding area were residential.
1992	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 1992.
1995	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1813, 1807, 1809, 1810, 1811, 1813, and 1815 Pathway Drive were occupied in 1995.
2000	No residences or occupants were listed for the subject property.	Residential properties at 1803, 1807, 1809, 1811, 1813, and 2210 Pathway Drive were occupied in 2000.
2005	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2005.
2010	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2010.
2014	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2014.
2017	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1803, 1805, 1807, 1809, and 1811 Pathway Drive were occupied in 2017.
2020	No residences or occupants were listed for the subject property.	Residential properties at 1801, 1805, 1807, 1809, 1811, and 1813 Pathway Drive were occupied in 2020.
2020	No residences or occupants were listed for the subject property.	Residential properties at 102, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 200, 202, 204, 206, 208, 300, 301, 302, 303, 304, 306, 308, and 310 Spring Valley Road were occupied in 2020.

6.2.5 Building Department Records

Records obtained from Orange County Geographic Information System (GIS) online resources were reviewed for evidence indicating the developmental history of the subject property and for the presence of documentation relative to underground storage tanks. Since the subject property is undeveloped, no history of development of the subject property was available for review with these resources.

6.2.6 Title Records

No title records were provided by the Town of Carrboro. The most recent deed for the subject property was obtained through Orange County Geographic Information System (GIS) online resources. Information from our review of the most recent available deed is summarized in the table below:

Title Records			
Information Source	**Date(s)**	**Book/Page**	**Listed Owner**
Orange County, NC Register of Deeds	3/11/1988	712/79	Town of Carrboro

6.2.7 Previous Environmental Reports

No previous environmental reports were identified or made available by Town of Carrboro during the Phase I ESA.

6.2.8 Other Historical Records

No other historical records were reviewed by Summit Design & Engineering Services during this Phase 1 ESA.

6.2.9 Historical Summary

Historical information identifying the past use of the subject property was obtained from a variety of sources as detailed in Appendix C of this report and included City Directories, Aerial Photographs, Sanborn Fire Insurance Maps, and Topographic Maps.

Historical Summary			
Period	**Source**	**Subject Property Uses**	**Adjoining Property Uses**
1938	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1946	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1947	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1950	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1955	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1961	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1964	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1965	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1968	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1972	City Directories	Vacant/Undeveloped Wooded Land	Agricultural & Undeveloped Wooded Land
1972-1978	Topographic Maps	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land
1973	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land

Period	Source	Subject Property Uses	Adjoining Property Uses
1975	Aerial Photographs	Vacant/Undeveloped Wooded Land	Agricultural, Residential, & Undeveloped Wooded Land
1977	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1980	Topographic Maps	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1980-1981	Topographic Maps	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1982	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1983	Aerial Photographs	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1987	City Directories	Vacant/Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1992	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1993	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1993	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1995	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
1999	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2000	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2002	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2005	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2006	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2009	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2010	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2012	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2013	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2014	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2016	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2016	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2017	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2019	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2020	City Directories	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2020	Aerial Photographs	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land
2022	Topographic Maps	Agricultural, Residential, & Undeveloped Wooded Land	Residential, & Undeveloped Wooded Land

6.3 Standard Environmental Record Resources

Summit Design & Engineering Services contracted Environmental Data Resources, Inc. (EDR) to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. The number of listed sites identified within the approximate minimum search distance (AMSD) from the Federal and State environmental records database listings specified in ASTM Standard E 1527-21 are summarized in the following table. Detailed information for sites identified within the AMSDs is provided below, along with an opinion about the significance of the listing to the analysis of recognized environmental conditions in connection with the subject property. Copies of the EDR research data and a description of the databases are included in Appendix D of this report.

Map Findings Summary								
Database	**Subject Property**	**Search Distance (Miles)**	**< 1/8**	**1/8 - 1/4**	**1/4 - 1/2**	**1/2 - 1**	**> 1**	**Total Plotted**
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
FEDERAL FACILITY		0.5	0	0	0	NR	NR	0
SEMS		0.5	0	0	0	NR	NR	0
SEMS-ARCHIVE		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-VSQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONTROLS		0.5	0	0	0	NR	NR	0
ERNS		0.001	0	NR	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
EDR Hist Auto		0.125	1	NR	NR	NR	NR	1
SHWS		1	0	0	0	0	NR	0
SWF/LF		0.5	0	0	0	NR	NR	0
LUST		0.5	0	0	7	NR	NR	7
LUST TRUST		0.5	0	0	5	NR	NR	5
UST		0.25	0	0	NR	NR	NR	0
LAST		0.5	0	0	0	NR	NR	0
AST		0.25	0	0	NR	NR	NR	0
INST CONTROL		0.5	0	0	2	NR	NR	2
VCP		0.5	0	0	0	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
DEBRIS		0.5	0	0	0	NR	NR	0
IMD		0.5	0	0	1	NR	NR	1
HSDS		1	0	0	0	0	NR	0
OLI		0.5	0	0	0	NR	NR	0
LCID		0.5	0	0	0	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0

Adjoining and Nearby Properties	
Site Name:	CHEVRON CONSTRUCTION CORP
Databases:	EDR Hist Auto
Address:	200 WATERSIDE DR
Distance (Feet):	614

Direction:	East-Northeast
Elevation:	Lower
Comments:	This site has been improperly identified and is believed to not actually exist here.

Site Name:	RESNICK PROPERTY, JARED
Databases:	LUST, LUST TRUST
Address:	904 HILLSBOROUGH ROAD
Distance (Feet):	1738
Direction:	Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	RESNICK PROPERTY, JARED
Databases:	IMD
Address:	904 HILLSBOROUGH ROAD
Distance (Feet):	1738
Direction:	Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	CLARENCE & MARGY MCFARLING UST
Databases:	LUST, INST CONTROL
Address:	703 HILLSBOROUGH ROAD
Distance (Feet):	1883
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	HARWARD PROPERTY (SHANNON)
Databases:	LUST, LUST TRUST
Address:	1802 N. GREENSBORO STREET
Distance (Feet):	1923
Direction:	South
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	CHEEK RESIDENTIAL OIL SPILL
Databases:	LUST, LUST TRUST
Address:	100-B MILTON DR
Distance (Feet):	2271
Direction:	South-Southeast
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	BROWNING PROPERTY
Databases:	LUST, LUST TRUST
Address:	105 SIMPSON STREET
Distance (Feet):	2338
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	PHILIP EASLER RESIDENCE
Databases:	LUST, ASBESTOS
Address:	103 PHIPPS ST
Distance (Feet):	2557
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

Site Name:	REDFOOT PROPERTY, RICHARD
Databases:	LUST TRUST, LUST, INST CONTROL
Address:	105 PHIPPS STREET
Distance (Feet):	2573
Direction:	South-Southwest
Elevation:	Lower
Comments:	This site is not considered a REC of the subject property based in the type of reported incident and distance.

6.3.1 Regulatory File Review

Pursuant to Section 8.2.3.1 of the ASTM E1527-21 Standard, pertinent regulatory files and/or records associated with listings identified within the subject property or adjoining properties should be reviewed. The purpose of the regulatory file review is to obtain sufficient information to assist the environmental professional in determining if a recognized environmental condition, historical recognized environmental condition, controlled recognized environmental condition, or a de minimis condition exists at the subject property in connection with the listing.

The subject property and adjoining properties were not flagged within the regulatory records search of ASTM standard environmental record sources. Therefore, no Regulatory File Review was conducted for this Phase I ESA.

6.4 Additional Environmental Record Resources

In addition to the ASTM-required Standard Environmental Record Sources, Summit reviewed additional federal, state, local, and proprietary databases provided by EDR. No incidents, sites, or facilities were flagged within the additional environmental record resources searched. A complete list and description of additional environmental record resources searched can be found in Appendix D of this report.

6.5 Vapor Encroachment Evaluation

For the purposes of the ASTM E1527-21 Standard, "migrate" and "migration" refers to the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface. Vapor migration in the subsurface is described in ASTM E2600 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. By including this explicit reference to vapor migration in the subsurface, the ASTM E1527-21 Standard clarifies and reinforces the need to address potential vapor migration issues, which is essentially a Tier 1 screening under the ASTM E2600 Standard.

The ASTM E2600 Standard defines default values for plume length using extensive research on both volatile chemical plumes (such as chlorinated solvent plumes from dry cleaners) and volatile petroleum hydrocarbon plumes from leaking Underground Storage Tank (UST) sites. These default values are used to form an Area of Concern (AOC) around the subject property that is used by the EP to help identify which off-site issues may pose a risk for contaminant migration.

In order to be conservative, the plume length selected to form the default value for the AOC was based upon the 90th percentile distance of typical migration as well as additional footage for expected vapor migration through a reasonably permeable soil. The AOC is smaller for petroleum hydrocarbons because they are known to undergo significant biodegradation in the presence of oxygen. If groundwater flow direction is known or can be inferred, then the AOC can be reduced significantly in the down-gradient and cross-gradient directions, and a default plume width can be inferred.

Summit maintained the default values recommended by the ASTM E2600 Standard when designating the AOC for the subject property. Based on the physical setting sources reviewed, the location of the AOC was determined by Summit to be generally southwest of the subject property. A detailed copy of the EDR Vapor Encroachment Screen conducted for the subject property can be found located in Appendix F. The following tables summarize the results of the vapor encroachment evaluation by listing the number of sites, incidents, and/or facilities located within the ASTM E2600 specified distances from the subject property:

Standard Environmental Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Federal NPL	0.333	0	0	0
Federal CERCLIS	0.333	0	0	0
Federal RCRA CORRACTS facilities list	0.333	0	0	0
Federal RCRA TSD facilities list	0.333	0	0	0
Federal RCRA generators list	property	0	0	0
Federal institutional controls / engineering controls registries	0.333	0	0	0
Federal ERNS list	property	0	0	0
State and tribal - equivalent NPL	not searched	0	0	0
State and tribal - equivalent CERCLIS	0.333	0	0	0
State and tribal landfill / solid waste disposal	0.333	0	0	0
State and tribal leaking storage tank lists	0.333	0	0	0
State and tribal registered storage tank lists	property	0	0	0
State and tribal institutional control / engineering control registries	0.333	2	0	2
State and tribal voluntary cleanup sites	0.333	0	0	0
State and tribal Brownfield sites	0.333	0	0	0
Other Standard Environmental Records	0.333	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

Historical Use Records	Maximum Search Distance*	Property Total	Total within 1/10 mile from Property	Total between 1/10-1/3 mile from Property
Former manufactured Gas Plants	0.333	0	0	0
Historical Gas Stations	0.25	0	0	0
Historical Dry Cleaners	0.25	0	0	0

*Each category may include several separate databases, each having a different search distance. For each category, the table reports the maximum search distance applied.

6.6 Environmental Liens and Activity/Use Limitations

Unless added by a change in the scope of work to be performed by the EP, the ASTM E1527-21 Standard does not impose on the EP the responsibility to undertake a review of recorded land title records or judicial records (where applicable) for environmental liens and activity & use limitations (AULs). The process of searching and evaluating land title records or judicial records ordinarily requires specialized expertise provided by title insurance companies or title search professionals. As described in Section 6.2 of the ASTM Standard, reviewing land title records or judicial records for AULs and environmental liens is a User responsibility. Unless notified otherwise, we assume that Town of Carrboro. is evaluating this information outside the scope of this report and has reported the accurate results of this work in their response to the User Questionnaire.

In some cases, in lieu of or in addition to being filed in the land title records or judicial records, AULs may be found in separate Federal, State, & Tribal Engineering Control (EC) and Institutional Control (IC) databases. These databases were searched along with the other ASTM-required Standard Environmental Record Sources listed in Section 6.3. The subject property was not flagged within the EC or IC databases provided by EDR.

7.0 SITE RECONNAISSANCE

The purpose of the site reconnaissance is to collect information and make observations to help identify RECs in connection with the subject property. The reconnaissance typically consists of observations of the subject property from the site boundaries and selected interior portions of the site, as well as a cursory inspection of the adjoining properties. The EP observes the subject property for signs of past or present handling, storage, or releases of hazardous substances or petroleum products. These observations include an inspection of surface conditions at the site, including, but not limited to, stressed vegetation, stained pavement, strong odors, or unusual soil discoloration that could indicate a past or ongoing release.

The adjoining property reconnaissance consists of observations of the surrounding properties from the site boundaries and accessible public right-of-way. Photographs of the subject property and, if appropriate, adjoining properties are taken by the EP to document the site as well as any potential environmental risks that may be present. Photographs were taken at the time of the site reconnaissance for this Phase I ESA can be found in the following sections and are completely documented in Appendix B.

7.1 Methodology and Limiting Conditions

Observations of the subject property and adjoining properties were primarily made from a walking reconnaissance of the entire area of the site. The adjoining properties were visually observed from portions of the subject property's perimeter.

The site reconnaissance occurred on April 29, 2024. Leaf litter and vegetation cover obscured the ground surface of the subject property during the site reconnaissance, however this is not considered to be a significant data gap.

7.2 General Subject Property Setting

The subject property consists of approximately 6.33 acres and consists of undeveloped wooded areas. The ground surface at the site slopes gently downward to the northeast. The subject property is accessed via the shoulder of Pathway Drive.

7.3 Site Visit Findings

The following table summarizes site observations and information obtained from interviews. Affirmative or Negative responses are designated by an "X" in the following table. Affirmative responses are discussed in more detail in the sections following the table. The following items or features below are limited to what was observed or identified within the boundaries of the subject property.

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substances		X
Petroleum Products		X
Underground Storage Tanks (USTs)		X
Aboveground Storage Tanks (ASTs)		X
Strong, Pungent, or Noxious Odors		X
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		X
Drums, Totes, and Intermediate Bulk Containers	X	
Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses		X

Condition, Feature or Operation Observed or Identified?	Yes	No
Unidentified Substance Containers		X
PCB-Containing Items		X
Stains or Corrosion on Floors, Walls, or Ceilings		X
Drains and Sumps	X	
Pits, Ponds, or Lagoons		X
Solid Waste		X
Stained Soil or Pavement		X
Stressed Vegetation		X
Wells		X
Other		X

7.3.1 Drums, Totes, and Intermediate Bulk Containers

Evidence of other suspect containers was observed on the subject property during the site reconnaissance. Details of the other suspect containers are provided below.

A compost bin was observed on the northern half of the site property. A trash can was also observed on the southern half of the site property behind the multi-family residential home.

ASSOCIATED PHOTOGRAPHS



Trash can on subject property



Compost bin on subject property

7.3.2 Drains and Sumps

Discharge features (floor drains, catch basins, oil/water separators, etc.) were observed on the subject property during the site reconnaissance.

Two exterior gutter runoff pipes were observed. One on the south side of the subject property near the multi-family residential housing and one on the north side of the property.

Water/Wastewater
During the site reconnaissance an ephemeral stream and a sanitary sewer were observed on the property. The stream generally flows from southwest to northeast. The stream did not have any water in it at the time the site was walked. The sanitary sewer ran from the south to the north where it intersected beside the stream and begin running parallel to the stream. It is assumed that the sanitary sewer slows the same direction as the stream.

ASSOCIATED PHOTOGRAPHS



Gutter run off pipe on south side of property



Gutter run off pipe on north side of property



Ephemoral stream



Sanitary sewer easement parrelling the stream



South to north running sanitary sewer easement

8.0 INTERVIEWS

The objective of the interview portion of the Phase I ESA is for the EP to obtain information concerning past and current uses of the subject property from persons who may have specialized knowledge of the property. This information is obtained from interviews that can be conducted with present owners, past owners, operators, managers, or occupants of the subject property. The interviews can be held in various mediums such as in-person, by telephone, or by email. The ultimate goal is to identify past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property.

Additionally, interviews with state or local government officials should be conducted. Some examples of state or local government officials include local fire departments, state or local health agencies, state or local agencies responsible for hazardous waste disposal, and local agencies responsible for the issuance of building permits. These interviews are typically conducted to check for records of emergency responses to fires, hazardous materials spills, or other environmental concerns at the subject property.

Interviews	
Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe and Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the Standard Interview Form to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was not aware of any past or present uses of the property that may indicate an increased likelihood of RECs in connection with the subject property. A copy of the Standard Interview Form can be found located in Appendix H.

Role:	Local Gov't Official
Title:	Deputy Chief / Fire Marshal
Name:	Carl Freeman
Company:	Carrboro Fire Rescue Department
Method:	Written Response
Comments:	Summit sent an email to Mr. Freeman on April 18, 2024, inquiring as to whether his department had any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties. Mr. Freeman responded to this email on May 7, 2024, indicating that he did not have any records of the previously mentioned issues on the property. A copy of Summit's correspondence with Mr. Freeman can be found in Appendix H.

Role:	Owner
Title:	Development Review Administrator, Environmental Sustainability Coordinator
Name:	Martin Roupe, Laura Janway
Company:	Town of Carrboro
Method:	Written Response
Comments:	The Town of Carrboro owns the property and Martin Roupe and Laura Janway were identified as being the most familiar with property. Summit sent out the ASTM E1527-21 User Questionnaire to the Town of Carrboro via email on April 5, 2024. The interview was completed and sent back on May 22, 2024. The property owner was unaware of any recognized environmental conditions at the property. A copy of the User Questionnaire can be found in Appendix H.

9.0 NON-SCOPE CONSIDERATIONS

ASTM guidelines identify non-scope issues which are beyond the scope of this practice. Non-scope issues have the potential to be business environmental risks. ASTM E1527- 21 defines a Business Environmental Risk (BER) as "a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice." Some of these non-scope issues include but are not limited to asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, and mold. Summit was not contracted to perform BER evaluations or any other services at the subject property.

It should be noted that Three Oaks Engineering, Inc. (Three Oaks) will be working as a sub-consultant to Summit on this project and will be performing wetland and stream delineations. Their work will be turned in at a different time and under a separate cover.

10.0 FINDINGS AND OPINIONS

The following section presents Summit's findings that have been identified in one or more sections of this report. Each finding is thoroughly described and evaluated in the paragraphs below. This evaluation includes a description of the logic and reasoning used by the EP to form a professional opinion of the environmental risk posed to the subject property by each finding.

1.) A sanitary sewer transects the property from west to east. Sanitary sewers have the ability to transport contaminants from off-site sources through the subject property when industrial facilities and petroleum product users improperly dispose of their waste into the sanitary sewer system. If these practices are occurring farther up the sanitary sewer system, and if the sewer is leaking on or near the subject property, the sewer can deposit those contaminants onto the subject property for long periods of time. However, no evidence of the sewer leaking was observed during the site reconnaissance. Additionally, the area surrounding the subject property is mostly residential in nature, and therefore it is unlikely that significant industrial or petroleum contaminants would be present in the sewer system in this area. Therefore, Summit does not consider the sanitary sewer to be a REC or de minimis condition of the subject property. Only a finding that's worth noting, evaluating, and discussing in this section of the report.

11.0 CONCLUSIONS

The professional opinions formed for each finding allow for an overall conclusion of the environmental condition of the subject property and potential risks associated with any findings. The following statement is Summit's conclusion that has been reached upon our completion of the Phase I ESA of the subject property.

Summit Design & Engineering Services, PLLC has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-21 of the subject property (Pathway Drive. Any exceptions to, or deletions from, this practice are described in Sections 3.4 & 3.5 of this report. This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

12.0 RECOMMENDATIONS

Recommendations are not required by the ASTM E1527-21 Practice. A User should consider whether recommendations for additional inquiries or other services are desired. Recommendations are an additional service that may be used in the User's analysis of LLPs or BERs.

The EP should provide an opinion regarding additional appropriate investigation, if any, to detect the presence of hazardous substances or petroleum products. A Phase I ESA, which includes such an opinion by the EP, does not render the assessment incomplete. This opinion is not intended to constitute a requirement that the EP include any recommendations for Phase II or other assessment activities.

Based on the scope of services, limitations, findings, and conclusions of this Phase I ESA, it is the opinion of Summit Design and Engineering Services that additional environmental assessment of the subject property is not warranted.

13.0 REFERENCES

The following sources were consulted while putting together this Phase I ESA report template and/or this specific Phase I ESA Report:

- Horton J. Wright., and Victor A. Zullo. *The Geology of the Carolinas: Carolina Geological Society Fiftieth Anniversary Volume*. University of Tennessee Press, 1991.

- Fitts, Charles R. *Groundwater Science*. Academic Press, 2002

- Brown, Philip M., et al. "Geologic Map of North Carolina, 1985." Geologic Map of NorthCarolina,1985, The Survey, 1985

- Buonicore, Anthony J. *Methodology for Identifying the Area of Concern Around a PropertyPotentially Impacted by Vapor Migration from Nearby Contaminated Sources*. AWMA, 2011, pp. 1-7

- Interstate Technology & Regulatory Council (ITRC). 2018. "Light Non-Aqueous Phase Liquid(LNAPL)Site Management: LCSM Evolution, Decision Process, and Remedial Technologies." LNAPL -3.Washington, D.C. https://lnapl-3.itrcweb.org

- United States, Congress "An Introduction to Characterizing Sites Contaminated with DNAPLs." Interstate Technology and Regulatory Council, 2003.

- Geyer, Wayne B. *Handbook of Storage Tank Systems: Codes, Regulations, and Designs.* Dekker,2000.

- "Propane." Wikipedia, Wikimedia Foundation, 6 Dec. 2020 en.wikipedia.org/wiki/Propane.http://dpstudioenvironmental.com/uploads/3/4/6/4/34643401/dpstudio_is_it_a_rec_issue_no_4_the_abcs_of_pcbs_dec_2016.pdf

- https://www.epa.gov/privatewells/learn-about-private-water-wells

The table below summarizes the sources provided by EDR and reviewed for this Phase I ESA:

References		
Source Reviewed	**Date(s)**	**Source Details**
EDR Aerial Photo Decade Package (Inquiry Number 7621920.8S) Ship Date: April 12th, 2024	1938, 1950, 1955, 1961, 1964, 1973, 1975, 1983, 1993, 1999, 2006, 2009, 2012, 2016, 2020	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR City Directory Abstract (Inquiry Number 7621920.5S) Ship Date: April 16th, 2024	1965, 1968, 1972, 1977, 1982, 1987, 1992, 1995, 2000, 2005, 2010, 2014, 2017, 2020	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Historical Topo Map (Inquiry Number 7621920.4S) Ship Date: April 11th, 2024	1946, 1947, 1978, 1980, 1981, 1993, 2002, 2013, 2016, 2019, 2022	EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Sanborn Map Search/Print (Inquiry Number 7621920.3S) Ship Date: April 11th, 2024		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.
EDR Radius Map Report (Inquiry Number 7621920.2S) Ship Date: April 12th, 2024		EDR, 6 Armstrong Road, Shelton, CT 06484, (800) 352-0050.

Appendix A:

Figures

Image Provided By ESRI Street Map

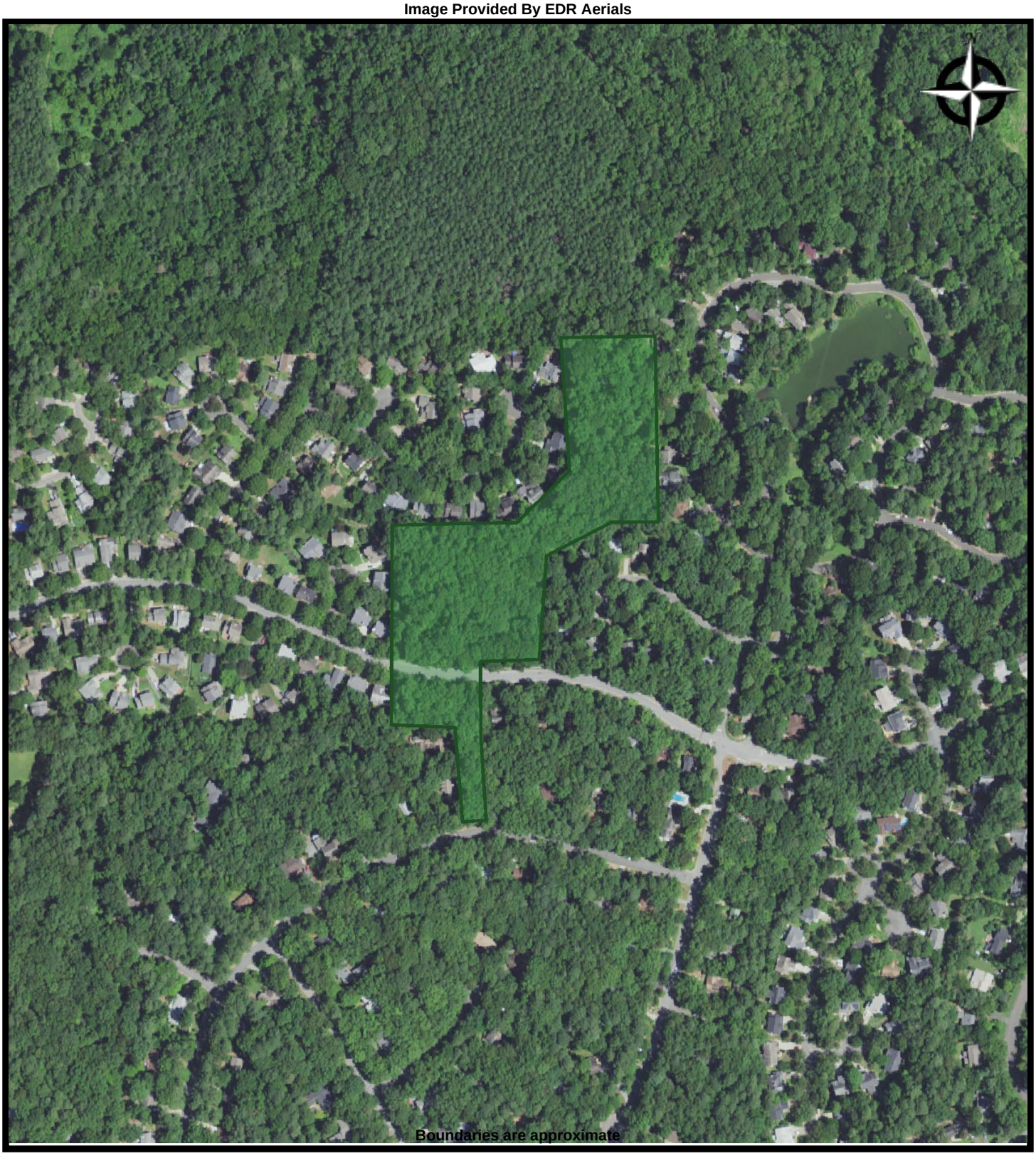


SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE I - SUBJECT PROPERTY
CARRBORO DUE DILIGENCE - PATHWAY DRIVE
1814 & 1816 PATHWAY DR
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Katie Haven
DATE: 5/31/2024
PROJ. #: 23-0350.204

Image Provided By EDR Aerials



SUMMIT
DESIGN AND ENGINEERING SERVICES

FIGURE II - SUBJECT AND ADJOINING PROPERTIES
CARRBORO DUE DILIGENCE - PATHWAY DRIVE
1814 & 1816 PATHWAY DR
Carrboro, North Carolina 27510

PREPARED FOR: Anne-Marie Vanaman
PROJ. MGR: Aaron Gross
DRAWN BY: Katie Haven
DATE: 5/31/2024
PROJ. #: 23-0350.204

Appendix B:

Photographs



1: Trash can on subject property



2: Compost bin on subject property



3: Ephemoral stream



4: Sanitary sewer easement parrelling the stream



5: South to north running sanitary sewer easement



6: Gutter run off pipe on south side of property



7: Gutter run off pipe on north side of property

Appendix C:

Historical Research

Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.3

April 11, 2024

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/11/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.3

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Summit Design & Engineering Services were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 0F8F-45CF-827A

PO # NA

Project 23-0350.204

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 0F8F-45CF-827A

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.4

April 11, 2024

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/11/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.4

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Summit Design & Engineering Services were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA
Project: 23-0350.204

Coordinates:

Latitude:	35.928148 35° 55' 41" North
Longitude:	-79.084454 -79° 5' 4" West
UTM Zone:	Zone 17 North
UTM X Meters:	672810.19
UTM Y Meters:	3977674.46
Elevation:	494.79' above sea level

Maps Provided:

2022	1978
2019	1947
2016	1946
2013	
2002	
1993	
1981	
1980	

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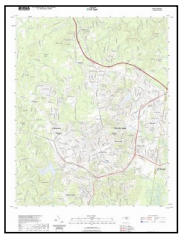
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Topo Sheet Key

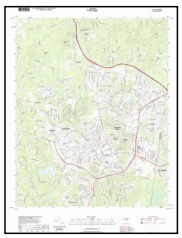
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2022 Source Sheets



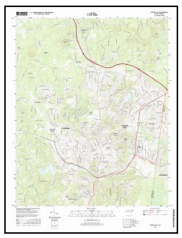
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2022
7.5-minute, 24000

2019 Source Sheets



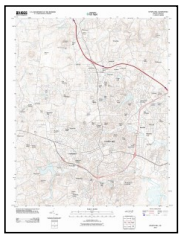
Chapel Hill
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7.5-minute, 24000

2016 Source Sheets



Chapel Hill
2016
7.5-minute, 24000

2013 Source Sheets



Chapel Hill
2013
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2002 Source Sheets



CHAPEL HILL
2002
7.5-minute, 24000

1993 Source Sheets



Chapel Hill
1993
7.5-minute, 24000
Aerial Photo Revised 1993

1981 Source Sheets



Chapel Hill
1981
7.5-minute, 24000
Aerial Photo Revised 1980

1980 Source Sheets



Chapel Hill
1980
7.5-minute, 24000
Aerial Photo Revised 1980

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1978 Source Sheets



Chapel Hill
1978
7.5-minute, 24000
Aerial Photo Revised 1972

1947 Source Sheets



Chapel Hill
1947
7.5-minute, 31680

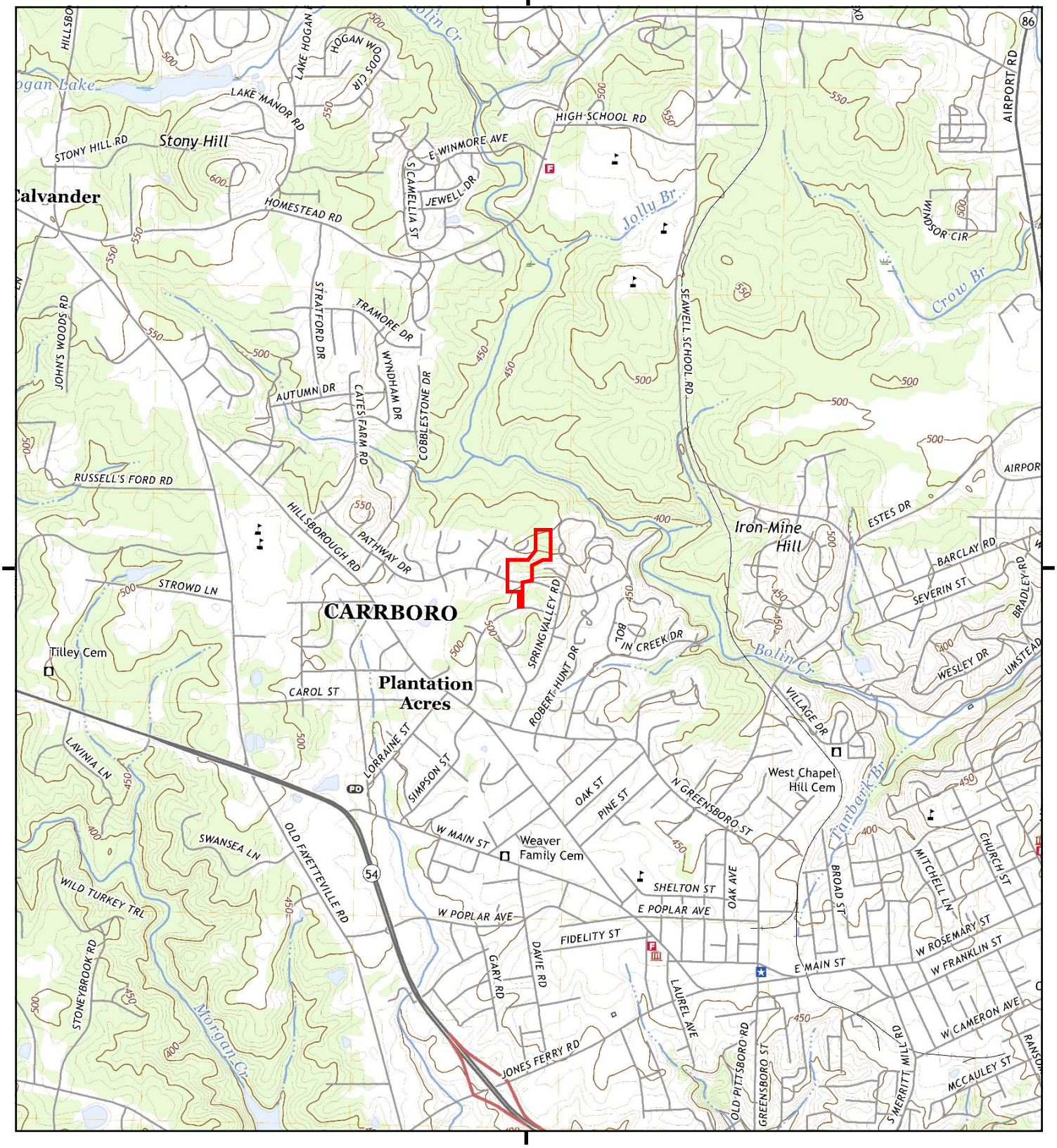
1946 Source Sheets



Chapel Hill
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7.5-minute, 24000

Historical Topo Map

2022



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W E
SW S SE

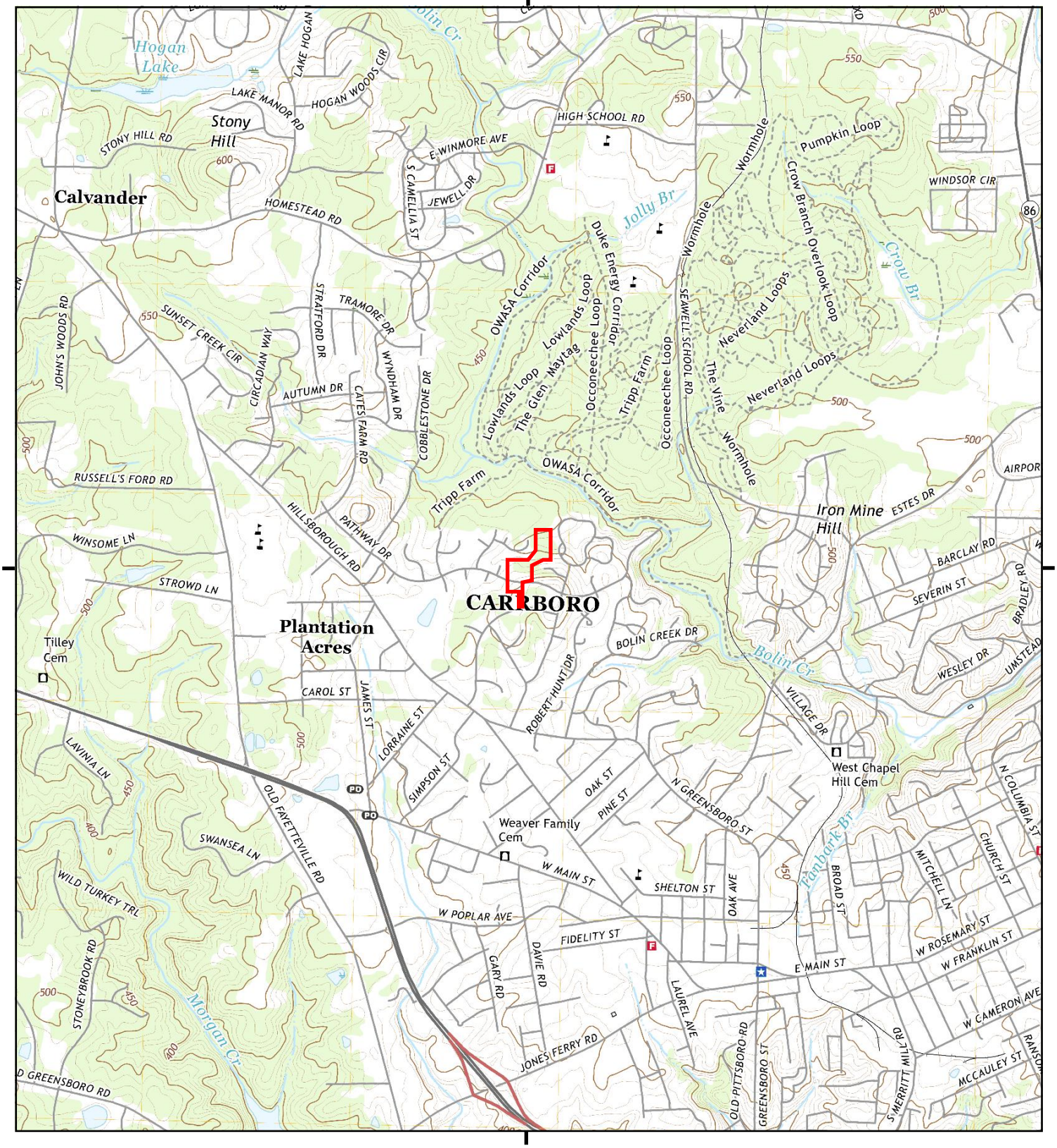
TP, Chapel Hill, 2022, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2019



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W E
SW S SE

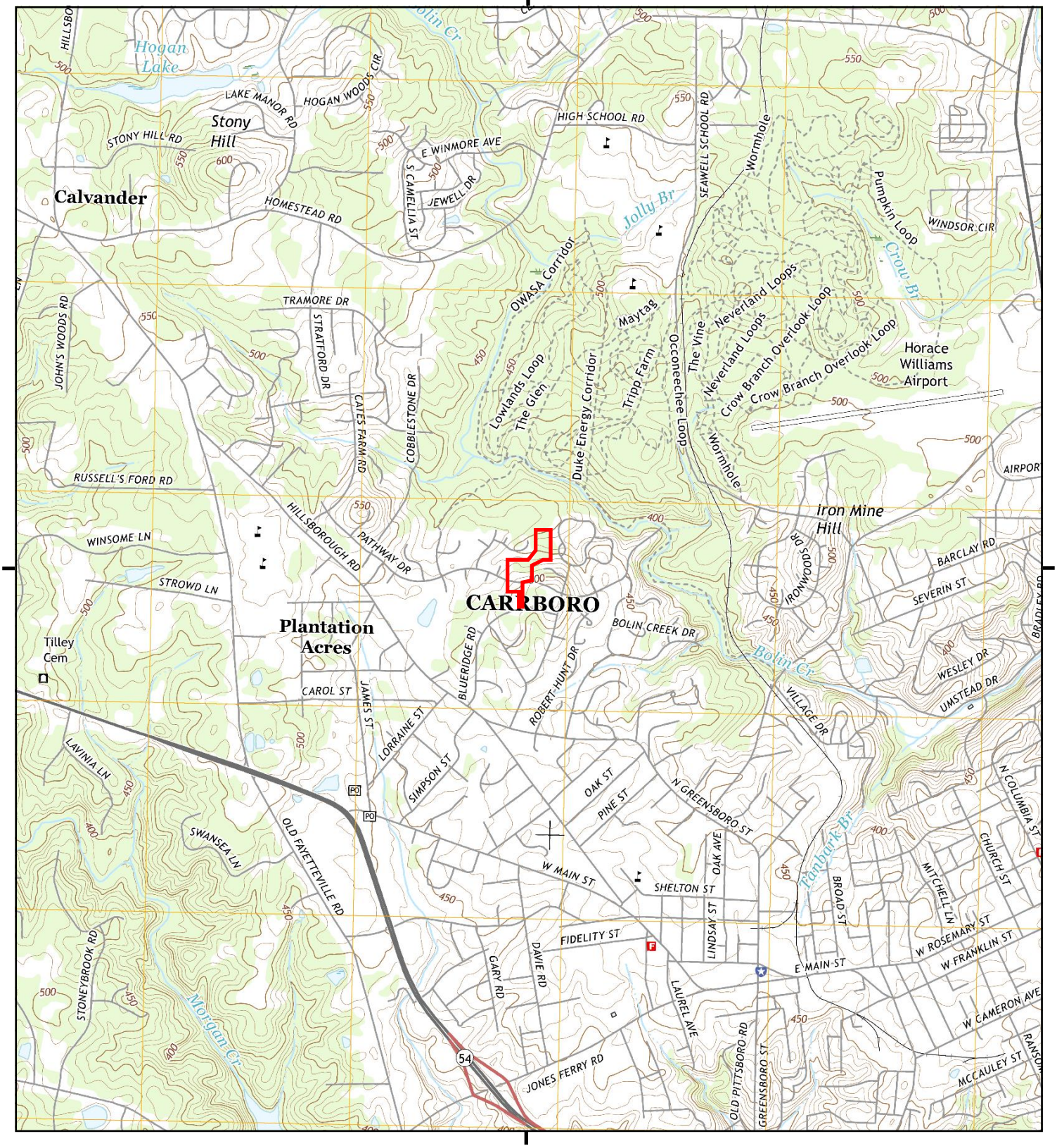
TP, Chapel Hill, 2019, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2016



This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

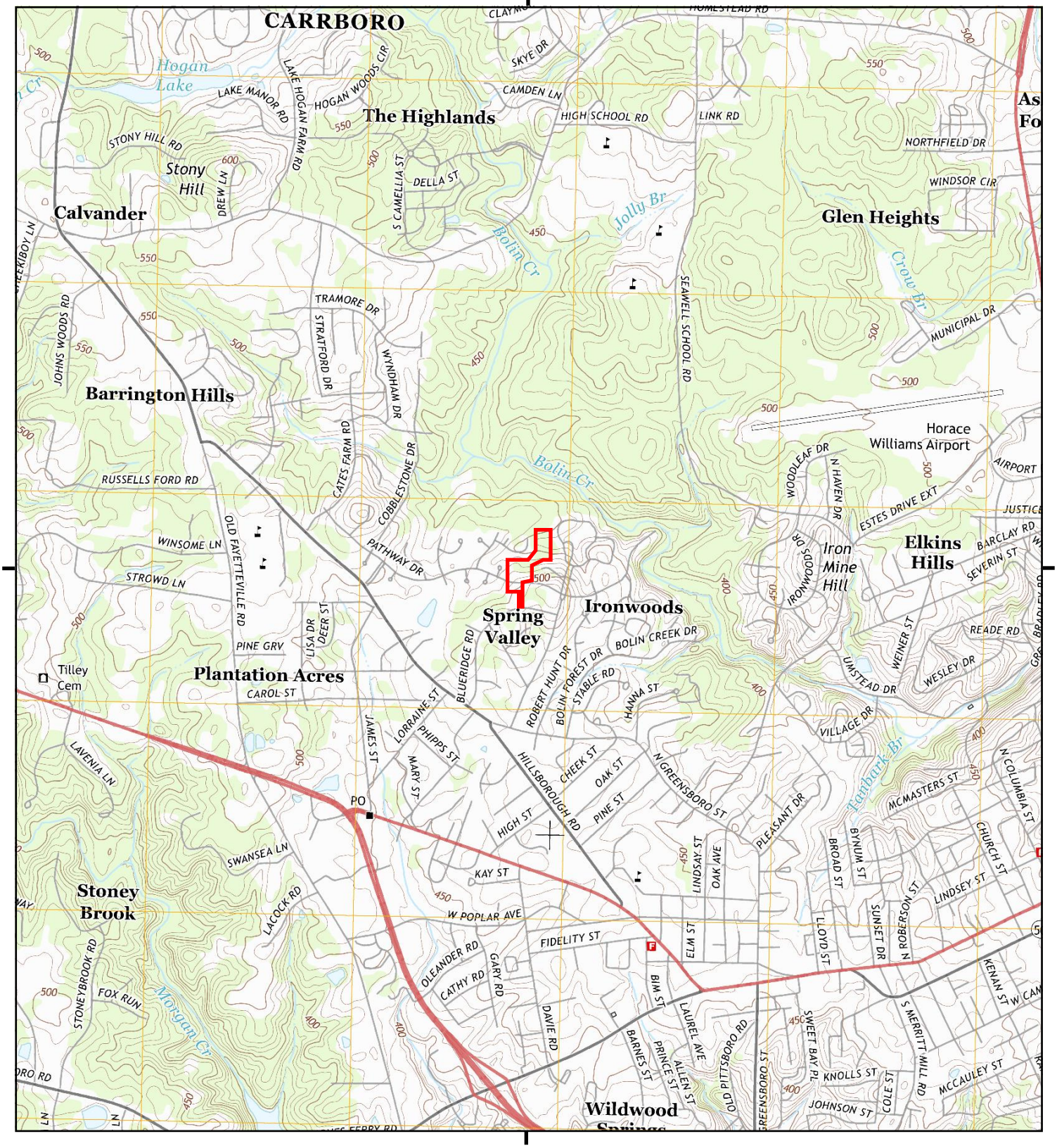
TP, Chapel Hill, 2016, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2013



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

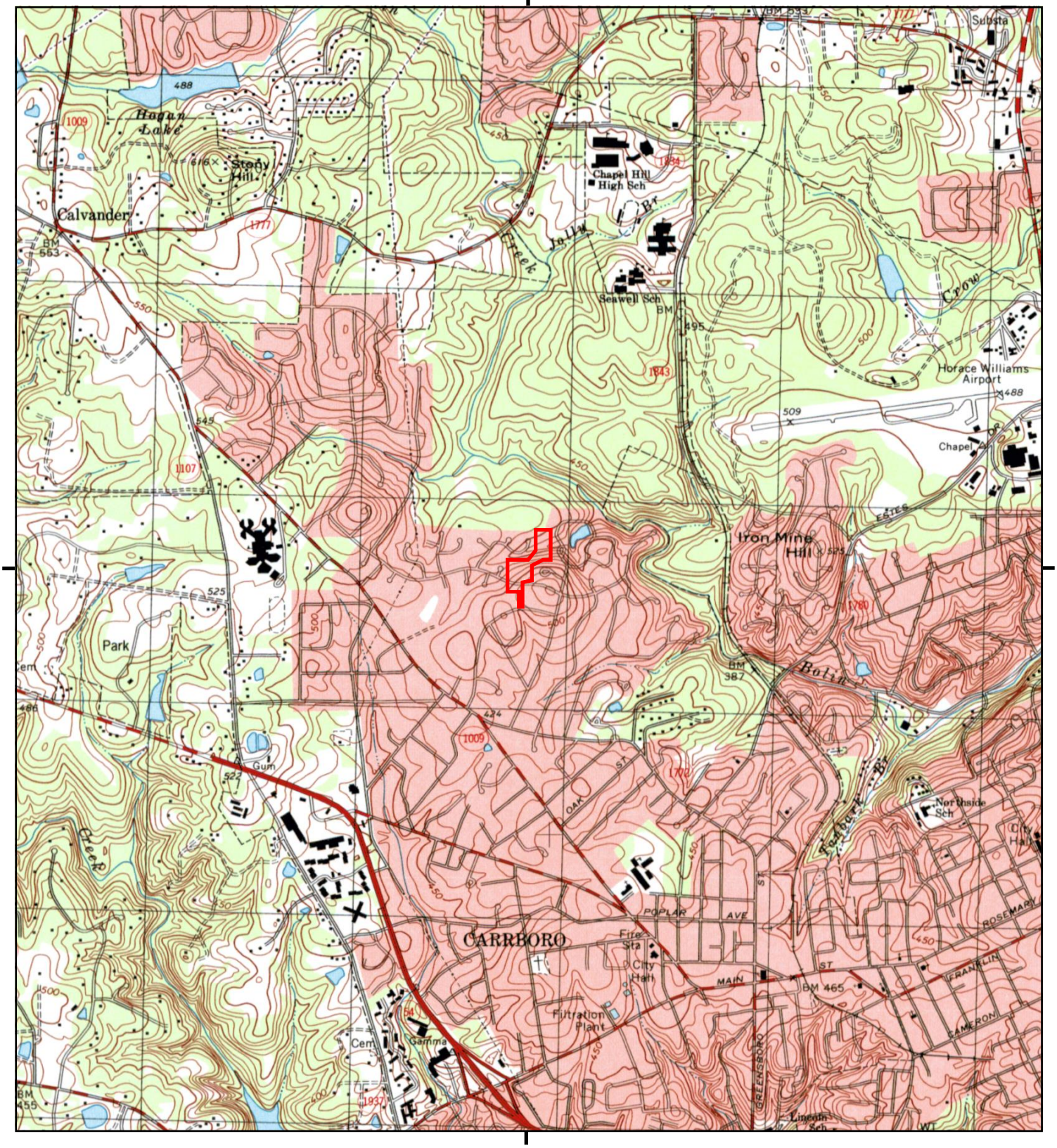
TP, Chapel Hill, 2013, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

2002



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

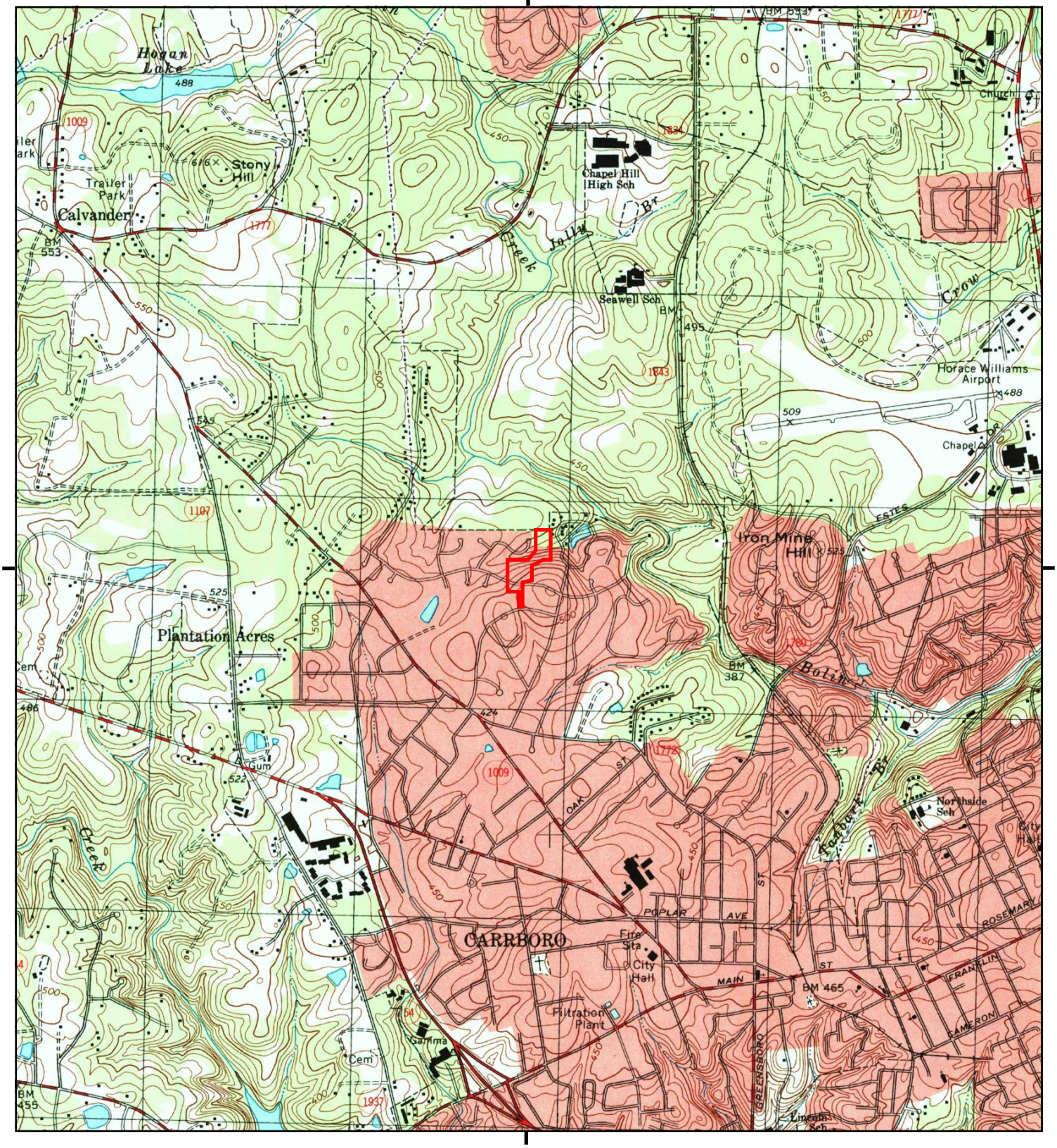
TP, CHAPEL HILL, 2002, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

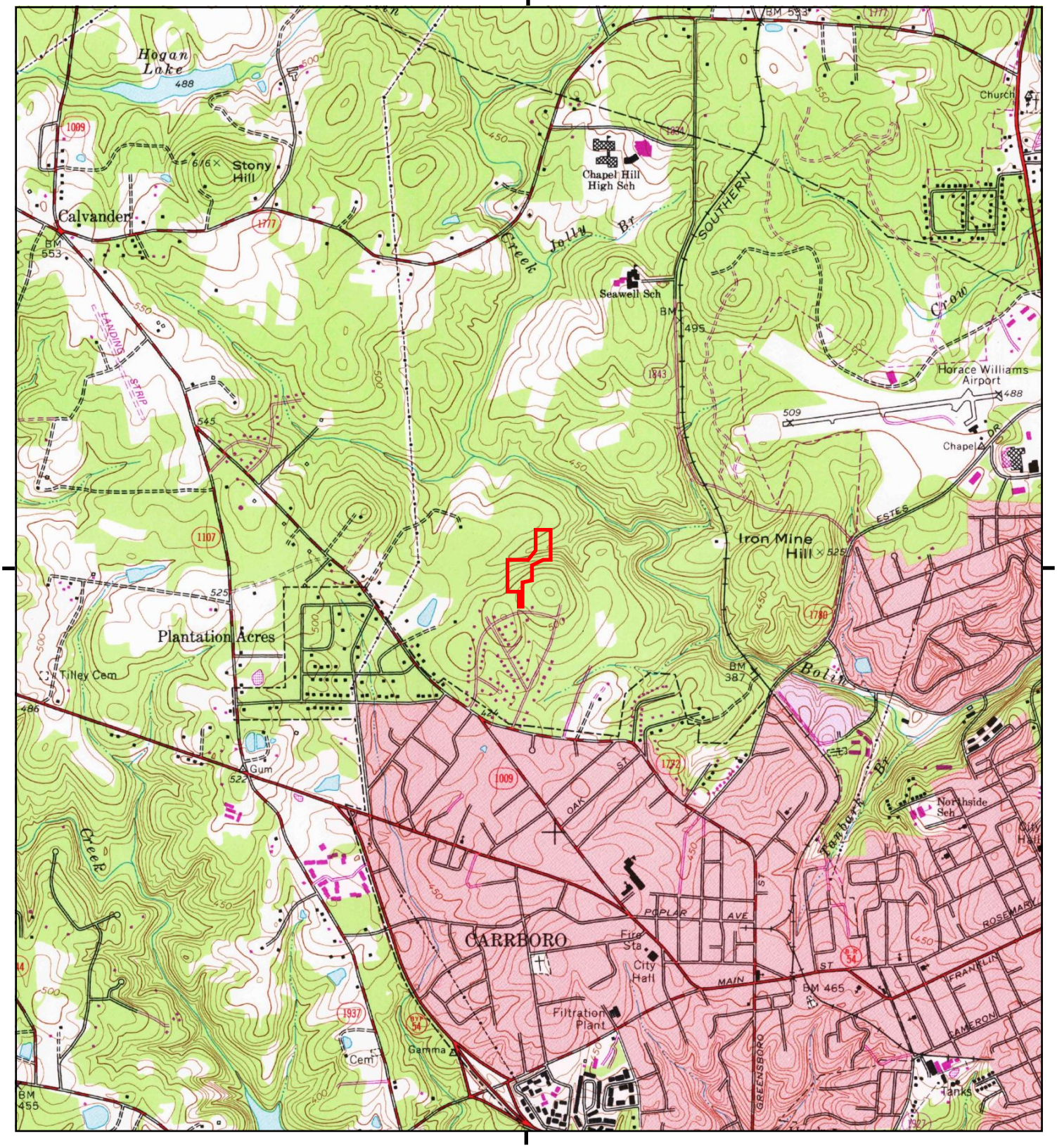
TP, Chapel Hill, 1993, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1981



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1981, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Historical Topo Map

1980



This report includes information from the following map sheet(s).

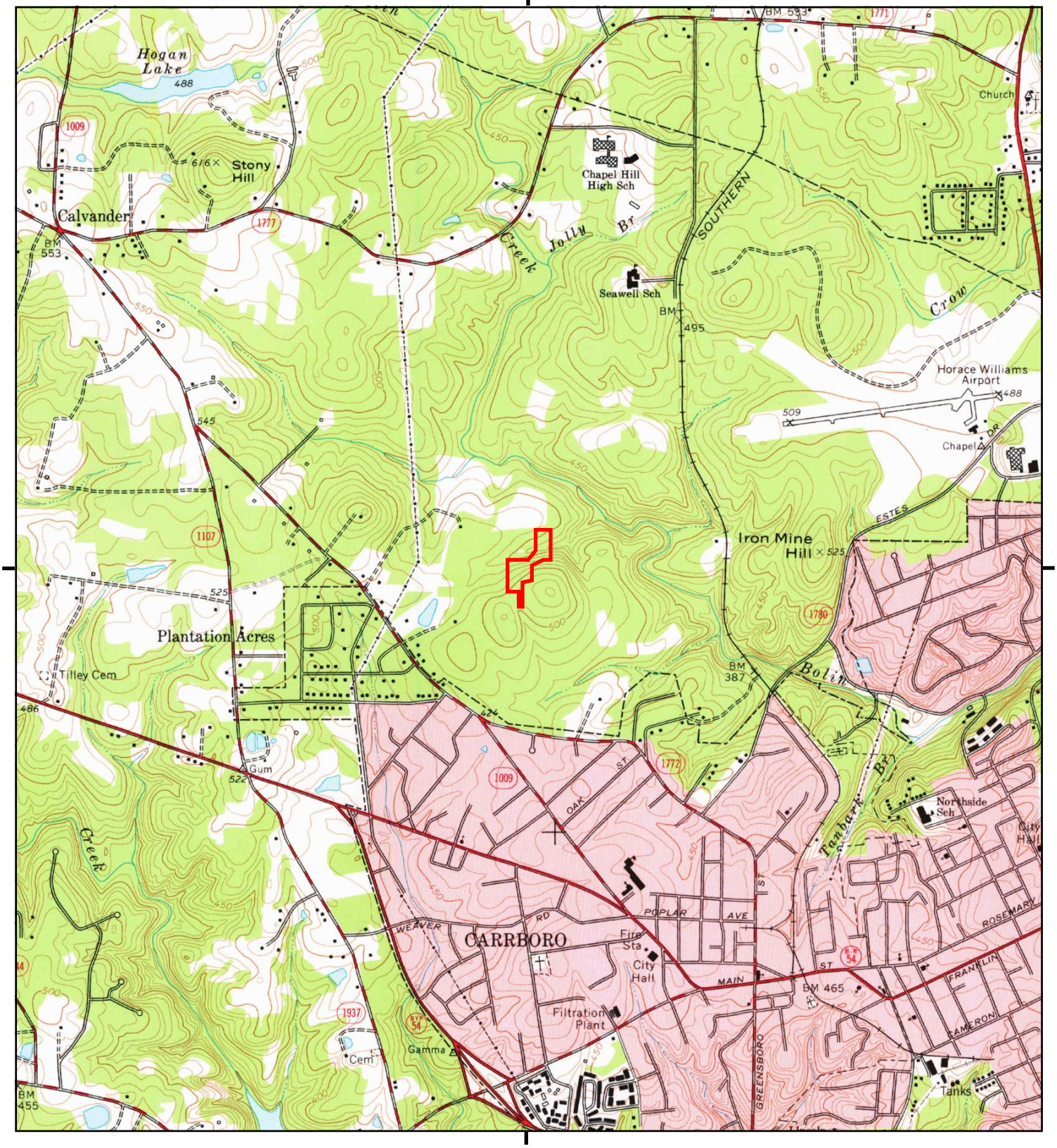
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1980, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

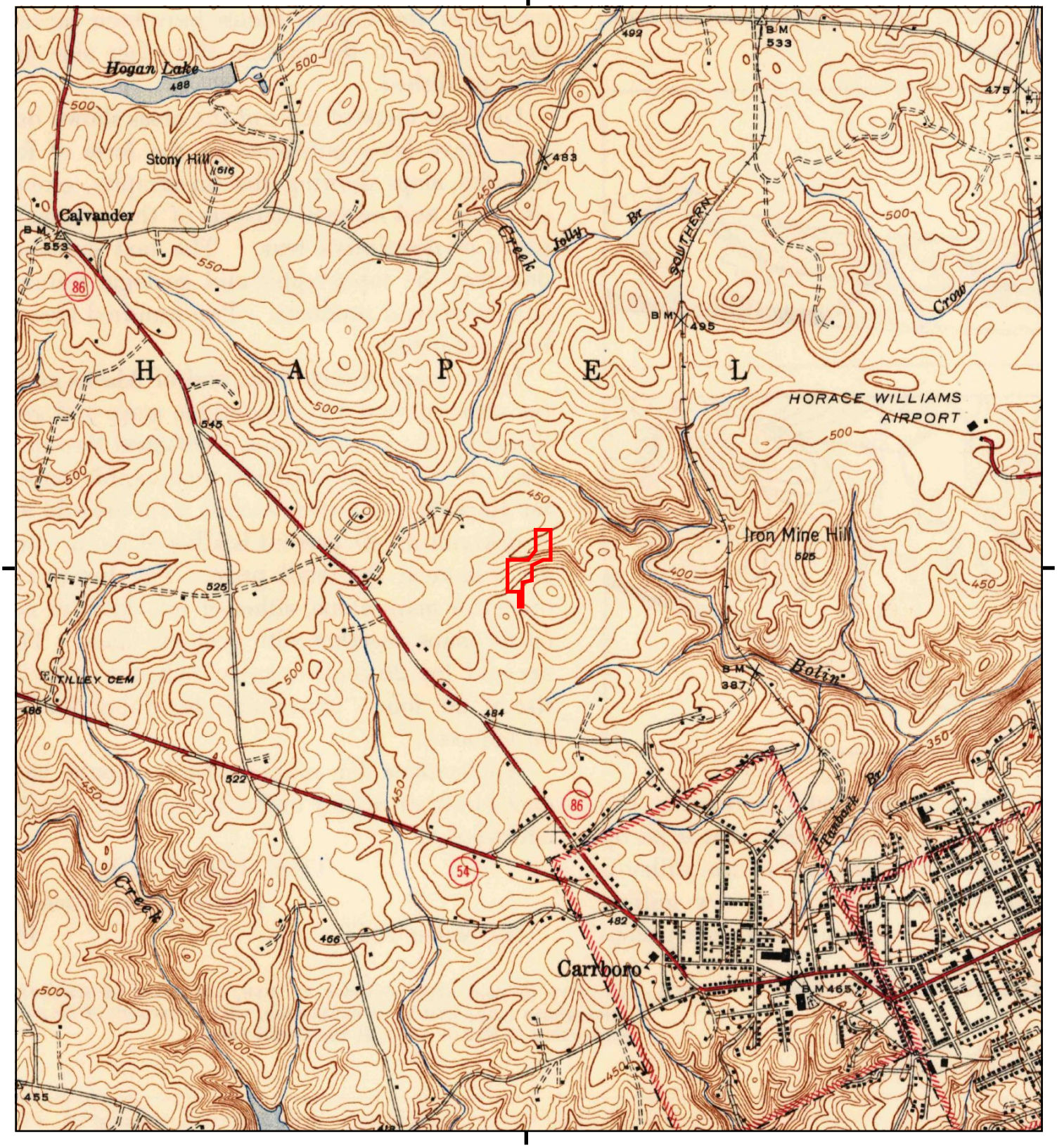
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1978, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

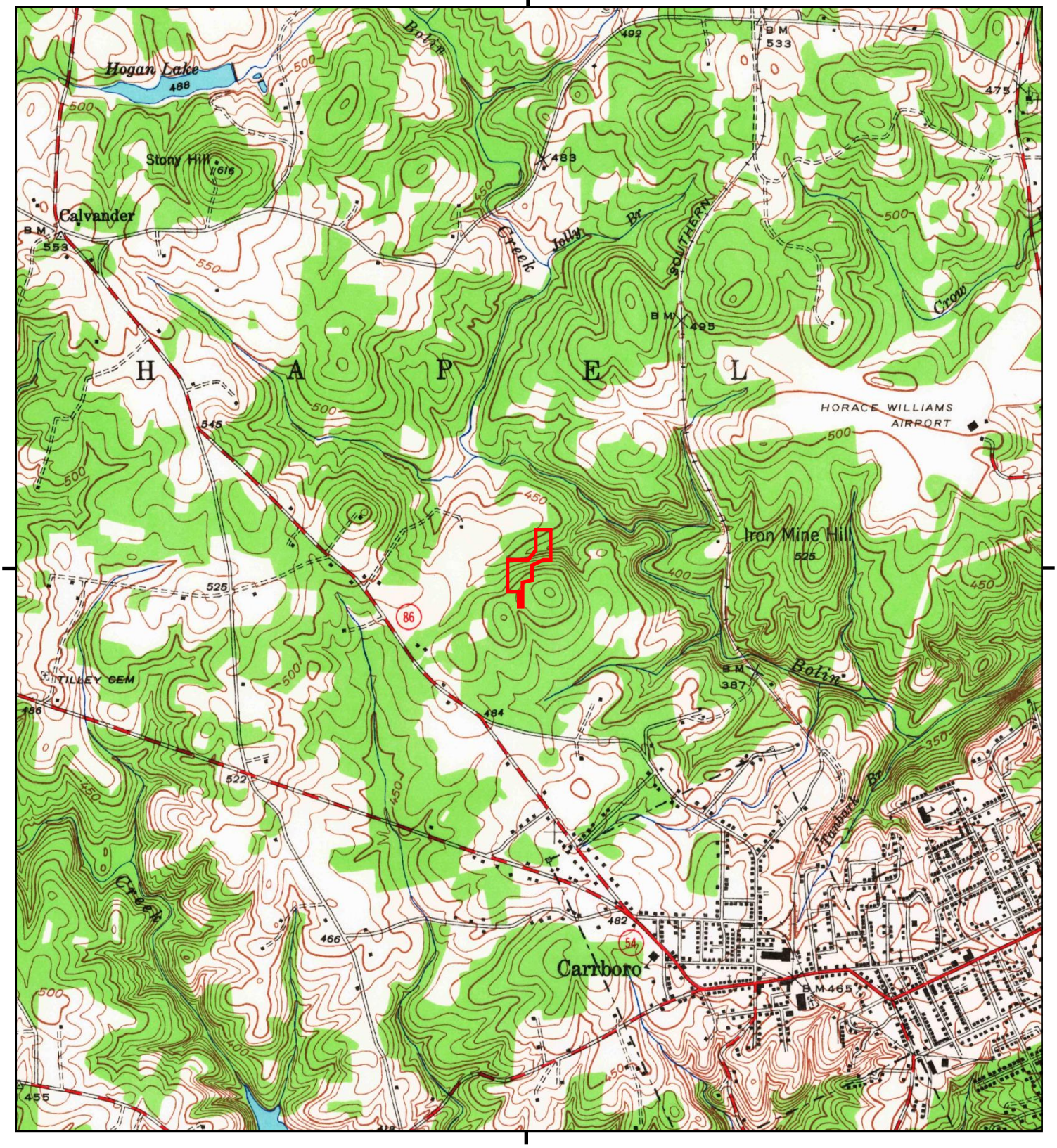
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1947, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Chapel Hill, 1946, 7.5-minute

SITE NAME: Pathway Drive
ADDRESS: 1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
CLIENT: Summit Design & Engineering Services

N

Pathway Drive

1814 & 1816 PATHWAY DR

CARRBORO, NC 27510

Inquiry Number: 7621920.8

April 12, 2024

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/12/24

Site Name:

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510
EDR Inquiry # 7621920.8

Client Name:

Summit Design & Engineering Services
504 Meadowland Drive
Hillsborough, NC 27278
Contact: Aaron Gross

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=500'	Acquisition Date: January 01, 1999	USGS/DOQQ
1993	1"=500'	Acquisition Date: February 23, 1993	USGS/DOQQ
1983	1"=500'	Flight Date: April 04, 1983	NHAP
1975	1"=500'	Flight Date: November 16, 1975	USDA
1973	1"=500'	Flight Date: February 24, 1973	USGS
1964	1"=500'	Flight Date: September 15, 1964	USGS
1961	1"=500'	Flight Date: August 17, 1961	USGS
1955	1"=500'	Flight Date: March 30, 1955	USDA
1950	1"=500'	Flight Date: November 18, 1950	USGS
1938	1"=500'	Flight Date: April 28, 1938	USGS

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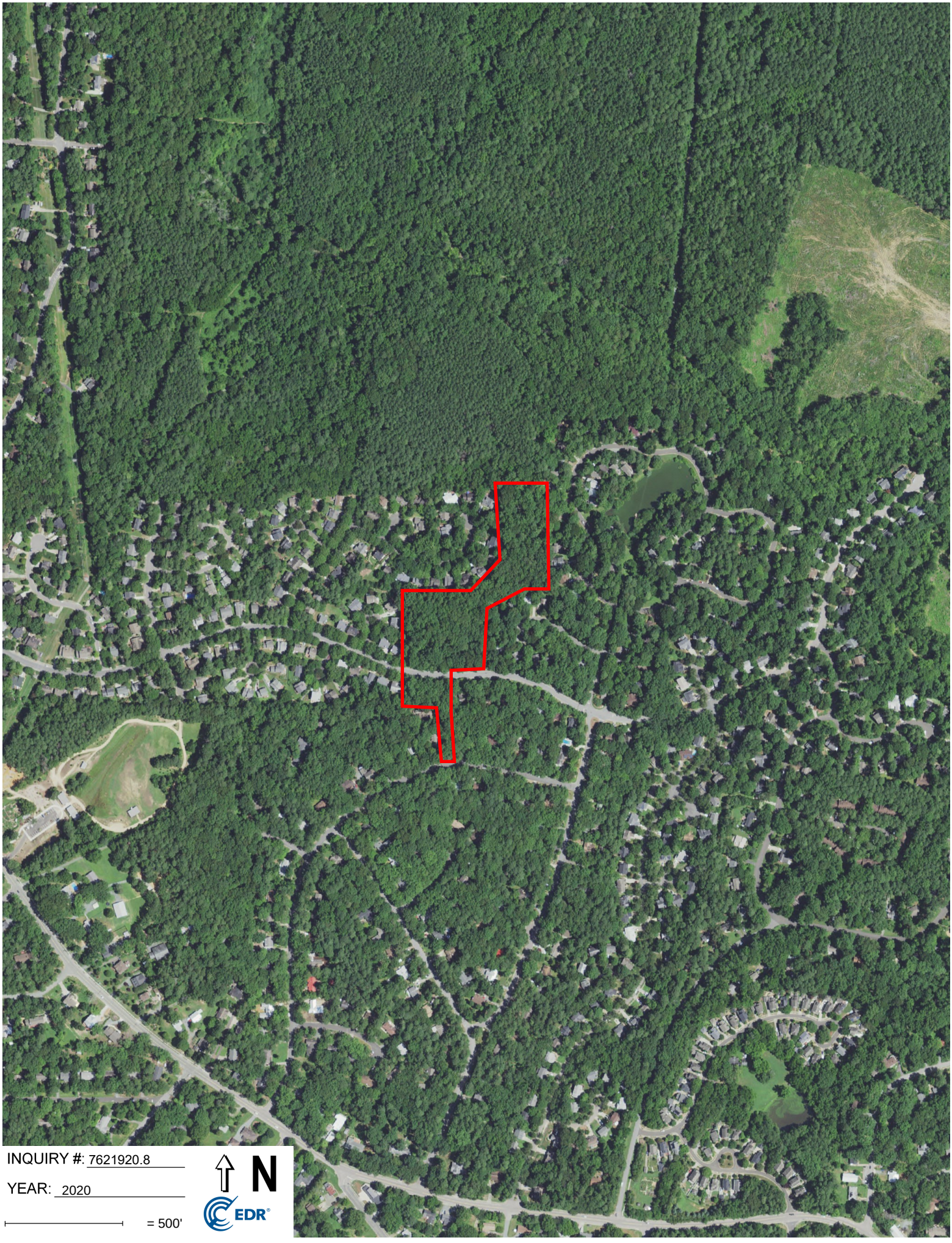
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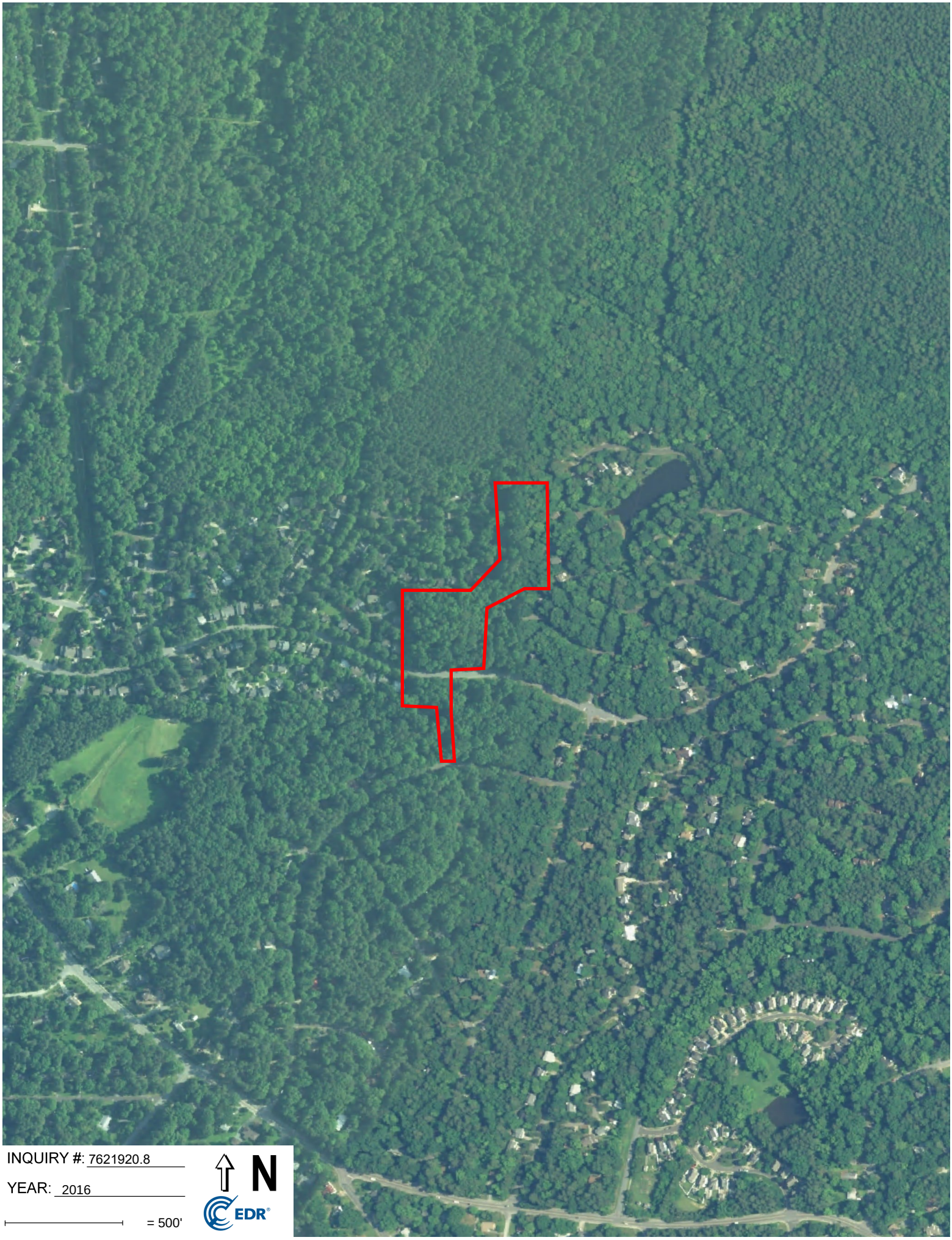
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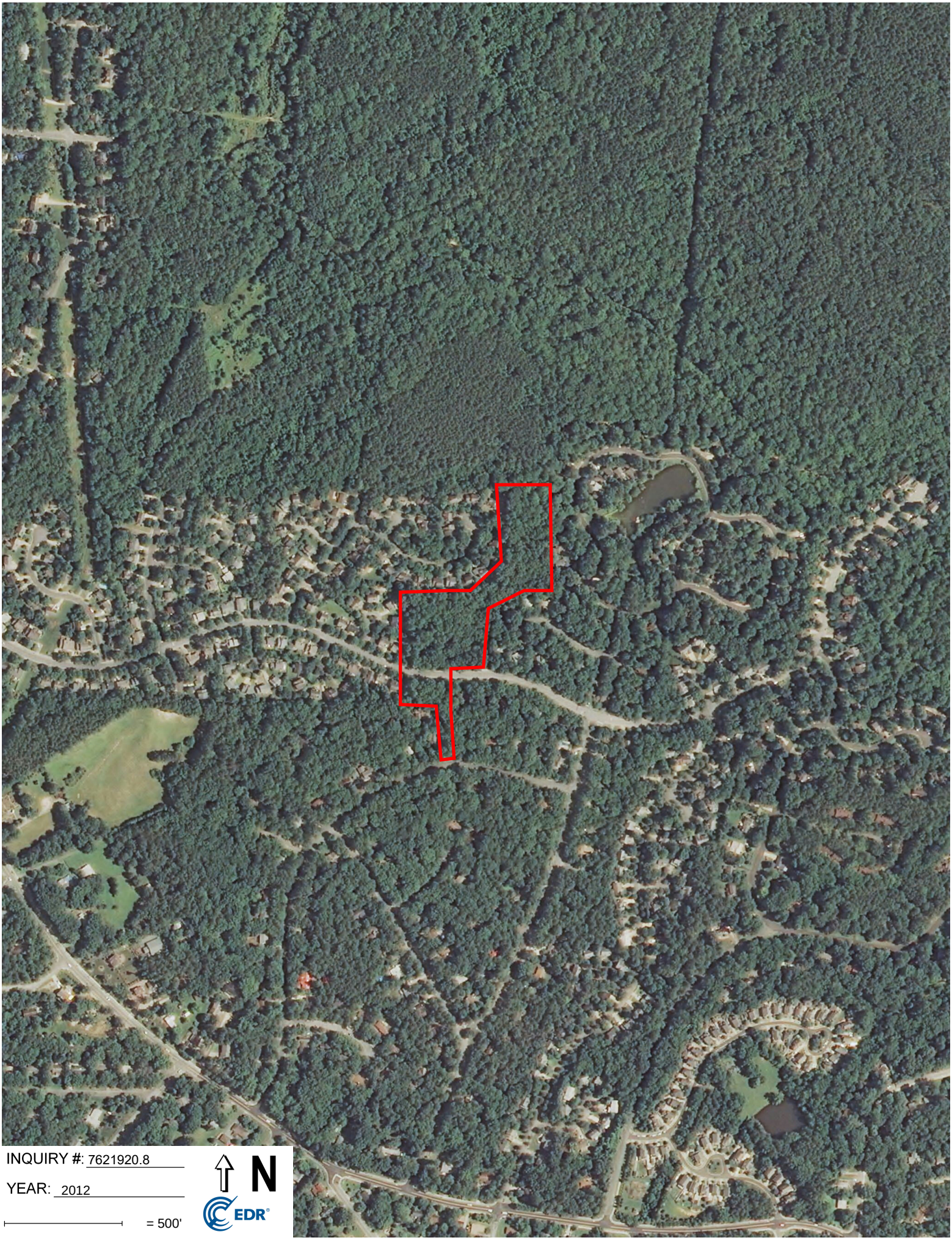
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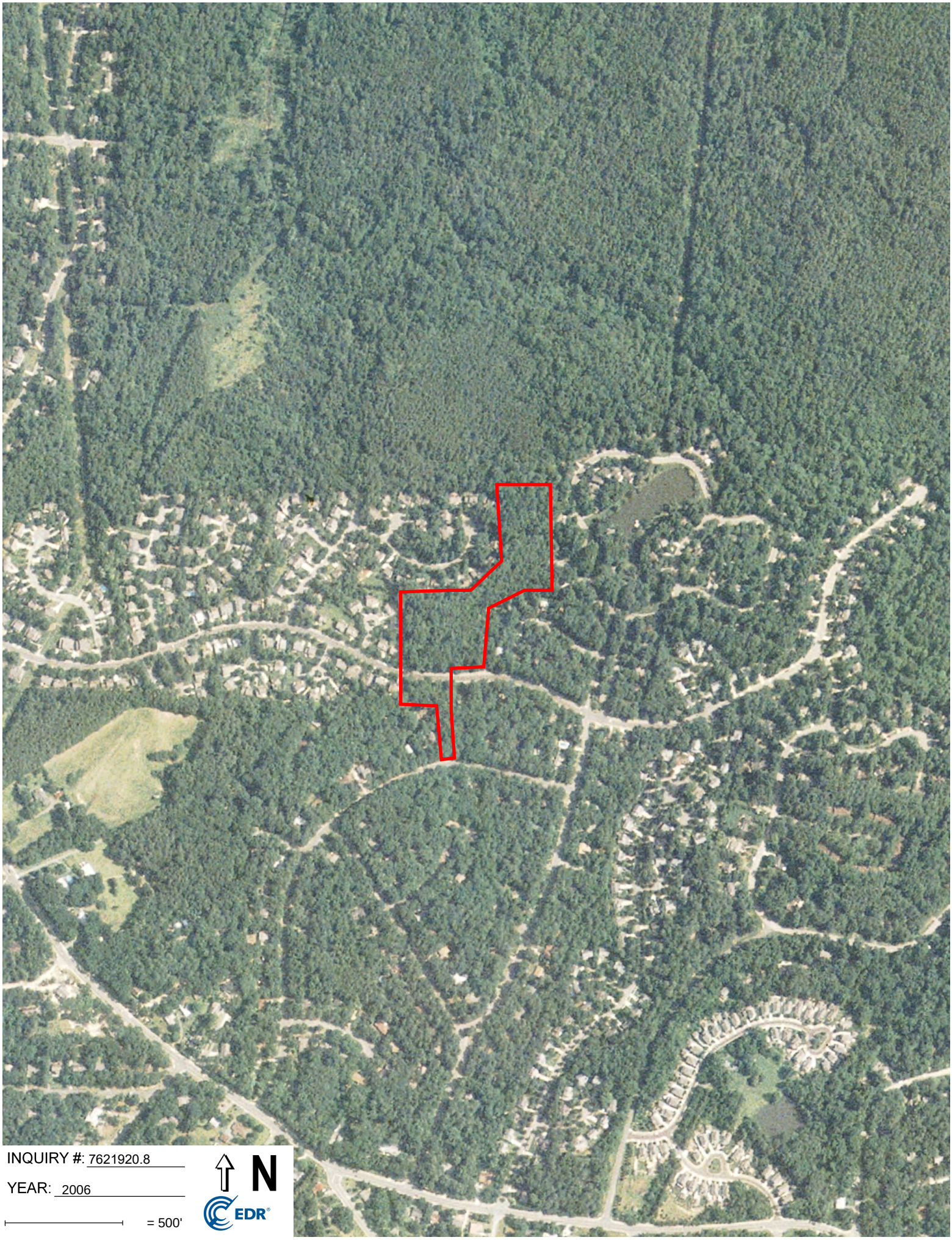
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INQUIRY #: 7621920.8
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 2006
= 500'
N
EDR



INQUIRY #: 7621920.8

YEAR: 1999

= 500'

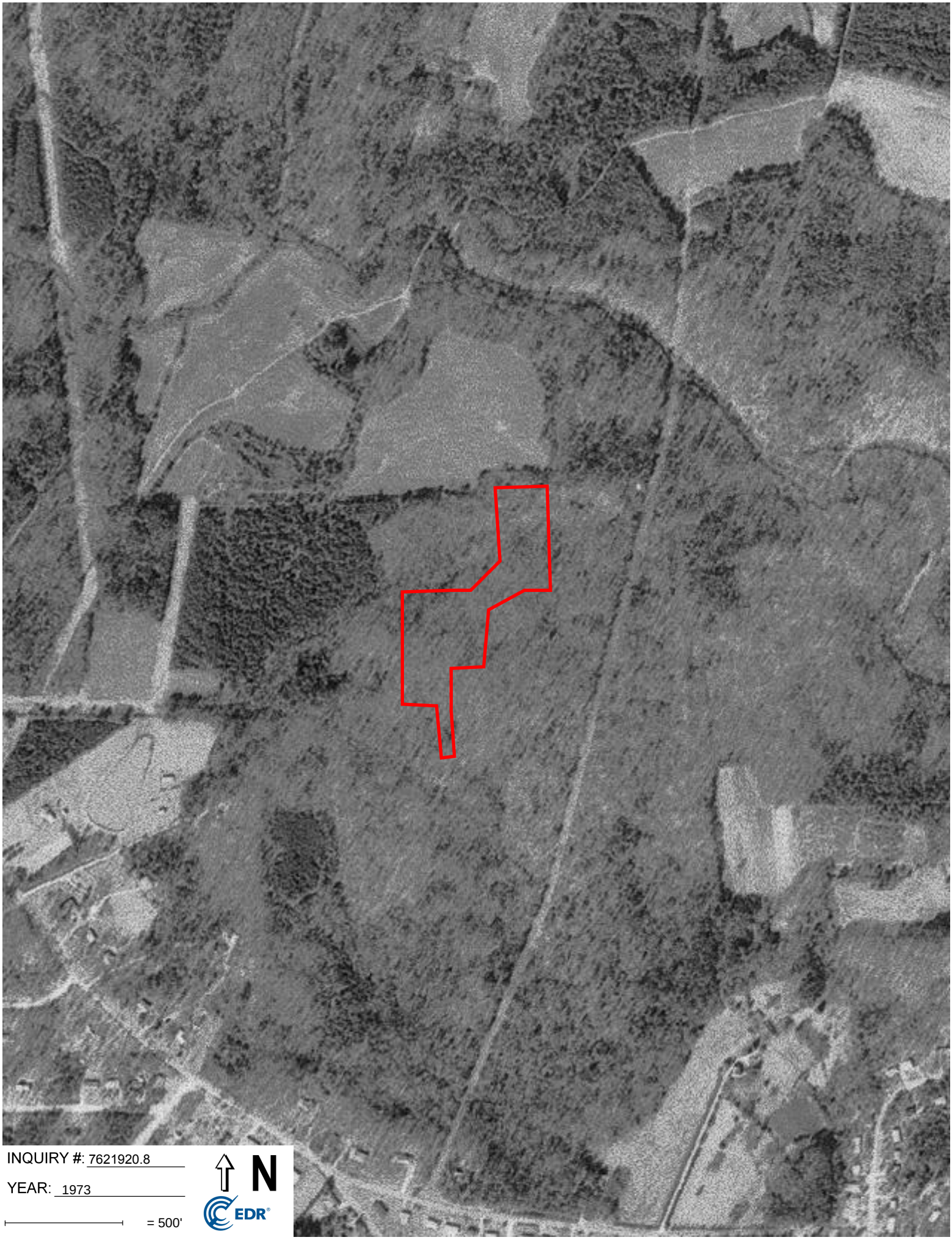
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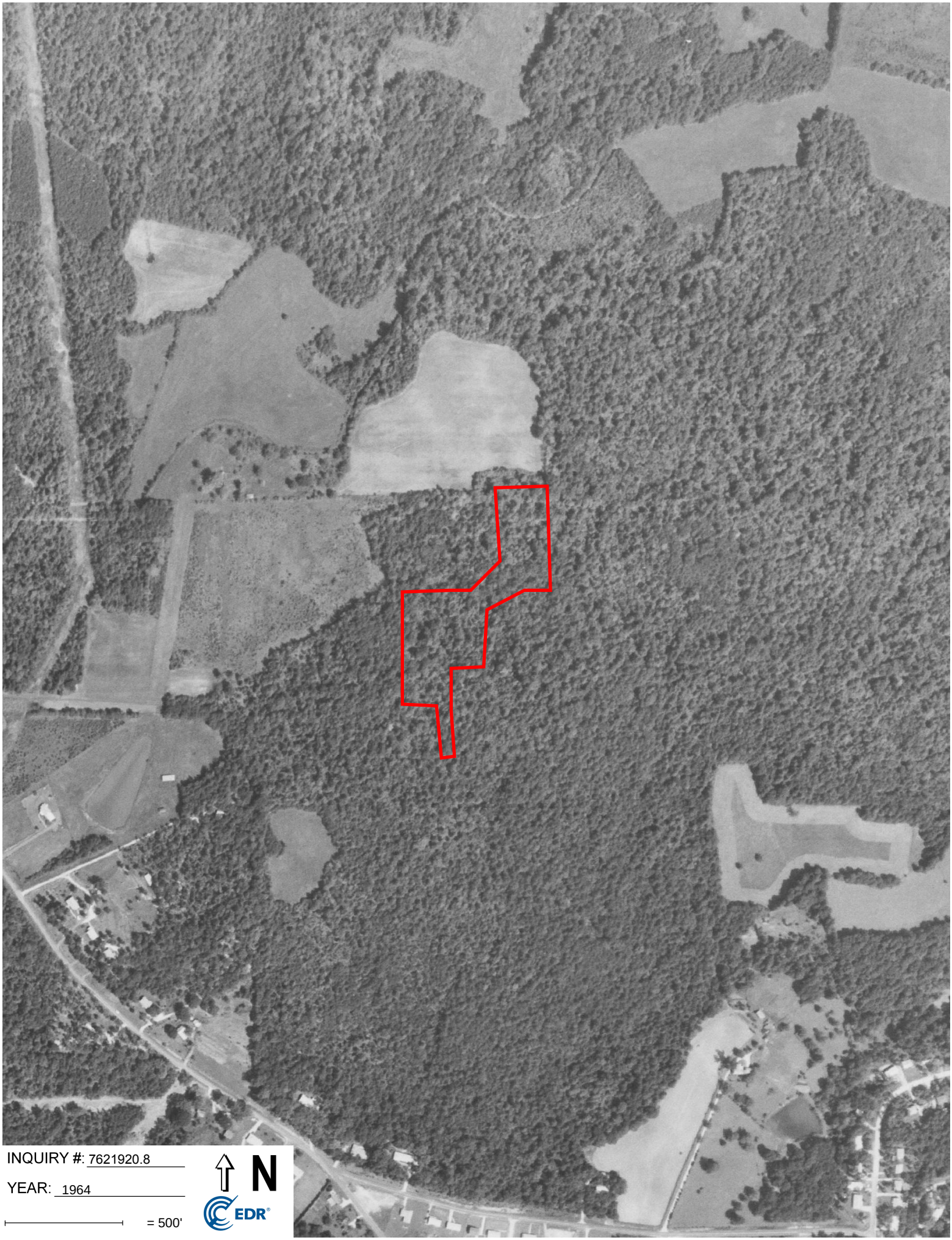
EDR


INQUIRY #: 7621920.8
YEAR: 1993
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 1983
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 1975
= 500'
N
EDR


INQUIRY #: 7621920.8
YEAR: 1973
= 500'
N
EDR



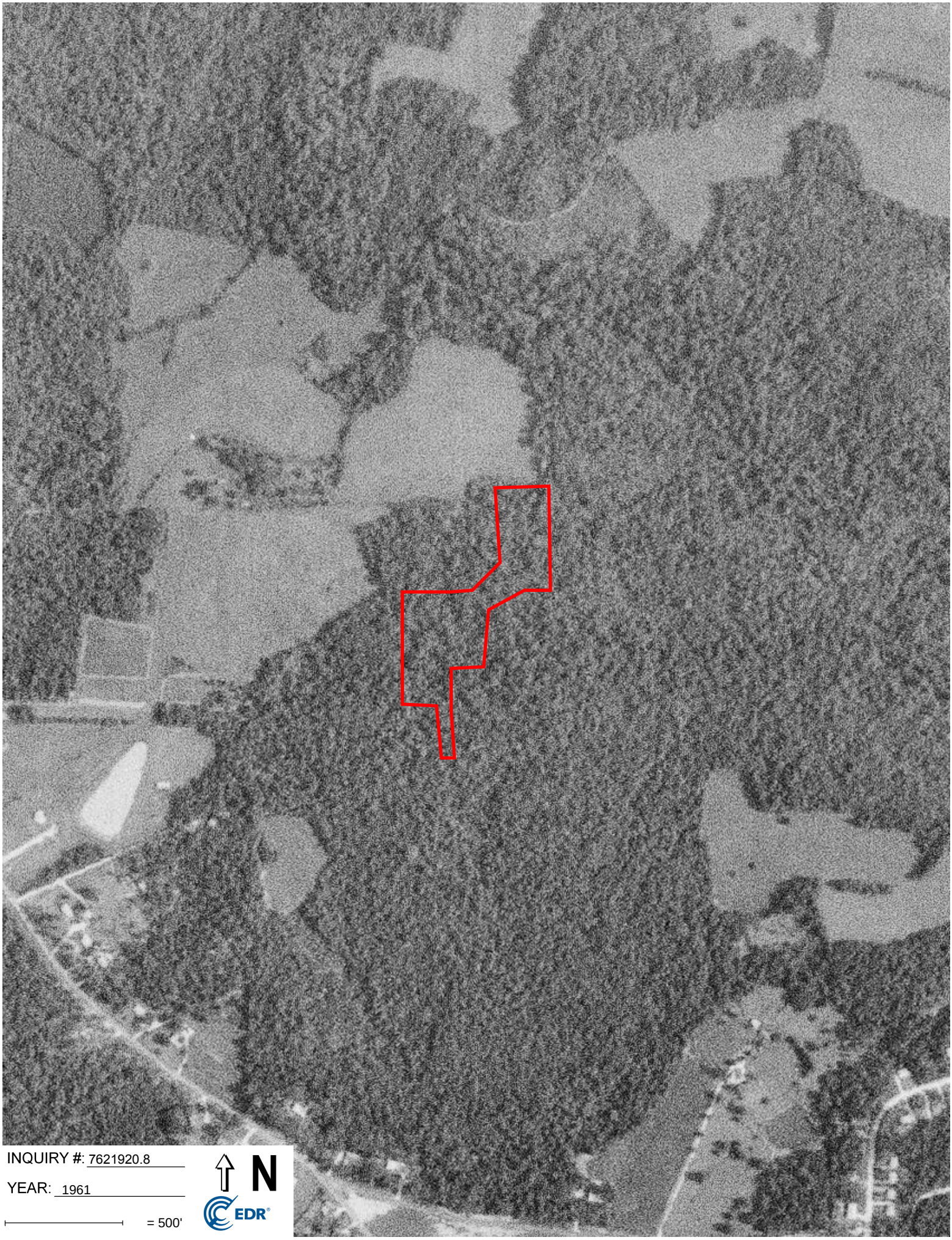
INQUIRY #: 7621920.8

YEAR: 1964

= 500'

N

EDR



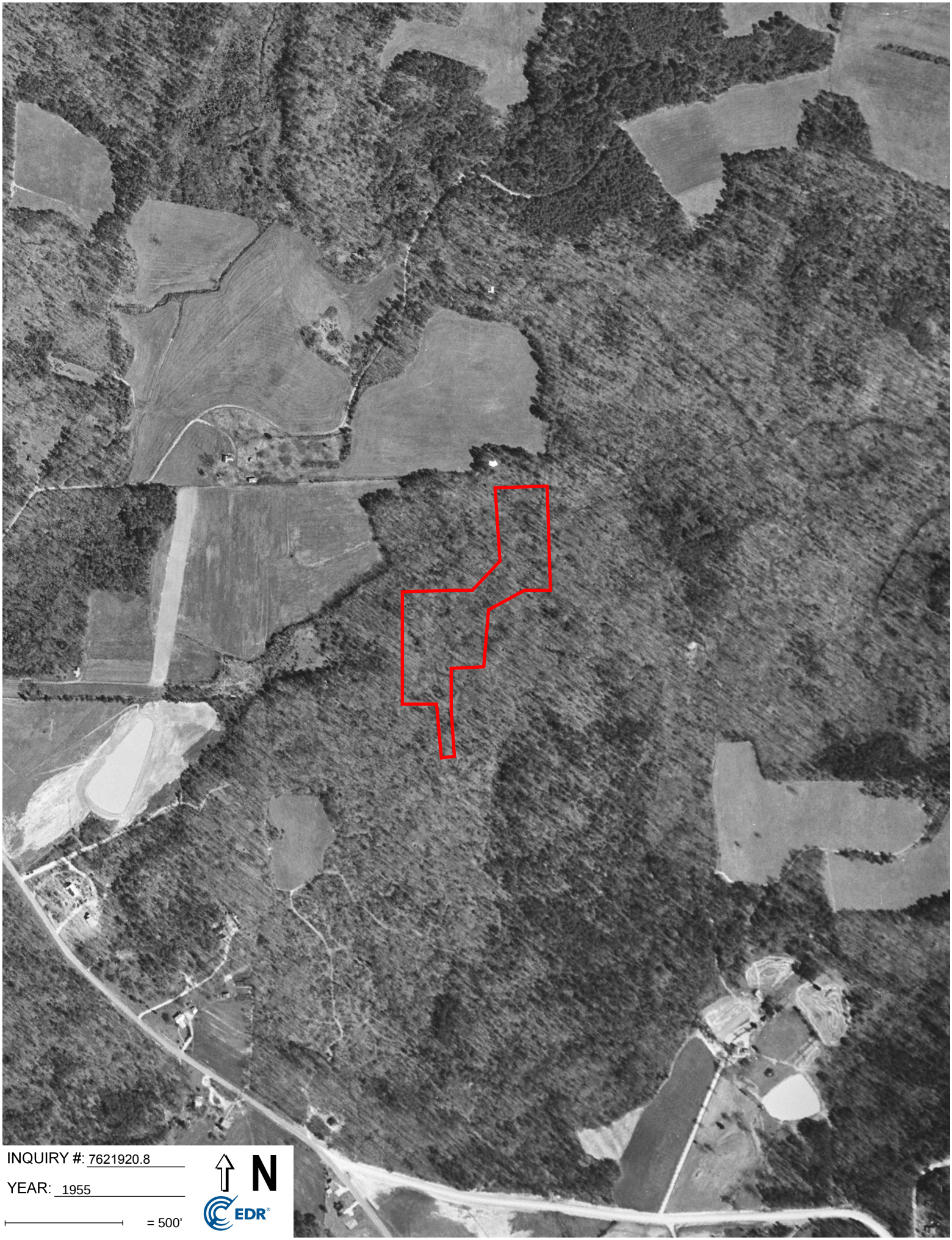
INQUIRY #: 7621920.8

YEAR: 1961

= 500'

N

EDR


INQUIRY #: 7621920.8
YEAR: 1955
= 500'
N
EDR



INQUIRY #: 7621920.8

YEAR: 1950

= 500'

N

EDR



INQUIRY #: 7621920.8

YEAR: 1938

= 500'

N

EDR

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.5
April 16, 2024

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2014	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2010	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2005	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
2000	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1995	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1992	☑	☐	Cole Information
	☑	☐	EDR Digital Archive
1987	☐	☐	Polk's City Directory
1982	☐	☐	Polk's City Directory
1977	☐	☐	HILLS DIRECTORY CO.
1972	☐	☐	HILLS DIRECTORY CO.
1968	☐	☐	HILLS DIRECTORY CO.
1965	☐	☐	HILLS DIRECTORY CO.

EXECUTIVE SUMMARY

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	***Target Street***	***Cross Street***	***Source***

FINDINGS

TARGET PROPERTY STREET

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Year	*CD Image*	*Source*	
PATHWAY DR			
2020	pg A1	EDR Digital Archive	
2017	pg A4	Cole Information	
2014	pg A5	Cole Information	
2010	pg A6	Cole Information	
2005	pg A7	Cole Information	
2000	pg A8	Cole Information	
1995	pg A9	Cole Information	
1992	pg A10	Cole Information	
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
SPRING VALLEY RD			
2020	pg. A2	EDR Digital Archive	
2017	-	EDR Digital Archive	Target and Adjoining not listed in Source
2014	-	EDR Digital Archive	Target and Adjoining not listed in Source
2010	-	EDR Digital Archive	Target and Adjoining not listed in Source
2005	-	EDR Digital Archive	Target and Adjoining not listed in Source
2000	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1987	-	Polk's City Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	HILLS DIRECTORY CO.	Street not listed in Source
1972	-	HILLS DIRECTORY CO.	Street not listed in Source
1968	-	HILLS DIRECTORY CO.	Street not listed in Source
1965	-	HILLS DIRECTORY CO.	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

PATHWAY DR 2020

1801	ELIZABETH OUDEJANS
	LUKAS OUDEJANS
1805	DAVID SALVESEN
	KATHLEEN CARLEY
	KELSEY SALVESEN
	SAM SALVESEN
1807	KEVIN GAYLOR
1809	KEVIN HUNT
	PERLA SAITZ
1811	CHRIS RAGAZZO
	GAIL RAGAZZO
	NATALIE RAGAZZO
	PHILLIP RAGAZZO
1813	AI WU
	MORTEN JENSEN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SPRING VALLEY RD 2020

102	BRIAN BURNS
	KATHERINE DICKSON
104	BRENDA WILLIAMS
	HEATHER TSIHLIS
	NICK TSIHLIS
105	DAISY VICKERS
	HADLEY VICKERS
	JAMES VICKERS
106	JAMES TRIER
	LOJEAN DELANEY
107	ASHLEY WEINBERGER
	CARY WEINBERGER
	DONNA PRATHER
	LEIGH HALL
	ROBIN WEINBERGER
108	SUZANNE MCCRAY
109	ANNA DE GUZMAN
	HAMAYUN AHMAD
	ORLANDO DEGUZMAN
110	ORRIN ROBBINS
111	ELLEN DEARDEN
112	CHERYL BEATTY
	LINDSAY DUBBS
	SARAH MILLER
113	DANIEL STERN
	LAUREN DUBOWSKI
	ROSEMARY BYRNES
114	ANNELIESE RUEGG
	KATHRYN GEHWEILER
115	LUCILLE RICHARDSON
116	DAVID UPCHURCH
	IRMA TEJADA
	MICHAEL TEJADA
117	JULIE FOSTER
	ROBERT FOSTER
200	HELEN BUISKOOL
	RICHARD PASCHAL
	ROY BUISKOOL
202	MARILYN PINSCHMIDT
	ROBERT PINSCHMIDT
204	GENEVA HOLLIDAY
206	SARAH CARROLL
208	CHRISTOPHER FLOYD
	CYNTHIA SCHAUER
	WALTER FLOYD
300	JENNA SCHWARTZ
301	JAMES MCADAM
	STEPHANIE MCADAM
	STEPHANIE MILLS
302	JUSTUS HEIZER

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

SPRING VALLEY RD 2020 (Cont'd)

302	PATRICIA OWEN
	SARAH OWEN
	XAVIER MELA
303	JASON CHANCER
	PATRICIA CHANCER
	ROBIN CHANCER
304	DANIEL PARKS
	JEFFREY BADGETT
	STEEVIE PARKS
306	MARY RABINOWITZ
	SUSANNE MCCRACKEN
	SUSANNE SANDMEYER
308	BURNHAM JACKSON
	RICHARD CAPPELLETTI
310	DANA SMITH

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2017

1801	OUDEJANS, LUKAS J
1803	RAYMOND, SLATER
1805	SALVESEN, DAVID A
1807	GAYLOR, KEVIN W
1809	SAITZ, PERLA M
1811	RAGAZZO, PHIL M

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2014

1801	OUDEJANS, LUKAS J
1803	RAYMOND, SLATER
1805	SALVESEN, DAVID A
1807	GAYLOR, KEVIN W
1809	HUNT, KEVIN T
1811	RAGAZZO, PHIL M
1813	WU, AI J

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2010

1801	OUDEJANS, LUKAS J
1803	RAYMOND, TOD S
1805	CARLEY, KATHLEEN F
1807	GAYLOR, KEVIN W
1809	HUNT, KEVIN T
1811	RAGAZZO, PHIL M
1813	JENSEN, MORTEN B

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2005

1801	OCONNOR, TOM A
1803	RAYMOND, TOD S
1805	SALVESEN, DAVID M
1807	GAYLOR, KEVIN W
1809	NOLTING, MARK N
1811	RAGAZZO, PHIL M
1813	WARNER, HARRIET I

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 2000

1803	RAYMOND, TOD S
1807	LADA, SAMUEL J
	TILLOTSON, GARRETT
1809	NOLTING, MARK
1811	RAGAZZO, PHIL
1813	TRACHTENBERG, REBECCA R
2210	GOLDMAN SAM

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 1995

1801	HARDY, DAVID
	WILLIAMSON, ALETHEA
1803	DELVERS, MARCUS
1807	GAYLOR, KEVIN W
	HANNAH, DEL
1809	NOLTING, MARK
1810	RAGAZZO, PHIL
1811	OCCUPANT UNKNOWNN
1813	CLARK, BRONSON P
	WARNER, HARRIET
1815	WEHBIE, ROBERT

Target Street	Cross Street	Source
✓	-	Cole Information

PATHWAY DR 1992

1801	STIFFLER, STEVE
1803	HELTON, M
	NOAH, T L
1805	MARGOLIS, PETER
1807	GAYLOR, KEVIN W
1809	NOLTING, MARK
1811	RAGAZZO, PHIL
1813	WARNER, HARRIET

Appendix D:

Regulatory Records

Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.2s
April 11, 2024

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9281480 - 35° 55' 41.33''
Longitude (West):	79.0844540 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CHEVRON CONSTRUCTION	200 WATERSIDE DR	EDR Hist Auto	Lower	614, 0.116, ENE
A2	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	LUST, LUST TRUST	Lower	1738, 0.329, SW
A3	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	IMD	Lower	1738, 0.329, SW
B4	CLARENCE & MARGY MCF	703 HILLSBOROUGH ROA	LUST, INST CONTROL	Lower	1883, 0.357, SSW
B5	HARWARD PROPERTY (SH	1802 N. GREENSBORO S	LUST, LUST TRUST	Lower	1923, 0.364, South
6	CHEEK RESIDENTIAL OI	100-B MILTON DR	LUST, LUST TRUST	Lower	2271, 0.430, SSE
7	BROWNING PROPERTY	105 SIMPSON STREET	LUST, LUST TRUST	Lower	2338, 0.443, SSW
C8	PHILIP EASLER RESIDE	103 PHIPPS ST	LUST, ASBESTOS	Lower	2557, 0.484, SSW
C9	REDFOOT PROPERTY, RI	105 PHIPPS STREET	LUST, LUST TRUST, INST CONTROL	Lower	2573, 0.487, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing
SEMS ---------- Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

NC HSDS..... Hazardous Substance Disposal Site

Lists of state- and tribal hazardous waste facilities

SHWS..... Inactive Hazardous Sites Inventory

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory
DEBRIS..... Solid Waste Active Disaster Debris Sites Listing
LCID..... Land-Clearing and Inert Debris (LCID) Landfill Notifications

Lists of state and tribal leaking storage tanks

LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Petroleum Underground Storage Tank Database
AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP..... Responsible Party Voluntary Action Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Solid Waste Facility Listing
SWRCY..... Recycling Center Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Spills Incident Listing
SPILLS 90	SPILLS 90 data from FirstSearch
SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
MINES MRDS	Mineral Resources Data System

EXECUTIVE SUMMARY

ABANDONED MINES Abandoned Mines
FINDS Facility Index System/Facility Registry System
DOCKET HWC Hazardous Waste Compliance Docket Listing
UXO Unexploded Ordnance Sites
ECHO Enforcement & Compliance History Information
FUELS PROGRAM EPA Fuels Program Registered Listing
PFAS NPL Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES Federal Sites PFAS Information
PFAS TSCA PFAS Manufacture and Imports Information
PFAS TRIS List of PFAS Added to the TRI
PFAS RCRA MANIFEST PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR PFAS Contamination Site Location Listing
PFAS WQP Ambient Environmental Sampling for PFAS
PFAS NPDES Clean Water Act Discharge Monitoring Information
PFAS ECHO Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC Aqueous Foam Related Incidents Listing
BIOSOLIDS ICIS-NPDES Biosolids Facility Data
PFAS PFAS Contamination Site Listing
AIRS Air Quality Permit Listing
ASBESTOS Asbestos Permits & Notifications Information
CCB Coal Ash Structural Fills (CCB) Listing
COAL ASH Coal Ash Disposal Sites
DRYCLEANERS Drycleaning Sites
Financial Assurance Financial Assurance Information Listing
NPDES NPDES Facility Location Listing
PCSRP Petroleum-Contaminated Soil Remediation Permits
SEPT HAULERS Permitted Septage Haulers Listing
UIC Underground Injection Wells Listing
AOP Animal Operation Permits Listing
UST FINDER RELEASE UST Finder Releases Database
UST FINDER UST Finder Database

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants
EDR Hist Cleaner EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Incident Phase: CO Incident Number: 26807 Current Status: File Located in Archives	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
CLARENCE & MARGY MCF Incident Phase: CO Incident Number: 46238 Current Status: File Located in House	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***12***
HARWARD PROPERTY (SH Incident Phase: CO Incident Number: 33499 Current Status: File Located in Archives	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***14***
CHEEK RESIDENTIAL OI Incident Phase: CO Incident Number: 33917 Current Status: File Located in House	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***16***
BROWNING PROPERTY Incident Phase: CO Incident Number: 39421 Current Status: File Located in House	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***17***
PHILIP EASLER RESIDE Incident Number: 46383 Current Status: File Located in House	***103 PHIPPS ST***	***SSW 1/4 - 1/2 (0.484 mi.)***	***C8***	***19***
REDFOOT PROPERTY, RI Incident Phase: CO Incident Number: 39529 Current Status: File Located in House	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 5 LUST TRUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Site ID: 26807	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
HARWARD PROPERTY (SH Site ID: 33499	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***14***
CHEEK RESIDENTIAL OI Site ID: 33917	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***16***
BROWNING PROPERTY Site ID: 39421	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***17***
REDFOOT PROPERTY, RI Site ID: 39529	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring.

A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARENCE & MARGY MCF	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***12***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***21***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Facility Id: 26807	904 HILLSBOROUGH ROA	SW 1/4 - 1/2 (0.329 mi.)	A3	10

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

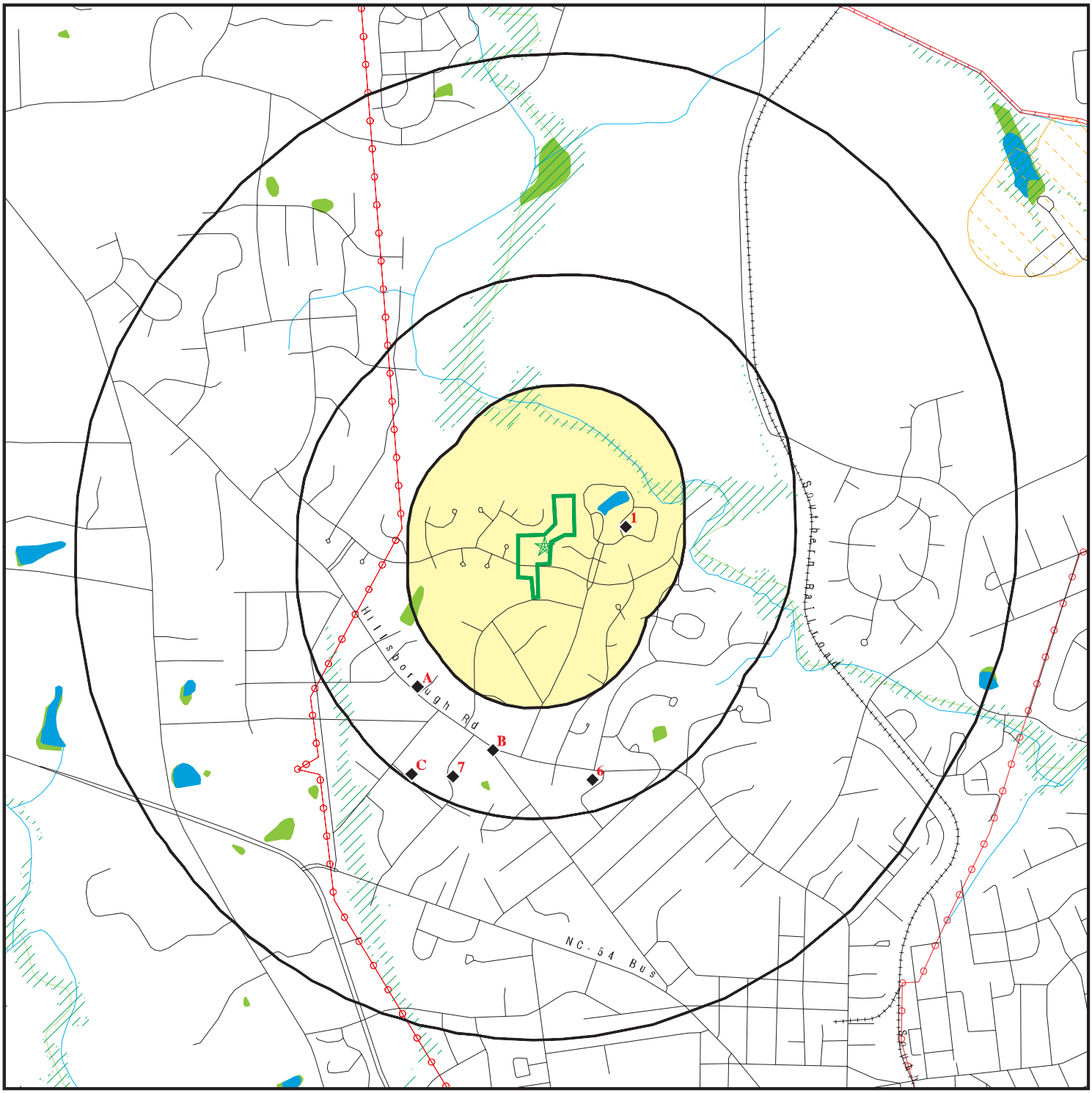
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON CONSTRUCTION	200 WATERSIDE DR	ENE 0 - 1/8 (0.116 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7621920.2S



0 1/4 1/2 1 Miles

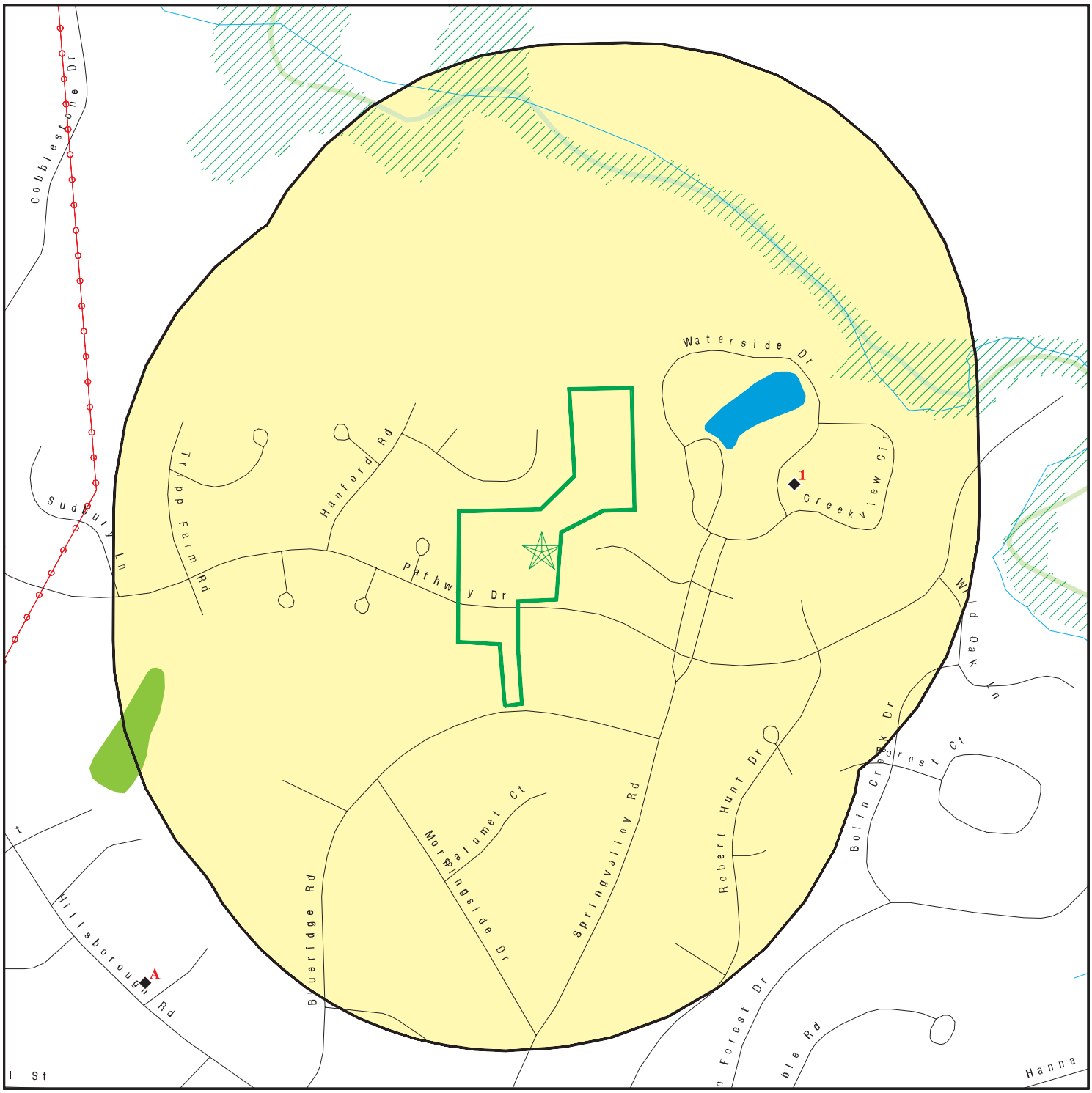
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
		INQUIRY #:	7621920.2s
LAT/LONG:	35.928148 / 79.084454	DATE:	April 11, 2024 5:11 pm

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DETAIL MAP - 7621920.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pathway Drive	CLIENT: Summit Design & Engineering Services
ADDRESS: 1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT: Aaron Gross
LAT/LONG: 35.928148 / 79.084454	INQUIRY #: 7621920.2s DATE: April 11, 2024 5:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	7	NR	NR	7
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	5	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	2	NR	NR	2
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	0	1	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	0	15	0	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ENE
< 1/8
0.116 mi.
614 ft.

CHEVRON CONSTRUCTION CORP — **EDR Hist Auto** — **1021207407**
200 WATERSIDE DR — **N/A**
CARRBORO, NC 27510

Relative:
Lower

Actual:
452 ft.

EDR Hist Auto

Year:	Name:	Type:
2001	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC
2002	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC
2003	CHEVRON CONSTRUCTION CORP	Gasoline Service Stations, NEC

A2
SW
1/4-1/2
0.329 mi.
1738 ft.

RESNICK PROPERTY, JARED — **LUST** — **S107525976**
904 HILLSBOROUGH ROAD — **LUST TRUST** — **N/A**
CHAPEL HILL, NC 27516

Site 1 of 2 in cluster A

Relative:
Lower

Actual:
486 ft.

LUST:

Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH ROAD
City,State,Zip:	CHAPEL HILL, NC 27516-
Facility ID:	Not reported
UST Number:	RA-5263
Incident Number:	26807
Source Type:	3
Date Reported:	03/15/2005
Closure Request:	Not reported
Close Out:	04/28/2005
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	N
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	A
RBCA GW:	G1
PETOPT:	4
RPL:	False
CD Num:	306
Reel Num:	198
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	MAF

RESNICK PROPERTY, JARED (Continued) **S107525976**

Company:	JARED RESNICK
Telephone:	9194184694
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5263
Facility Id:	26807
Date Occurred:	2005-03-10 00:00:00
Date Reported:	2005-03-15 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	U
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
UST Number:	C

LUST:

Incident Number:	26807
Last Modified:	4/28/2005
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH RD
City,State,Zip:	CHAPEL HILL, NC
Facility ID:	Not reported
Site ID:	26807
Site Note:	Noncommercial. 100% eligible. 0 deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

A3
SW
1/4-1/2
0.329 mi.
1738 ft.

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC

Site 2 of 2 in cluster A

IMD **S106896203**
N/A

Relative:
Lower

Actual:
486 ft.

IMD:

Facility ID:	26807
Name:	RESNICK PROPERTY, JARED
Address:	904 HILLSBOROUGH ROAD
City,State,Zip:	CHAPEL HILL, NC
Date Occurred:	3/10/2005
Submit Date:	3/15/2005
Incident Desc:	HEATING OIL RELEASE
Operator:	Not reported
UST ID:	Not reported
Incident ID:	Not reported
Initials of UST Regional Contact:	Not reported
Regional Office:	Not reported
Responsible Party/Company Name:	Not reported
Ownership:	4
Responsible Party Contact Name:	Not reported
Operation:	3
Responsible Party Mailing Address:	Not reported
Responsible Party City,State,Zip:	Not reported
Ownership:	Private
Operation Type:	Residential
Responsible Party County:	Not reported
Source:	Leak-underground
Type:	GASOLINE/DIESEL
Location:	7
Petroleum Type:	Not reported
Date Incident Reported:	Not reported
Whether Tank is Commercial or Non Commercial:	Not reported
Site Priority:	Not reported
Whether Tank is Regulated:	Not reported
Priority Update:	Not reported
Notice of Regulatory Requirement:	Not reported
Wells Affected:	Unknown
Notice of Violation:	Not reported
Phase 1 or Phase 2:	Not reported
Num Affected:	Not reported
Site Priority:	Not reported
Location:	Residence
Current Risk Condition:	Not reported
Sampled By:	1
Samples Include:	Not reported
Initial reported risk of incident (never changes):	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Intermediate Condition Present:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Use of Land, Industrial:	Not reported
Corrective Action Plan Selected - up to 5:	Not reported
RBCA:	Not reported
Date Close Review Requested From RP or Owner:	Not reported
Date Case Closed:	Not reported
Extent of Contamination:	Not reported

RESNICK PROPERTY, JARED (Continued) **S106896203**

Number of Supply Wells Located on Property:	Not reported
MTBE in Well Y/N/U Yes, No or Unknown:	Not reported
Facility Phone Number:	Not reported
MTBE in Groundwater Y/N/U Yes, No or Unknown:	Not reported
Date Land Use Restriction Filed:	Not reported
Date Cleanup Initiated:	Not reported
Record Status:	Not reported
RBCA GW Codes:	Not reported
RBCA GW:	Not reported
Pollutant Type Present:	Not reported
Reference Number for Media Disk for Archived Record:	Not reported
RP Owner?:	Not reported
RP Operator?:	Not reported
RP Landowner?:	Not reported
Comments:	Not reported
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Contact Phone:	9194184694
Owner Company:	JARED RESNICK
Operator Address:	904 HILLSBOROUGH ROAD
Operator City,State,Zip:	CHAPEL HILL, NC 27516-
Operator County:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Setting:	Not reported
Risk Site:	L
Priority Code:	Not reported
Dem Contact:	MAF
Wells Contam:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM

Status:

Facility ID:	26807
Last Modified:	2005-04-28 00:00:00
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

B4
SSW
1/4-1/2
0.357 mi.
1883 ft.

CLARENCE & MARGY MCFARLING UST
703 HILLSBOROUGH ROAD
CARRBORO, NC 27510

Site 1 of 2 in cluster B

LUST **S121425758**
INST CONTROL **N/A**

Relative:
Lower

Actual:
480 ft.

LUST:

Name:	CLARENCE & MARGY MCFARLING UST
Address:	703 HILLSBOROUGH ROAD
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-8160
Incident Number:	46238
Source Type:	3
Date Reported:	01/09/2017
Closure Request:	Not reported
Close Out:	02/08/2018
Level Of Soil Cleanup Achieved:	S1
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	01/09/2018
GPS Confirmed:	N
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	9199425226
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8160
Facility Id:	46238
Date Occurred:	2017-11-11 00:00:00
Date Reported:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

CLARENCE & MARGY MCFARLING UST (Continued) **S121425758**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	7
Source:	A
UST Number:	P

LUST:

Incident Number:	46238
Last Modified:	2/8/2018
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

INST CONTROL:

Name:	CLARENCE & MARGY MCFARLING UST
Address:	703 HILLSBOROUGH ROAD
City,State,Zip:	CARRBORO, NC
Project Number:	RA-8160
Object ID:	Not reported
DWM Contact:	Raleigh Regional Office (919) 791-4200
DWM Program:	Underground Storage Tank Section
Project Status:	No Further Action
COC:	Multi COC
Contamination Source:	UST System
Received Date:	2018-01-08 00:00:00
Restricted Media:	Groundwater Only
Allowed Use:	Media Restrictions Only
Certification:	None
Plant Reception Date:	Not reported
Instrument Status:	Effective
Deed BK:	Not reported
Deed PG:	Not reported
Plat BK:	Not reported
Plat PG:	Not reported
Instrument:	Notice and Restriction
Deed:	Not reported
Deed Date:	Recorded 1-8-2018
Plat:	Not reported
Plat Date:	Not reported

CLARENCE & MARGY MCFARLING UST (Continued) **S121425758**

X Coord: 1974133.8405341357
Y Coord: 790367.1428826451

B5 **HARWARD PROPERTY (SHANNON)** **LUST** **S109034075**
South **1802 N. GREENSBORO STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27516**
0.364 mi.
1923 ft. **Site 2 of 2 in cluster B**

Relative:
Lower

Actual:
477 ft.

LUST:

Name:	HARWARD PROPERTY (SHANNON)
Address:	1802 N. GREENSBORO STREET
City,State,Zip:	CARRBORO, NC 27516
Facility ID:	Not reported
UST Number:	RA-5951
Incident Number:	33499
Source Type:	3
Date Reported:	12/12/2007
Closure Request:	Not reported
Close Out:	05/02/2008
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	69
Current Status:	A
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	482
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Y
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CED
Company:	Not reported
Telephone:	9198243683
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-5951
Facility Id:	33499

HARWARD PROPERTY (SHANNON) (Continued) **S109034075**

Date Occurred:	2007-12-12 00:00:00
Date Reported:	2007-12-12 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
UST Number:	P

LUST:

Incident Number:	33499
Last Modified:	5/2/2008
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	HARWARD PROPERTY (SHANNON)
Address:	1802 N. GREENSBORO ST
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33499
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 8/25/08]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

6
SSE
1/4-1/2
0.430 mi.
2271 ft.

CHEEK RESIDENTIAL OIL SPILL
100-B MILTON DR
CARRBORO, NC 27510

LUST
LUST TRUST

S110630013
N/A

Relative:
Lower

Actual:
478 ft.

LUST:

Name:	CHEEK RESIDENTIAL OIL SPILL
Address:	100-B MILTON DR
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported
UST Number:	RA-6764
Incident Number:	33917
Source Type:	3
Date Reported:	09/28/2010
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	S3
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	S
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	21
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	CCW
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-6764
Facility Id:	33917
Date Occurred:	2010-09-28 00:00:00
Date Reported:	2010-09-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3

CHEEK RESIDENTIAL OIL SPILL (Continued) **S110630013**

Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	8
Cause:	1
Source:	A
UST Number:	P

LUST:

Incident Number:	33917
Last Modified:	Not reported
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	CHEEK RESIDENTIAL OIL SPILL
Address:	100-B MILTON DR
City,State,Zip:	CARRBORO, NC
Facility ID:	Not reported
Site ID:	33917
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 2/27/12] Per letter dated 11/12/13, eligibility was transferred to Ms. Pamela C. Wagoner for work conducted on and after 7/7/13. [CGS 11/12/13]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

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7 **BROWNING PROPERTY** **LUST** **S114020675**
SSW **105 SIMPSON STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.443 mi.
2338 ft.

Relative: **Lower**

Actual: **477 ft.**

LUST:

Name:	BROWNING PROPERTY
Address:	105 SIMPSON STREET
City,State,Zip:	CARRBORO, NC 27510
Facility ID:	Not reported

BROWNING PROPERTY (Continued) **S114020675**

UST Number:	RA-7299
Incident Number:	39421
Source Type:	3
Date Reported:	09/09/2013
Closure Request:	Not reported
Close Out:	02/11/2014
Level Of Soil Cleanup Achieved:	S2
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	99
Current Status:	C
RBCA GW:	G2
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	NA
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7299
Facility Id:	39421
Date Occurred:	2013-08-23 00:00:00
Date Reported:	2013-09-09 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	N
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported

BROWNING PROPERTY (Continued) **S114020675**

Source Code: Not reported
Err Type: 2
Cause: 7
Source: G
UST Number: P

LUST:
Incident Number: 39421
Last Modified: 2/11/2014
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Name: BROWNING PROPERTY
Address: 105 SIMPSON STREET
City,State,Zip: CARRBORO, NC
Facility ID: Not reported
Site ID: 39421
Site Note: Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is reached. Then reimburse at 100%. [CGS 6/24/14]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 2000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

C8 **PHILIP EASLER RESIDENCE** **LUST** **S123084430**
SSW **103 PHIPPS ST** **ASBESTOS** **N/A**
1/4-1/2 **CARRBORO, NC 27510**
0.484 mi.
2557 ft. **Site 1 of 2 in cluster C**

Relative:
Lower

Actual:
470 ft.

LUST:
Name: PHILIP EASLER RESIDENCE
Address: 103 PHIPPS ST
City,State,Zip: CARRBORO, NC 27510
Facility ID: Not reported
UST Number: RA-8310
Incident Number: 46383
Source Type: 3
Date Reported: 09/19/2018
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N

PHILIP EASLER RESIDENCE (Continued) **S123084430**

Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	S
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	Not reported
GPS Confirmed:	N
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-8310
Facility Id:	46383
Date Occurred:	2018-09-19 00:00:00
Date Reported:	2018-09-25 00:00:00
Owner/Operator:	Not reported
Ownership:	Not reported
Operation Type:	Not reported
Type:	Not reported
Location:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
UST Number:	Not reported

ASBESTOS:

PHILIP EASLER RESIDENCE (Continued) **S123084430**

Name:	RESIDENCE - 103 PHIPPS STREET
Address:	103 PHIPPS STREET
City,State,Zip:	CARRBORO, NC
Permit Number:	NC35463
NESHAP Number:	69765
Contractor:	Remtech Environmental LLC
Owner Name:	Lauren Hart
Phone:	(919) 201-2101
Removal Start Date:	06-06-23
Removal End Date:	06-14-23
Demo Start Date:	Not reported
Demo End Date:	Not reported
Linear Feet:	0
Square Feet:	1,890
Cubic Feet:	0
Type:	R

C9 **REDFOOT PROPERTY, RICHARD** **LUST** **S116491537**
SSW **105 PHIPPS STREET** **LUST TRUST** **N/A**
1/4-1/2 **CARRBORO39536, NC 27510** **INST CONTROL**
0.487 mi.
2573 ft. **Site 2 of 2 in cluster C**

Relative: LUST:
Lower

Actual:
470 ft.

Name:	REDFOOT PROPERTY, RICHARD
Address:	105 PHIPPS STREET
City,State,Zip:	CARRBORO39536, NC 27510
Facility ID:	Not reported
UST Number:	RA-7405
Incident Number:	39529
Source Type:	3
Date Reported:	02/28/2014
Closure Request:	Not reported
Close Out:	02/14/2014
Level Of Soil Cleanup Achieved:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	0
MTBE1:	U
Flag:	0
Flag1:	0
LUR Filed:	05/30/2014
GPS Confirmed:	20
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False

REDFOOT PROPERTY, RICHARD (Continued) **S116491537**

RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Testlat:	Not reported
Regional Officer Project Mgr:	ccw
Company:	Not reported
Telephone:	Not reported
5 Min Quad:	Not reported

LUST:

ERR Type:	Not reported
UST Number:	RA-7405
Facility Id:	39529
Date Occurred:	2014-02-28 00:00:00
Date Reported:	2014-02-28 00:00:00
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	7
Source:	G
UST Number:	P

LUST:

Incident Number:	39529
Last Modified:	2/14/2014
Incident Phase:	CO
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Name:	REDFOOT PROPERTY, RICHARD
Address:	105 PHIPPS STREET
City,State,Zip:	CARRBORO 39536, NC
Facility ID:	Not reported
Site ID:	39529
Site Note:	Noncommercial; first apply a $1,000 deductible then reimburse 90% of subsequent approved costs until a maximum deductible of $2,000 is

REDFOOT PROPERTY, RICHARD (Continued) **S116491537**

reached. Then reimburse at 100%. [CGS 8/25/14]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 2000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

INST CONTROL:
Name: REDFOOT PROPERTY, RICHARD
Address: 105 PHIPPS STREET
City,State,Zip: CARRBORO39536, NC
Project Number: RA-7405
Object ID: Not reported
DWM Contact: Raleigh Regional Office (919) 791-4200
DWM Program: Underground Storage Tank Section
Project Status: No Further Action
COC: Multi COC
Contamination Source: UST System
Received Date: 2014-05-29 00:00:00
Restricted Media: Multi-Media
Allowed Use: Media Restrictions Only
Certification: None
Plant Reception Date: Not reported
Instrument Status: Effective
Deed BK: Not reported
Deed PG: Not reported
Plat BK: Not reported
Plat PG: Not reported
Instrument: Notice and Restriction
Deed: Not reported
Deed Date: Recorded 5-29-2014
Plat: Not reported
Plat Date: Not reported
X Coord: 1973410.9965073913
Y Coord: 789934.6142201424

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

Lists of state- and tribal hazardous waste facilities

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DEBRIS: Solid Waste Active Disaster Debris Sites Listing

NCDEQ Division of Waste Management Solid Waste Section Temporary Disaster Debris Staging Site (TDDSS) Locations which are available to be activated in a disaster or emergency.. Disaster Debris Sites can only be used for temporary disaster debris storage if the site's responsible party activates the site for use by notifying the NCDEQ DWM Solid Waste Section staff during an emergency

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 84

Source: Department of Environmental Quality
Telephone: 919-707-8247
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 12/07/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

LCID: Land-Clearing and Inert Debris (LCID) Landfill Notifications
A list all of the Land-Clearing and Inert Debris (LCID) Landfill Notification facilities (under 2 acres in size) in North Carolina.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-707-8200
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 83

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86

Source: Department of Environmental Quality
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 12/01/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 86
Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/01/2023
Date Data Arrived at EDR: 09/26/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 83
Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 01/31/2022
Date Data Arrived at EDR: 02/02/2022
Date Made Active in Reports: 04/29/2022
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 10/28/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/08/2024
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-807-6308
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment and Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239
Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/14/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 70

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024
Date Data Arrived at EDR: 02/08/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57
Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing
This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing
Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing
List of PFAS facilities

Date of Government Version: 05/18/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/08/2022
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-8233
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

AIRS: Air Quality Permit Listing
A listing of facilities with air quality permits.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/04/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 85

Source: Department of Environmental Quality
Telephone: 919-707-8726
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

ASBESTOS: Asbestos Permits & Notifications Information
Asbestos notification sites

Date of Government Version: 01/31/2024
Date Data Arrived at EDR: 02/06/2024
Date Made Active in Reports: 03/11/2024
Number of Days to Update: 34

Source: Department of Health & Human Services
Telephone: 919-707-5973
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CCB: Coal Ash Structural Fills (CCB) Listing
These are not permitted Coal Ash landfills A list all of the now closed Coal Ash Structural Fills (CCB) in North Carolina, in point data form. The purpose is to provide the public and other government entities a visual overview of coal ash structural fills throughout the state and increase public awareness of their current locations.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 07/02/2021
Date Made Active in Reports: 09/27/2021
Number of Days to Update: 87

Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/15/2022
Date Data Arrived at EDR: 12/19/2022
Date Made Active in Reports: 03/15/2023
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 12/07/2023
Date Made Active in Reports: 03/05/2024
Number of Days to Update: 89

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/02/2023
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 85
Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 01/30/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23
Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 03/18/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 4
Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 03/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/24/2024
Date Made Active in Reports: 04/10/2024
Number of Days to Update: 77
Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 01/24/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PCSRP: Petroleum-Contaminated Soil Remediation Permits
To treat petroleum-contaminated soil in order to protect North Carolinaa??s environment and the health of the citizens of North Carolina.

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 74
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

SEPT HAULERS: Permitted Septage Haulers Listing
This list of all active and permitted Septage Land Application Site (SLAS) and Septage Detention and Treatment Facility (SDTF) sites in North Carolina. The purpose of this map is to provide the public and government entities a visual overview of the businesses that manage septage and septage facilities throughout the state.

Date of Government Version: 12/09/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 03/22/2024
Number of Days to Update: 79
Source: Department of Environmental Quality
Telephone: 919-707-8248
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 09/25/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/21/2024
Number of Days to Update: 86

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

AOP: Animal Operation Permits Listing

This listing includes animal operations that are required to be permitted by the state.

Date of Government Version: 08/29/2023
Date Data Arrived at EDR: 08/31/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 919-707-9129
Last EDR Contact: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/20/2013
Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/08/2024
Next Scheduled EDR Contact: 07/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PATHWAY DRIVE
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.928148 - 35° 55' 41.33''
Longitude (West):	79.084454 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

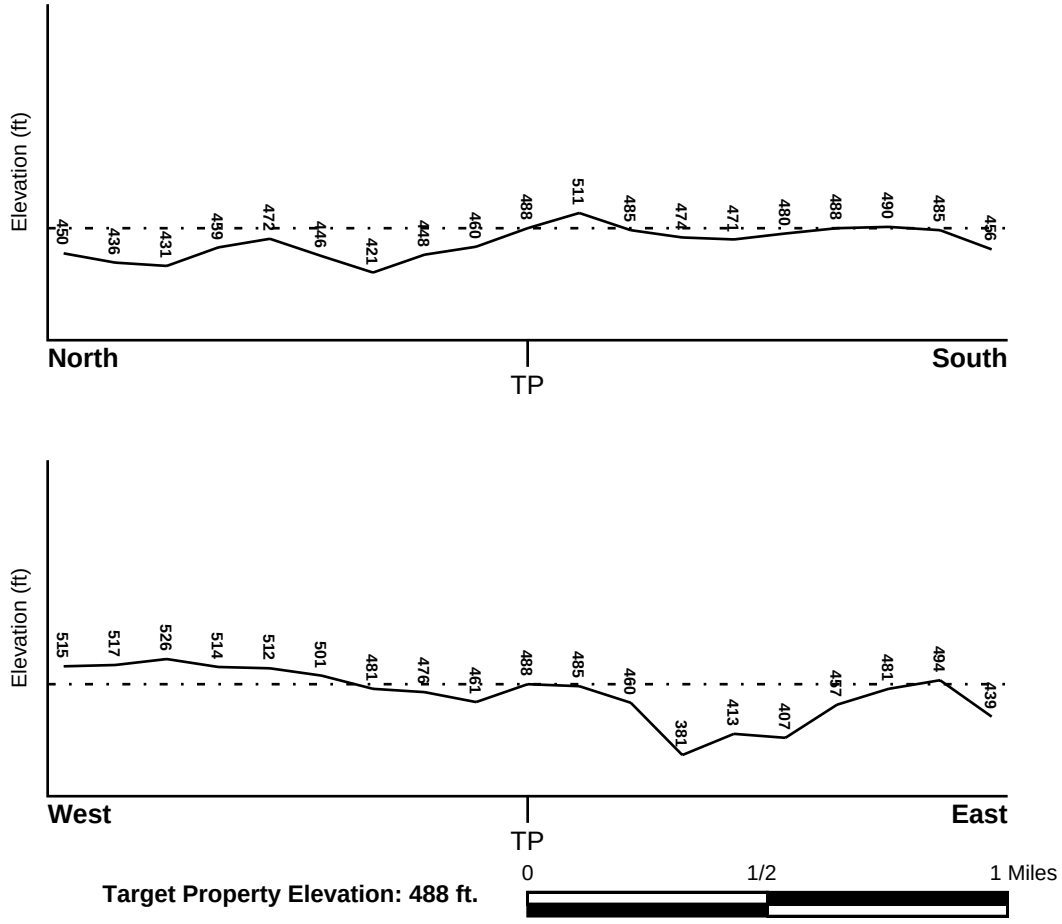
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977900J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710976900J	FEMA FIRM Flood data
3710977800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

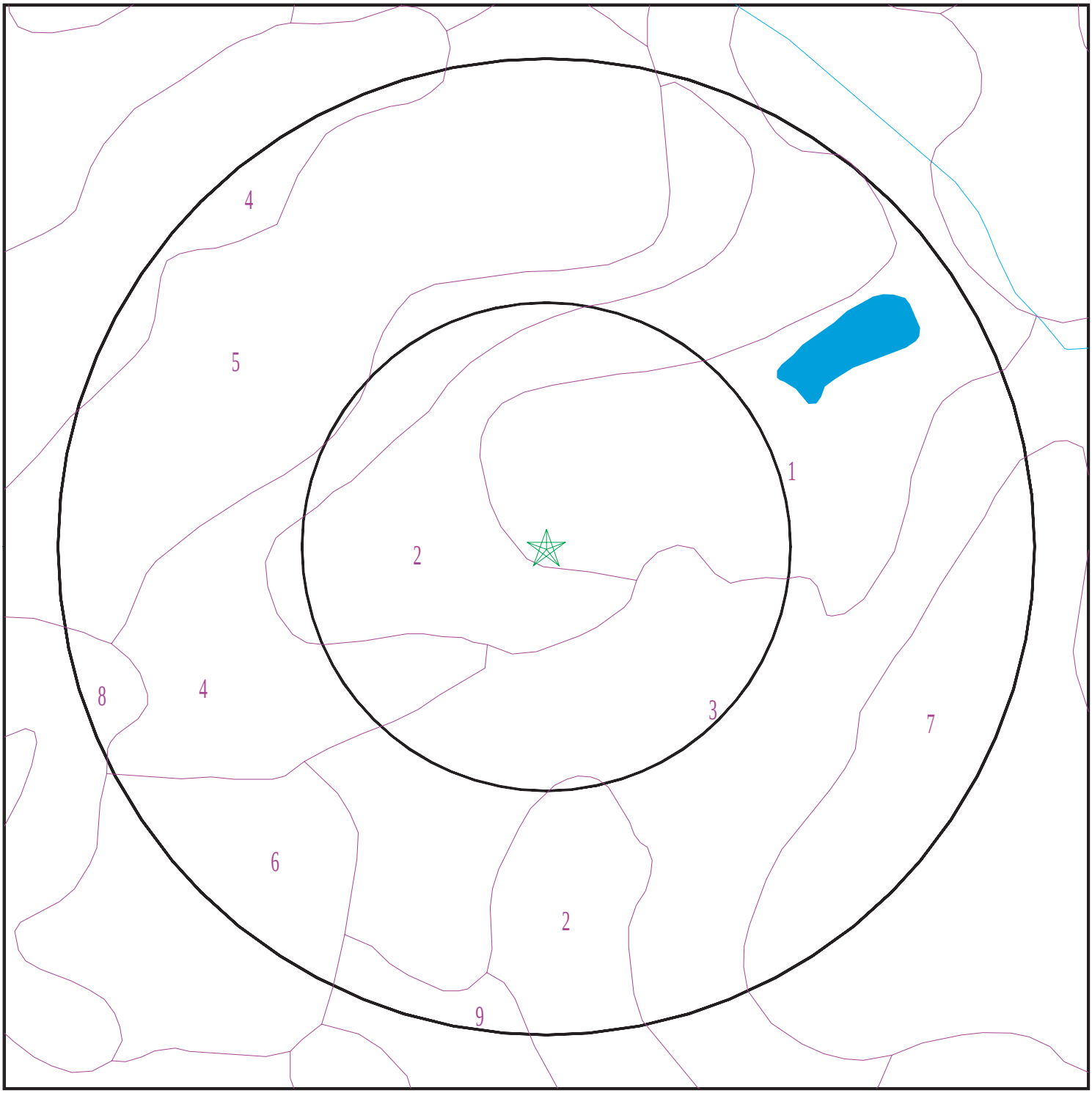
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7621920.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Goldston

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches		Not reported	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
4	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Tatum

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	5 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	53 inches	62 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	35 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 6

Soil Component Name: Herndon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	38 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	44 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
5	7 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	61 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Orange

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
2	5 inches	24 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
3	24 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
4	42 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 9

Soil Component Name: Lignum

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
2	1 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
3	11 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
4	38 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
5	55 inches	78 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000891839	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NC0368465	1/2 - 1 Mile South

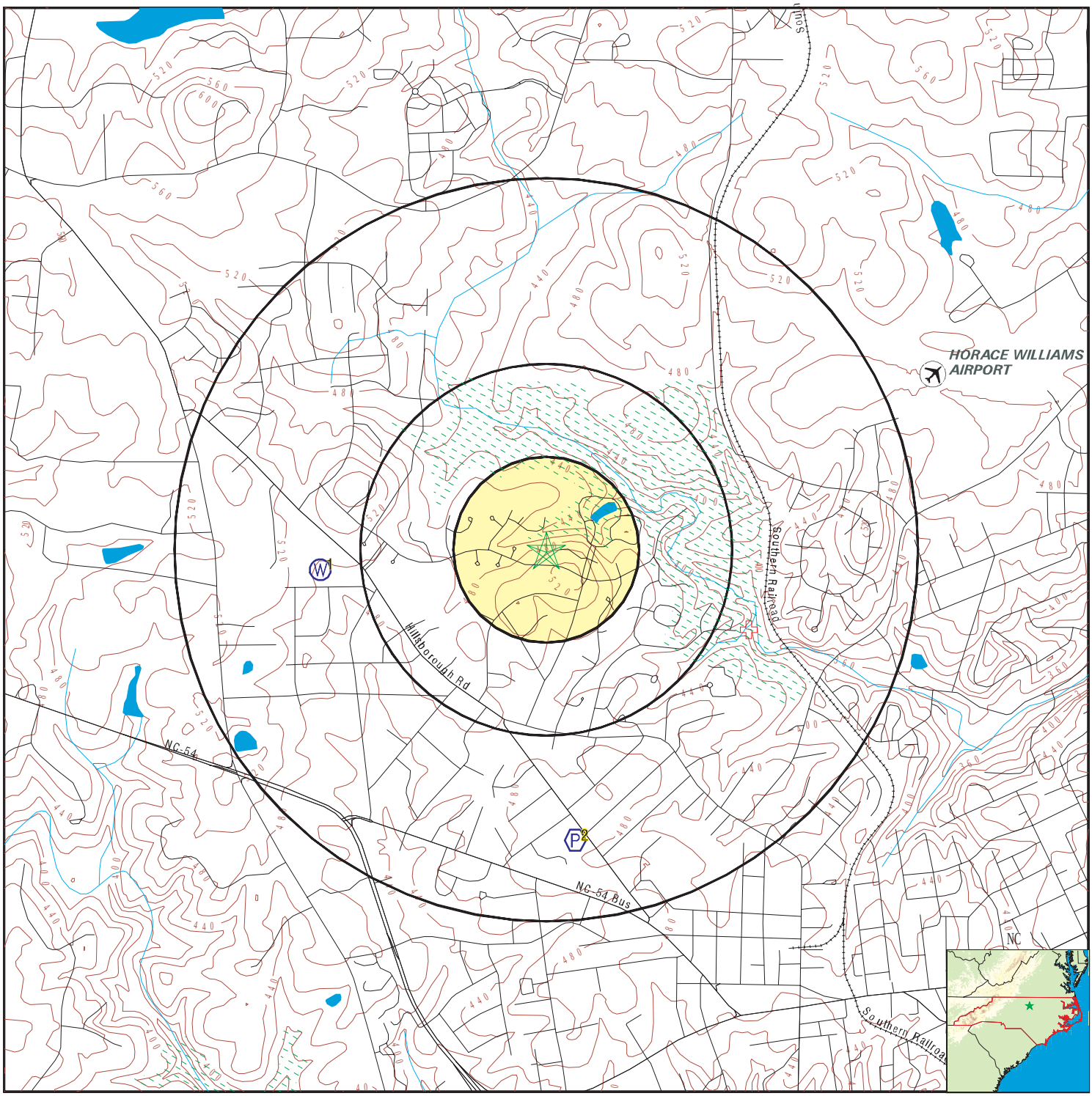
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7621920.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
West
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000891839**

Organization ID:	USGS-NC		
Organization Name:	USGS North Carolina Water Science Center		
Monitor Location:	OR-070	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Piedmont and Blue Ridge crystalline-rock aquifers		
Formation Type:	Felsic Metavolcanic Rock	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	168
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

2
South
1/2 - 1 Mile
Lower | **FRDS PWS** | **NC0368465**

Epa region:	04	State:	NC
Pwsid:	NC0368465	Pwsname:	CAROLINA FRIENDS SCHOOL
Cityserved:	Not Reported	Stateserved:	NC
Zipserved:	Not Reported	Fipscounty:	37135
Status:	Active	Retpopsrvd:	430
Pwssvcconn:	11	Psource longname:	Groundwater
Pwstype:	NTNCWS	Owner:	Private
Contact:	LEINBACH, CHAD	Contactorgname:	LEINBACH, CHAD
Contactphone:	919-545-0630	Contactaddress1:	1284 WINDY RIDGE ROAD
Contactaddress2:	Not Reported	Contactcity:	CHAPEL HILL
Contactstate:	NC	Contactzip:	27517
Pwsactivitycode:	A		
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	corrosion control
Trtprocess:	ph adjustment, post	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	iron removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
Pwsid:	NC0368465	Facid:	4485
Facname:	TREATMENT_PLT_PLANT #1	Factype:	Treatment_plant
Facactivitycode:	A	Trtobjective:	manganese removal
Trtprocess:	filtration, pressure sand	Factypecode:	TP
PWS ID:	NC0368465	PWS type:	System Owner/Responsible Party
PWS name:	ARCHIE GOSS OR MANAGER NOW		
PWS address:	Not Reported	PWS city:	DURHAM

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS state:	NC	PWS zip:	27705
PWS ID:	NC0368465	PWS type:	System Owner/Responsible Party
PWS name:	CAROLINA FRIENDS SCHOOL INC		
PWS address:	Not Reported	PWS city:	DURHAM
PWS state:	NC	PWS zip:	27705
PWS name:	CAROLINA FRIENDS SCHOOL	PWS type code:	NTNC
Retail population served:	430	Contact:	GOSS, BILL
Contact address:	PO BOX 15156	Contact address:	DURHAM
Contact city:	NC	Contact state:	27
Contact zip:	919-477-32	Contact telephone:	Not Reported
PWS ID:	NC0368465	Activity status:	Active
Date system activated:	8702	Date system deactivated:	Not Reported
Retail population:	00000400	System name:	CAROLINA FRIENDS SCHOOL
System address:	Not Reported	System city:	DURHAM
System state:	NC	System zip:	27705
County FIPS:	068	City served:	DURHAM
Population served:	101 - 500 Persons	Treatment:	Treated
Latitude:	355938	Longitude:	0785356
Latitude:	355500	Longitude:	0790500
Violation id:	1004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2298	Contamination Name:	Bis(2-ethylhexyl) phthalate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2274	Contamination Name:	HEXACHLOROBENZENE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2110	Contamination Name:	2,4,5-TP
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2105	Contamination Name:	2,4-D
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	1404	Orig code:	S

State:	NC	Violation Year:	2001
Contamination code:	2077	Contamination Name:	Propachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2076	Contamination Name:	Butachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2070	Contamination Name:	Dieldrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2067	Contamination Name:	Heptachlor epoxide
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2066	Contamination Name:	3-Hydroxycarbofuran
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	1904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2065	Contamination Name:	Heptachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	195	Orig code:	S
State:	NC	Violation Year:	1994
Contamination code:	5000	Contamination Name:	Lead and Copper Rule
Violation code:	57	Violation name:	OCCT/SOWT Study/Recommendation
Rule code:	350	Rule name:	LCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/1994
Cmp edt:	Not Reported		

Violation id:	2004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2051	Contamination Name:	LASSO
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2050	Contamination Name:	Atrazine
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2047	Contamination Name:	Aldicarb
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2046	Contamination Name:	Carbofuran
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2045	Contamination Name:	Metolachlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2044	Contamination Name:	Aldicarb sulfone
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2043	Contamination Name:	Aldicarb sulfoxide
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2042	Contamination Name:	Hexachlorocyclopentadiene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2041	Contamination Name:	Dinoseb
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	2904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2040	Contamination Name:	Picloram
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2037	Contamination Name:	Simazine
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	301	Orig code:	S
State:	NC	Violation Year:	2000
Contamination code:	3100	Contamination Name:	Coliform (TCR)
Violation code:	25	Violation name:	Monitoring, Repeat Major (TCR)
Rule code:	110	Rule name:	TCR
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	08/01/2000
Cmp edt:	08/31/2000		

Violation id:	3104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2036	Contamination Name:	OXAMYL
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2035	Contamination Name:	Di(2-ethylhexyl) adipate
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3304	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2031	Contamination Name:	Dalapon
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2022	Contamination Name:	Methomyl
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2021	Contamination Name:	Carbaryl
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2020	Contamination Name:	Toxaphene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2015	Contamination Name:	Methoxychlor
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2010	Contamination Name:	BHC-GAMMA
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	3904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2005	Contamination Name:	Endrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4004	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2946	Contamination Name:	ETHYLENE DIBROMIDE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	404	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2959	Contamination Name:	Chlordane
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4104	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2595	Contamination Name:	Metribuzin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	4204	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2383		
Contamination Name:	Total Polychlorinated Biphenyls (PCB)		
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	504	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2356	Contamination Name:	Aldrin
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	604	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2440	Contamination Name:	Dicamba
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	500	Rule name:	Not Regulated
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		

Violation id:	704	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2931	Contamination Name:	1,2-DIBROMO-3-CHLOROPROPANE
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001

Cmp edt:	12/31/2003		
Violation id:	804	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2326	Contamination Name:	Pentachlorophenol
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation id:	904	Orig code:	S
State:	NC	Violation Year:	2001
Contamination code:	2306	Contamination Name:	Benzo(a)pyrene
Violation code:	03	Violation name:	Monitoring, Regular
Rule code:	320	Rule name:	SOC
Violation measur:	Not Reported	Unit of measure:	Not Reported
State mcl:	Not Reported	Cmp bdt:	01/01/2001
Cmp edt:	12/31/2003		
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal

Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved		
Enforcement Category:	Resolving		
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	1804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	1904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	195	Orig Code:	S
Enforcemnt FY:	2010	Enforcement Action:	07/15/2010
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	195	Orig Code:	S

Enforcemnt FY:	2010	Enforcement Action:	07/15/2010
Enforcement Detail:	St Intentional no-action	Enforcement Category:	Resolving
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/07/2000
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2006	Enforcement Action:	01/23/2006
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	200	Orig Code:	S
Enforcemnt FY:	2000	Enforcement Action:	03/07/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	2804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	2904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	3004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/05/2000
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	10/05/2000
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	301	Orig Code:	S
Enforcemnt FY:	2001	Enforcement Action:	03/31/2001
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3304	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004

Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving

Violation ID:	3704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	3904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4004	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004

Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	404	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4104	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	4204	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	504	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal

Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	604	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	704	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	804	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Formal NOV issued	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	02/09/2004
Enforcement Detail:	St Compliance achieved	Enforcement Category:	Resolving
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/31/2004
Enforcement Detail:	St Public Notif received	Enforcement Category:	Informal
Violation ID:	904	Orig Code:	S
Enforcemnt FY:	2004	Enforcement Action:	03/22/2004
Enforcement Detail:	St Public Notif requested	Enforcement Category:	Informal

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3804
Contaminant:	BHC-GAMMA (LINDANE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3904
Contaminant:	ENDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4004
Contaminant:	ETHYLENE DIBROMIDE (EDB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	404
Contaminant:	CHLORDANE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4104
Contaminant:	METRIBUZIN (SENCOR)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	4204
Contaminant:	TOTAL POLYCHLORINATED BIPHENYLS (PCB)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00

Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	504
Contaminant:	ALDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	604
Contaminant:	DICAMBA	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		

Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	704
Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	804
Contaminant:	PENTACHLOROPHENOL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	904
Contaminant:	BENZO (A) PYRENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	2/9/2004 0:00:00
Enforcement action:	State Compliance Achieved	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Formal NOV Issued	Violation measurement:	Not Reported

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/22/2004 0:00:00
Enforcement action:	State Public Notif Requested		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1004
Contaminant:	BIS (2-ETHYLHEXYL) PHTHALATE		
Violation type:	3	Compliance start date:	1/1/2001 0:00:00
Compliance end date:	12/31/2003 0:00:00	Enforcement date:	3/31/2004 0:00:00
Enforcement action:	State Public Notif Received		
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1104
Contaminant:	HEXACHLOROBENZENE (HCB)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00

Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1204
Contaminant:	2,4,5-TP (SILVEX)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1304
Contaminant:	2,4-D	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		
PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3

Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1404
Contaminant:	PROPACHLOR (RAMROD)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1504
Contaminant:	BUTACHLOR (MACHETE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604

Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1604
Contaminant:	DIELDRIN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1704
Contaminant:	HEPTACHLOR EPOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430

PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1804
Contaminant:	3-HYDROXYCARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	1904
Contaminant:	HEPTACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	195
Contaminant:	LEAD & COPPER RULE	Violation type:	OCCT Study Recommendation
Compliance start date:	1/1/1994 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	8/30/1995 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	195
Contaminant:	LEAD & COPPER RULE	Violation type:	OCCT Study Recommendation
Compliance start date:	1/1/1994 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	8/30/1995 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2004
Contaminant:	ALACHLOR (LASSO)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2104
Contaminant:	ATRAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2204
Contaminant:	ALDICARB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2304
Contaminant:	CARBOFURAN	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2404
Contaminant:	METOLACHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2504
Contaminant:	ALDICARB SULFONE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2604
Contaminant:	ALDICARB SULFOXIDE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2704
Contaminant:	HEXACHLOROCYCLOPENTADIENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2804
Contaminant:	DINOSEB	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	2904
Contaminant:	PICLORAM	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3004
Contaminant:	SIMAZINE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	10/5/2000 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	10/5/2000 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	301
Contaminant:	COLIFORM (TCR)	Violation type:	Monitoring, Repeat Major (TCR)
Compliance start date:	8/1/2000 0:00:00	Compliance end date:	8/31/2000 0:00:00
Enforcement date:	3/31/2001 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3104
Contaminant:	OXAMYL (VYDATE)	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3204
Contaminant:	DI (2-ETHYLHEXYL) ADIPATE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3304
Contaminant:	DALAPON	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3404
Contaminant:	METHOMYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3448010
Contaminant:	7500	Violation type:	76
Compliance start date:	12/8/2007 0:00:00	Compliance end date:	12/31/2025 0:00:00
Enforcement date:	No Enf Action as of	Enforcement action:	7/8/2009 0:00:00
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3504
Contaminant:	CARBARYL	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Public Notif Requested
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3604
Contaminant:	TOXAPHENE	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/31/2004 0:00:00	Enforcement action:	State Public Notif Received
Violation measurement:	Not Reported		

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	2/9/2004 0:00:00	Enforcement action:	State Compliance Achieved
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

PWS name:	CAROLINA FRIENDS SCHOOL	Population served:	430
PWS type code:	NTNC	Violation ID:	3704
Contaminant:	METHOXYCHLOR	Violation type:	3
Compliance start date:	1/1/2001 0:00:00	Compliance end date:	12/31/2003 0:00:00
Enforcement date:	3/22/2004 0:00:00	Enforcement action:	State Formal NOV Issued
Violation measurement:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

NC_NHEO NC50007525

Elclass:	A	Precision1:	S
Eostat:	X	Gisid:	442955
Edr id:	NC50007525		

NC_SNHA NC10002135

Acres:	242.78	Sitename:	BOLIN CREEK
Quality type:	Not Reported	Sig:	D
Site id:	2135	Edr id:	NC10002135

NC_SNHA NC10002137

Acres:	541.36	Sitename:	UNIVERSITY LAKE SLOPES
Quality type:	Not Reported	Sig:	D
Site id:	2137	Edr id:	NC10002137

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Pathway Drive
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Inquiry Number: 7621920.2s
April 11, 2024

EDR Summary Radius Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

COORDINATES

Latitude (North):	35.9281480 - 35° 55' 41.33''
Longitude (West):	79.0844540 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200711
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CHEVRON CONSTRUCTION	200 WATERSIDE DR	EDR Hist Auto	Lower	614, 0.116, ENE
A2	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	LUST, LUST TRUST	Lower	1738, 0.329, SW
A3	RESNICK PROPERTY, JA	904 HILLSBOROUGH ROA	IMD	Lower	1738, 0.329, SW
B4	CLARENCE & MARGY MCF	703 HILLSBOROUGH ROA	LUST, INST CONTROL	Lower	1883, 0.357, SSW
B5	HARWARD PROPERTY (SH	1802 N. GREENSBORO S	LUST, LUST TRUST	Lower	1923, 0.364, South
6	CHEEK RESIDENTIAL OI	100-B MILTON DR	LUST, LUST TRUST	Lower	2271, 0.430, SSE
7	BROWNING PROPERTY	105 SIMPSON STREET	LUST, LUST TRUST	Lower	2338, 0.443, SSW
C8	PHILIP EASLER RESIDE	103 PHIPPS ST	LUST, ASBESTOS	Lower	2557, 0.484, SSW
C9	REDFOOT PROPERTY, RI	105 PHIPPS STREET	LUST, LUST TRUST, INST CONTROL	Lower	2573, 0.487, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

LUST: A review of the LUST list, as provided by EDR, and dated 10/27/2023 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Incident Phase: CO Incident Number: 26807 Current Status: File Located in Archives	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
CLARENCE & MARGY MCF Incident Phase: CO Incident Number: 46238 Current Status: File Located in House	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***8***
HARWARD PROPERTY (SH Incident Phase: CO Incident Number: 33499 Current Status: File Located in Archives	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***8***
CHEEK RESIDENTIAL OI Incident Phase: CO Incident Number: 33917 Current Status: File Located in House	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***9***
BROWNING PROPERTY Incident Phase: CO Incident Number: 39421 Current Status: File Located in House	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***9***
PHILIP EASLER RESIDE Incident Number: 46383 Current Status: File Located in House	***103 PHIPPS ST***	***SSW 1/4 - 1/2 (0.484 mi.)***	***C8***	***9***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

EXECUTIVE SUMMARY

Incident Phase: CO
Incident Number: 39529
Current Status: File Located in House

LUST TRUST: A review of the LUST TRUST list, as provided by EDR, and dated 01/02/2024 has revealed that there are 5 LUST TRUST sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Site ID: 26807	***904 HILLSBOROUGH ROA***	***SW 1/4 - 1/2 (0.329 mi.)***	***A2***	***8***
HARWARD PROPERTY (SH Site ID: 33499	***1802 N. GREENSBORO S***	***S 1/4 - 1/2 (0.364 mi.)***	***B5***	***8***
CHEEK RESIDENTIAL OI Site ID: 33917	***100-B MILTON DR***	***SSE 1/4 - 1/2 (0.430 mi.)***	***6***	***9***
BROWNING PROPERTY Site ID: 39421	***105 SIMPSON STREET***	***SSW 1/4 - 1/2 (0.443 mi.)***	***7***	***9***
REDFOOT PROPERTY, RI Site ID: 39529	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

State and tribal institutional control / engineering control registries

INST CONTROL: A review of the INST CONTROL list, as provided by EDR, and dated 12/01/2023 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CLARENCE & MARGY MCF	***703 HILLSBOROUGH ROA***	***SSW 1/4 - 1/2 (0.357 mi.)***	***B4***	***8***
REDFOOT PROPERTY, RI	***105 PHIPPS STREET***	***SSW 1/4 - 1/2 (0.487 mi.)***	***C9***	***10***

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: A review of the IMD list, as provided by EDR, and dated 10/27/2023 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
RESNICK PROPERTY, JA Facility Id: 26807	904 HILLSBOROUGH ROA	SW 1/4 - 1/2 (0.329 mi.)	A3	8

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

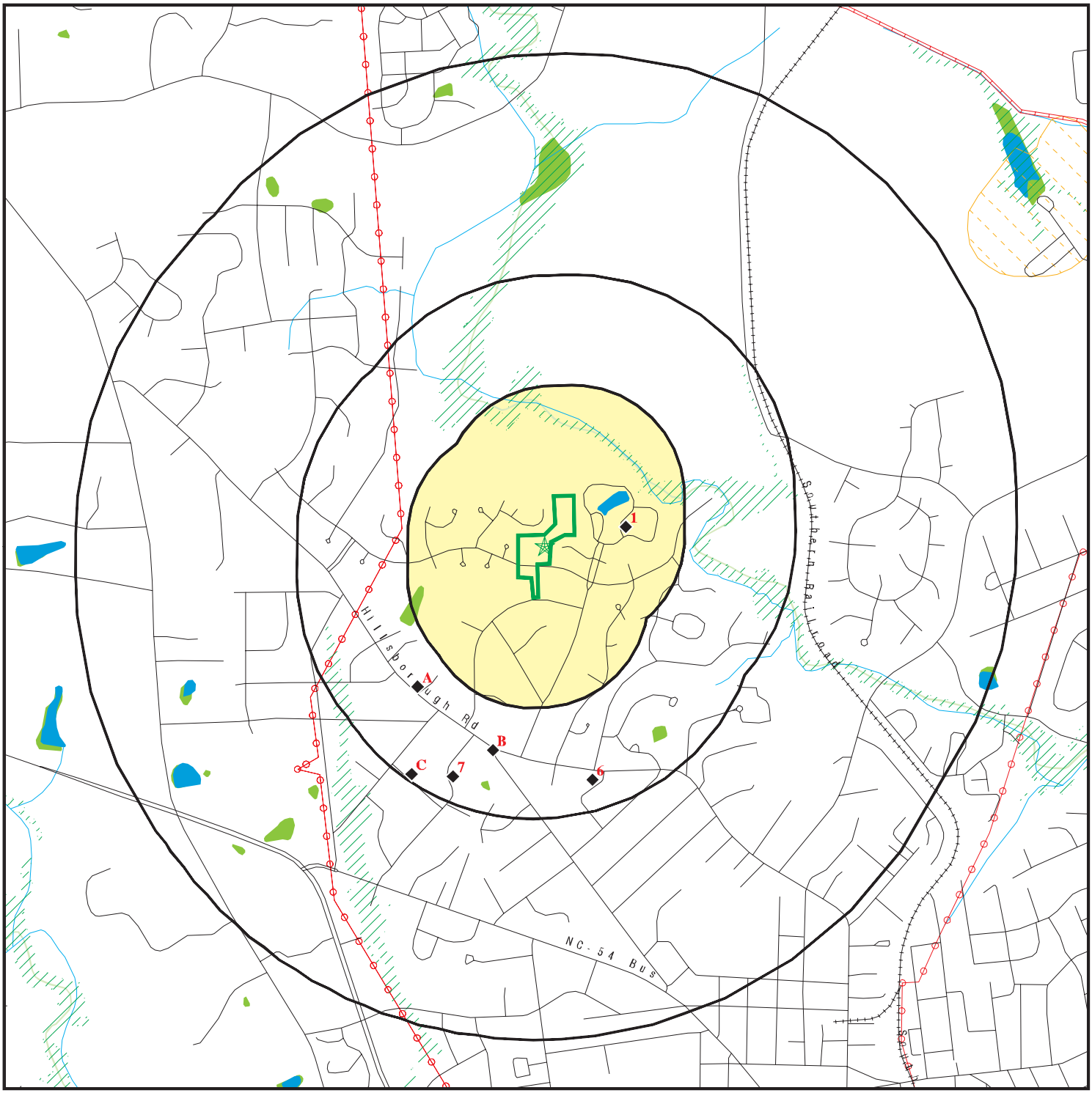
EDR Hist Auto: A review of the EDR Hist Auto list, as provided by EDR, has revealed that there is 1 EDR Hist Auto site within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHEVRON CONSTRUCTION	200 WATERSIDE DR	ENE 0 - 1/8 (0.116 mi.)	1	8

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

OVERVIEW MAP - 7621920.2S



0 1/4 1/2 1 Miles

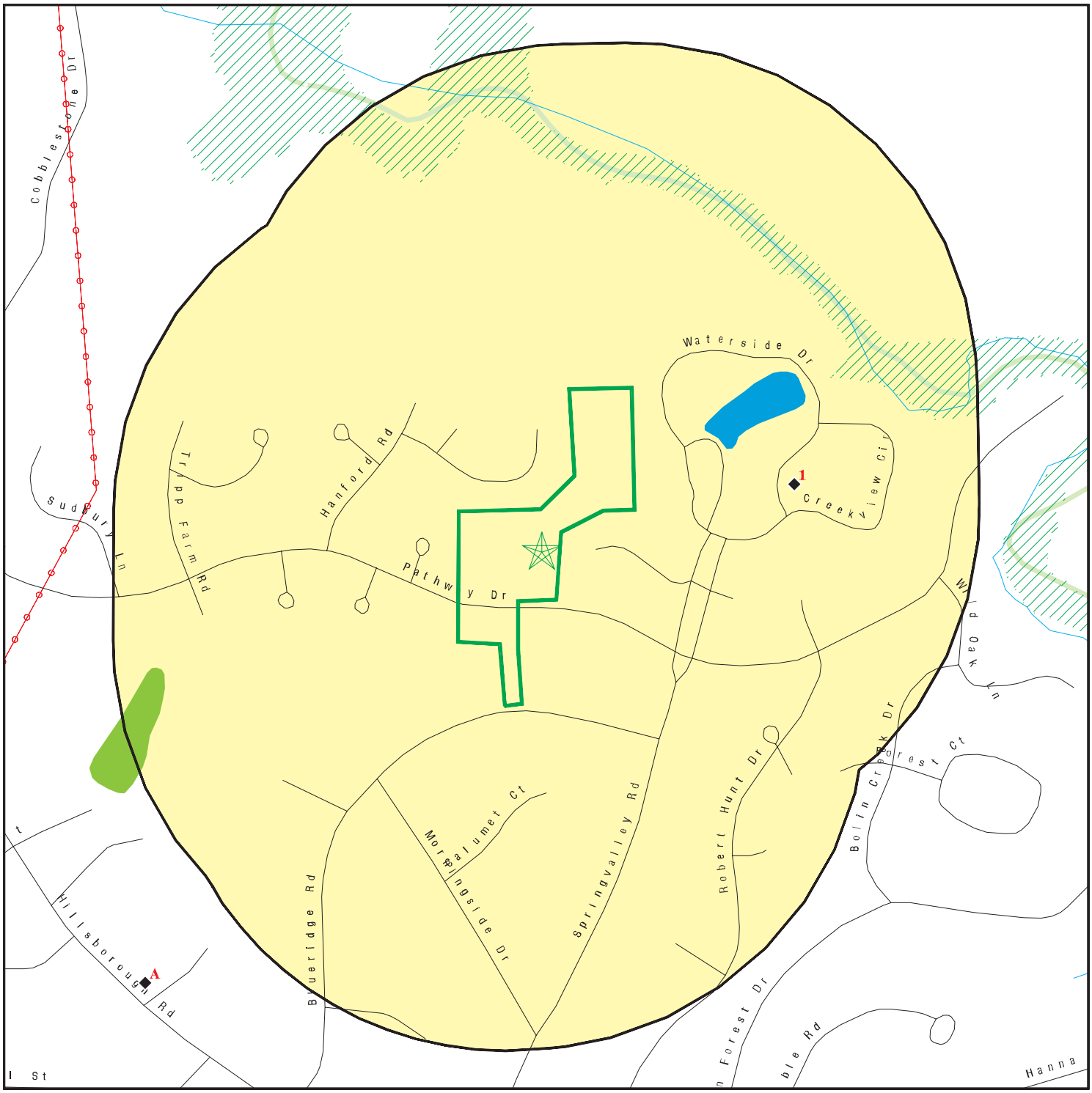
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
		INQUIRY #:	7621920.2s
LAT/LONG:	35.928148 / 79.084454	DATE:	April 11, 2024 5:11 pm

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DETAIL MAP - 7621920.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Pathway Drive	CLIENT: Summit Design & Engineering Services
ADDRESS: 1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT: Aaron Gross
LAT/LONG: 35.928148 / 79.084454	INQUIRY #: 7621920.2s DATE: April 11, 2024 5:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
NC HSDS	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
OLI	0.500		0	0	0	NR	NR	0
DEBRIS	0.500		0	0	0	NR	NR	0
LCID	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LAST	0.500		0	0	0	NR	NR	0
LUST	0.500		0	0	7	NR	NR	7
INDIAN LUST	0.500		0	0	0	NR	NR	0
LUST TRUST	0.500		0	0	5	NR	NR	5
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	2	NR	NR	2
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS	0.001		0	NR	NR	NR	NR	0
IMD	0.500		0	0	1	NR	NR	1
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
CCB	0.500		0	0	0	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PCSRP	0.500		0	0	0	NR	NR	0
SEPT HAULERS	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
AOP	0.001		0	NR	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		1	NR	NR	NR	NR	1
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	0	15	0	0	16

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
ENE
< 1/8
0.116 mi.
614 ft.

Relative:
Lower

CHEVRON CONSTRUCTION CORP
200 WATERSIDE DR
CARRBORO, NC 27510

EDR Hist Auto

1021207407
N/A

Click here for full text details

A2
SW
1/4-1/2
0.329 mi.
1738 ft.

Relative:
Lower

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC 27516

LUST
LUST TRUST

S107525976
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 26807
Current Status File Located in Archives

LUST TRUST
Site ID 26807

A3
SW
1/4-1/2
0.329 mi.
1738 ft.

Relative:
Lower

RESNICK PROPERTY, JARED
904 HILLSBOROUGH ROAD
CHAPEL HILL, NC

IMD

S106896203
N/A

Click here for full text details

IMD
Facility Id 26807

B4
SSW
1/4-1/2
0.357 mi.
1883 ft.

Relative:
Lower

CLARENCE & MARGY MCFARLING UST
703 HILLSBOROUGH ROAD
CARRBORO, NC 27510

LUST
INST CONTROL

S121425758
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 46238
Current Status File Located in House

B5
South
1/4-1/2
0.364 mi.
1923 ft.

Relative:
Lower

HARWARD PROPERTY (SHANNON)
1802 N. GREENSBORO STREET
CARRBORO, NC 27516

LUST
LUST TRUST

S109034075
N/A

Click here for full text details

LUST
Incident Phase CO

HARWARD PROPERTY (SHANNON) (Continued) **S109034075**

Incident Number 33499
Current Status File Located in Archives

LUST TRUST
Site ID 33499

6
SSE
1/4-1/2
0.430 mi.
2271 ft.

Relative:
Lower

CHEEK RESIDENTIAL OIL SPILL **LUST** **S110630013**
100-B MILTON DR **LUST TRUST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 33917
Current Status File Located in House

LUST TRUST
Site ID 33917

7
SSW
1/4-1/2
0.443 mi.
2338 ft.

Relative:
Lower

BROWNING PROPERTY **LUST** **S114020675**
105 SIMPSON STREET **LUST TRUST** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Phase CO
Incident Number 39421
Current Status File Located in House

LUST TRUST
Site ID 39421

C8
SSW
1/4-1/2
0.484 mi.
2557 ft.

Relative:
Lower

PHILIP EASLER RESIDENCE **LUST** **S123084430**
103 PHIPPS ST **ASBESTOS** **N/A**
CARRBORO, NC 27510

Click here for full text details

LUST
Incident Number 46383
Current Status File Located in House

C9
SSW
1/4-1/2
0.487 mi.
2573 ft.

Relative:
Lower

REDFOOT PROPERTY, RICHARD
105 PHIPPS STREET
CARRBORO39536, NC 27510

LUST
LUST TRUST
INST CONTROL

S116491537
N/A

Click here for full text details

LUST
Incident Phase CO
Incident Number 39529
Current Status File Located in House

LUST TRUST
Site ID 39529

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
NC	AIRS	Air Quality Permit Listing	Department of Environmental Quality	12/04/2023	12/04/2023	02/27/2024
NC	AOP	Animal Operation Permits Listing	Department of Environmental Quality	08/29/2023	08/31/2023	11/21/2023
NC	ASBESTOS	Asbestos Permits & Notifications Information	Department of Health & Human Services	01/31/2024	02/06/2024	03/11/2024
NC	AST	AST Database	Department of Environment and Natural Resourc	11/08/2023	12/06/2023	02/27/2024
NC	BROWNFIELDS	Brownfields Projects Inventory	Department of Environment and Natural Resourc	09/01/2023	09/26/2023	12/18/2023
NC	CCB	Coal Ash Structural Fills (CCB) Listing	Department of Environmental Quality	05/10/2021	07/02/2021	09/27/2021
NC	COAL ASH	Coal Ash Disposal Sites	Department of Environment & Natural Resources	12/15/2022	12/19/2022	03/15/2023
NC	DEBRIS	Solid Waste Active Disaster Debris Sites Listing	Department of Environmental Quality	12/07/2023	12/07/2023	02/29/2024
NC	DRYCLEANERS	Drycleaning Sites	Department of Environment & Natural Resources	12/05/2023	12/07/2023	03/05/2024
NC	Financial Assurance 1	Financial Assurance Information Listing	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	Financial Assurance 2	Financial Assurance Information Listing	Department of Environmental & Natural Resourc	10/02/2012	10/03/2012	10/26/2012
NC	Financial Assurance 3	Financial Assurance Information	Department of Environment & Natural Resources	09/28/2023	09/28/2023	10/02/2023
NC	HIST LF	Solid Waste Facility Listing	Department of Environment & Natural Resource	11/06/2006	02/13/2007	03/02/2007
NC	HSDS	Hazardous Substance Disposal Site	North Carolina Center for Geographic Informat	08/09/2011	11/08/2011	12/05/2011
NC	IMD	Incident Management Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	INST CONTROL	No Further Action Sites With Land Use Restrictions Monitorin	Department of Environmental Quality	12/01/2023	12/05/2023	02/29/2024
NC	LAST	Leaking Aboveground Storage Tanks	Department of Environment & Natural Resources	10/27/2023	11/02/2023	01/26/2024
NC	LCID	Land-Clearing and Inert Debris (LCID) Landfill Notifications	Department of Environmental Quality	11/30/2023	01/03/2024	03/22/2024
NC	LUST	Regional UST Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	LUST TRUST	State Trust Fund Database	Department of Environment and Natural Resourc	01/02/2024	01/03/2024	03/22/2024
NC	NPDES	NPDES Facility Location Listing	Department of Environment & Natural Resources	01/02/2024	01/24/2024	04/10/2024
NC	OLI	Old Landfill Inventory	Department of Environment & Natural Resources	12/07/2023	01/03/2024	03/22/2024
NC	PCSRP	Petroleum-Contaminated Soil Remediation Permits	Department of Environmental Quality	08/18/2022	10/03/2022	12/16/2022
NC	PFAS	PFAS Contamination Site Listing	Department of Environmental Quality	05/18/2022	05/18/2022	08/08/2022
NC	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environment, Health and Natural		07/01/2013	12/24/2013
NC	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environment, Health and Natural		07/01/2013	01/13/2014
NC	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environment, Health and Natural		07/01/2013	12/20/2013
NC	SEPT HAULERS	Permitted Septage Haulers Listing	Department of Environmental Quality	12/09/2023	01/03/2024	03/22/2024
NC	SHWS	Inactive Hazardous Sites Inventory	Department of Environment, Health and Natural	12/01/2023	12/05/2023	02/28/2024
NC	SPILLS	Spills Incident Listing	Department of Environment & Natural Resources	10/28/2023	12/22/2023	01/08/2024
NC	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	06/14/2001	01/03/2013	03/06/2013
NC	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	09/27/2012	01/03/2013	03/06/2013
NC	SWF/LF	List of Solid Waste Facilities	Department of Environment and Natural Resourc	12/15/2022	12/19/2022	03/15/2023
NC	SWRCY	Recycling Center Listing	Department of Environment & Natural Resources	01/31/2022	02/02/2022	04/29/2022
NC	UIC	Underground Injection Wells Listing	Department of Environment & Natural Resources	09/25/2023	11/27/2023	02/21/2024
NC	UST	Petroleum Underground Storage Tank Database	Department of Environment and Natural Resourc	10/27/2023	11/02/2023	01/26/2024
NC	VCP	Responsible Party Voluntary Action Sites	Department of Environment and Natural Resourc	12/01/2023	12/05/2023	02/29/2024
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	11/28/2023	11/29/2023	12/11/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	12/31/2023	01/03/2024	01/16/2024
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2022	11/27/2023	02/22/2024
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2023	01/11/2024	01/16/2024
US	CORRACTS	Corrective Action Report	EPA	12/04/2023	12/06/2023	12/12/2023
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	02/29/2024	03/01/2024	03/27/2024
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/17/2023	12/28/2023	03/04/2024
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/12/2023	12/13/2023	02/28/2024
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	12/20/2023	12/20/2023	01/24/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	11/16/2023	11/16/2023	02/13/2024
US	FINDS	Facility Index System/Facility Registry System	EPA	11/03/2023	11/08/2023	11/20/2023
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	01/30/2024	02/13/2024	04/04/2024
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/12/2024	02/13/2024	04/04/2024
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/12/2023	12/13/2023	02/28/2024
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/04/2023	01/17/2024	03/13/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/25/2023	01/17/2024	03/13/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/25/2023	01/17/2024	03/13/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/17/2023	01/17/2024	03/13/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/24/2023	01/17/2024	03/13/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/24/2023	01/17/2024	03/13/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	02/29/2024	03/01/2024	03/27/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	LUCIS	Land Use Control Information System	Department of the Navy	02/14/2024	02/16/2024	04/04/2024
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	01/02/2024	01/03/2024	01/04/2024
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	01/02/2024	01/16/2024	03/13/2024
US	NPL	National Priority List	EPA	02/29/2024	03/01/2024	03/27/2024
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	03/20/2023	04/04/2023	06/09/2023
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/28/2023	12/28/2023	01/04/2024
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/28/2023	12/28/2023	03/04/2024
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	02/29/2024	03/01/2024	03/27/2024
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	12/04/2023	12/06/2023	12/12/2023
US	RMP	Risk Management Plans	Environmental Protection Agency	02/01/2024	02/08/2024	04/04/2024
US	ROD	Records Of Decision	EPA	02/29/2024	03/01/2024	03/27/2024
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	01/29/2024	02/01/2024	02/22/2024
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/29/2024	02/01/2024	02/22/2024
US	SSTS	Section 7 Tracking Systems	EPA	01/16/2024	01/17/2024	03/27/2024
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2022	11/13/2023	02/07/2024
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	08/15/2023	08/30/2023	12/01/2023
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	12/11/2023	12/13/2023	02/28/2024
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	12/31/2023	02/21/2024	04/04/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/13/2024	02/21/2024	04/04/2024
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/05/2024	02/21/2024	04/04/2024
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/06/2023	11/07/2023	01/31/2024
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
NC	Daycare Centers	Sensitive Receptor: Child Care Facility List	Department of Health & Human Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
NC	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

PATHWAY DRIVE
1814 & 1816 PATHWAY DR
CARRBORO, NC 27510

TARGET PROPERTY COORDINATES

Latitude (North):	35.928148 - 35° 55' 41.33''
Longitude (West):	79.084454 - 79° 5' 4.03''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	672814.3
UTM Y (Meters):	3977474.2
Elevation:	488 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50021266 CHAPEL HILL, NC
Version Date:	2022

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

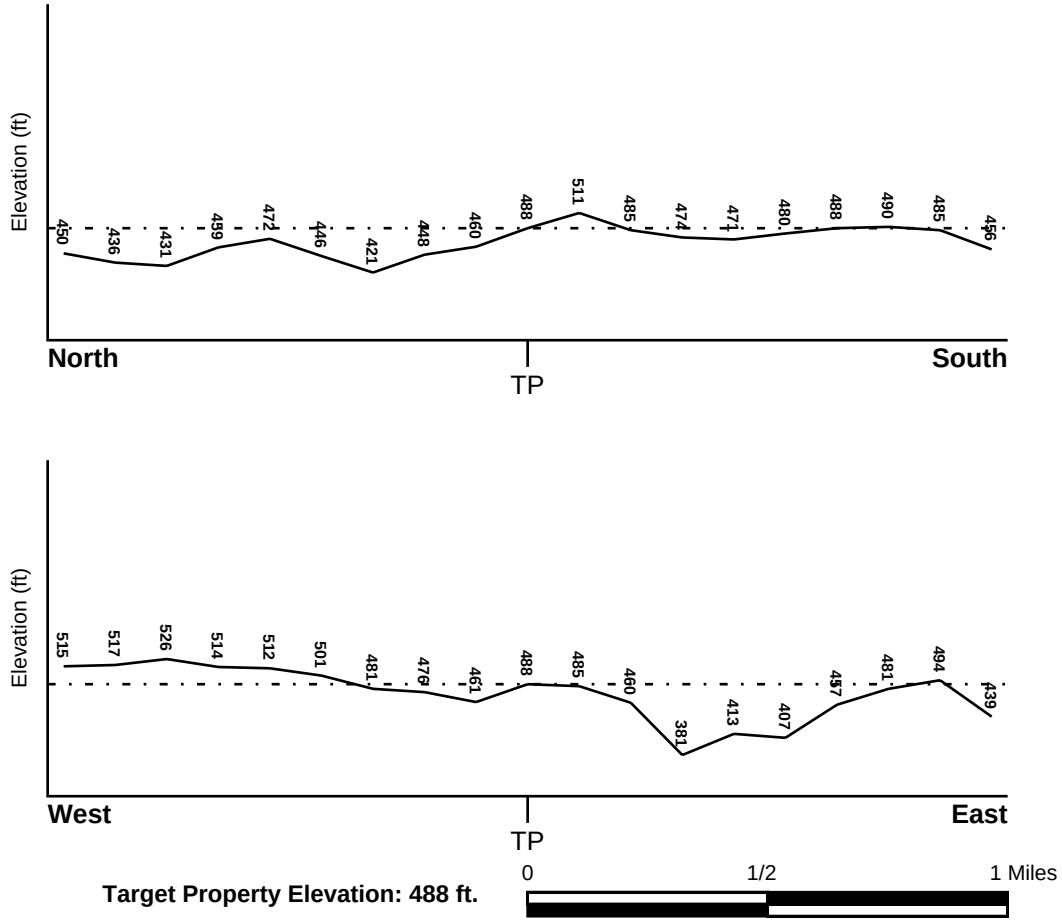
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3710977900J	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
3710978900J	FEMA FIRM Flood data
3710976900J	FEMA FIRM Flood data
3710977800J	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CHAPEL HILL	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

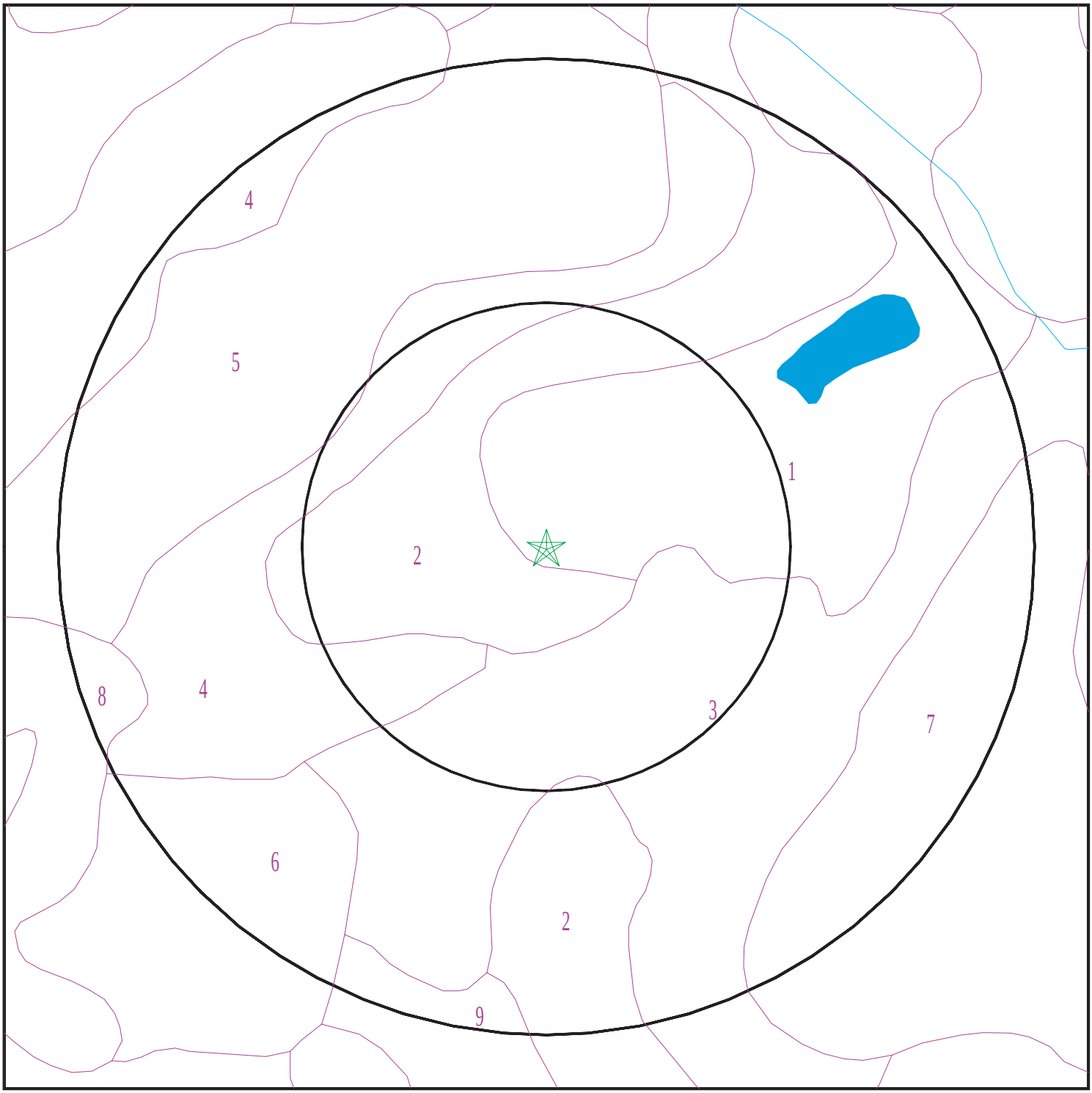
Era:	Paleozoic
System:	Ordovian
Series:	Lower Paleozoic granitic rocks
Code:	Pzg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7621920.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Goldston

Soil Surface Texture: channery silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	channery silt loam	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
2	7 inches	18 inches		Not reported	Not reported	Max: 14 Min: 0	Max: Min:
3	18 inches	25 inches	weathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:
4	25 inches	29 inches	unweathered bedrock	Not reported	Not reported	Max: 14 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: Tatum

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	5 inches	53 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	53 inches	62 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	5 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	35 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 4

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 5

Soil Component Name: Enon

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
2	7 inches	11 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
3	11 inches	33 inches		Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1
4	33 inches	74 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 1.4	Max: 7.8 Min: 6.1

Soil Map ID: 6

Soil Component Name: Herndon

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
2	38 inches	44 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
3	44 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
4	3 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6
5	7 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 3.6

Soil Map ID: 7

Soil Component Name: Georgeville

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	61 inches	78 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

Soil Map ID: 8

Soil Component Name: Orange

Soil Surface Texture: silt loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 127 inches

Depth to Watertable Min: > 61 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
2	5 inches	24 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
3	24 inches	42 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:
4	42 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0.01	Max: Min:

Soil Map ID: 9

Soil Component Name: Lignum

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 53 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
2	1 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
3	11 inches	38 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
4	38 inches	55 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:
5	55 inches	78 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 14 Min: 0	Max: Min:

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000891839	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
2	NC0368465	1/2 - 1 Mile South

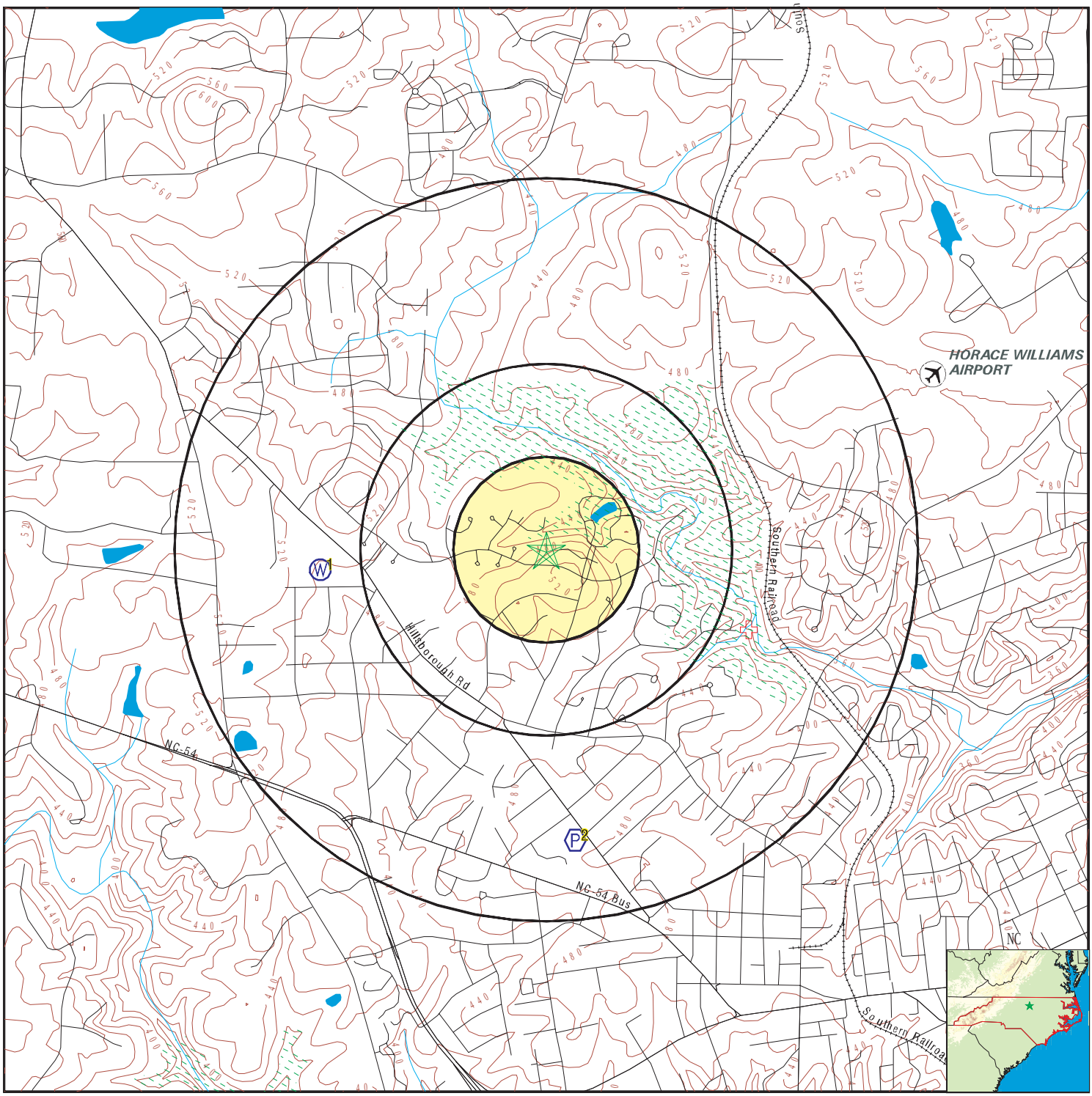
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

PHYSICAL SETTING SOURCE MAP - 7621920.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Wildlife Areas
- Natural Areas
- Rare & Endangered Species

SITE NAME:	Pathway Drive	CLIENT:	Summit Design & Engineering Services
ADDRESS:	1814 & 1816 PATHWAY DR CARRBORO NC 27510	CONTACT:	Aaron Gross
LAT/LONG:	35.928148 / 79.084454	INQUIRY #:	7621920.2s
		DATE:	April 11, 2024 5:13 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 West 1/2 - 1 Mile Higher	**Click here for full text details**	**FED USGS**	**USGS40000891839**
2 South 1/2 - 1 Mile Lower	**Click here for full text details**	**FRDS PWS**	**NC0368465**
	Click here for full text details	**NC_NHEO**	**NC50007525**
	Click here for full text details	**NC_SNHA**	**NC10002135**
	Click here for full text details	**NC_SNHA**	**NC10002137**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for ORANGE County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 27510

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: US Fish & Wildlife Service
Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

North Carolina Wildlife Resources/Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Natural Heritage Occurrence Sites Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic) that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or high quality natural communities, or other important ecological features.

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Appendix E:

Regulatory File Review

No documents have been associated with this appendix.

Appendix F:

Vapor Encroachment Evaluation

No documents have been associated with this appendix.

Appendix G:

Qualifications

FIRM:
Summit Design and Engineering Services, PLLC

Aaron Gross, P.G.
Geotechnical Engineering

Education
B.S., Geology
The University of North Carolina at Chapel Hill, 2015

Professional Registrations
Licensed Geologist,
North Carolina
License No. 2620

Professional Affiliations
The Geological Society of America (GSA)

Association of Environmental & Engineering Geologists (AEG)

Location
320 Executive Ct
Hillsborough, NC 27278

Phone Number
919-732-3883

Email Address
Aaron.Gross@summitde.com

Work History
Summit Design and Engineering Services, PLLC., Field Geologist
2016 – Present

Land Environmental Group, Environmental Assistant
2014 – 2015

Aaron Gross, P.G.
Senior Geologist

Mr. Gross has over five years of geotechnical investigations, geotechnical engineering, and environmental consulting experience. He is a licensed Professional Geologist in North Carolina. Mr. Gross is an experienced and well-rounded geologist consulting on both geotechnical and environmental projects throughout his career.

Representative Environmental Projects

- CA Ventures - Site 2 – 9 contiguous parcels totaling approximately 2.5-acres located on Hillsborough Street in Raleigh, North Carolina. An urban setting near North Carolina State University in an area with an extensive history of environmental contamination from past commercial and industrial activities. The area is currently being redeveloped for student housing, upscale shopping, and hotels under numerous Brownfield grants. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- Daniel Boone Village – 2 contiguous parcels totaling almost 60-acres located in Hillsborough, North Carolina. A large and complex site with unique historical usage. It was developed into an amusement park in the 1960s and later transitioned into a commercial shopping center. The parcel is currently being redeveloped for housing, hotel, and retail shopping. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- River Village – 130-acre parcel located in Burlington, North Carolina. The mostly undeveloped property along the Haw River was planned to be developed into a new residential subdivision. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site, which uncovered the presence of a Pre-Regulatory Landfill partially on the property.

- 1201 & 1211 North Mineral Springs Road – 2 contiguous parcels totaling approximately 12.5-acres located just outside of Durham, North Carolina. The site was planned to be redeveloped for a residential subdivision. The current tenant of the property was running an auto restoration business with over 50 vehicles present on the site. A large construction debris landfill was present on the site as well. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

- 7501 & 7543 Mallard Creek Road – 2 contiguous parcels totaling approximately 6-acres located in Charlotte, North Carolina. The site was a run-down mobile home park slated for redevelopment. Mr. Gross assisted with field reconnaissance and reporting for the Phase I Environmental Site Assessment for this site.

SUMMIT
DESIGN AND ENGINEERING SERVICES

Appendix H:

Additional Documentation

ASTM E1527-13 USER QUESTIONNAIRE

User - the party seeking to use Practice E1527 to complete an environmental site assessment of the property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the *User* must conduct the following inquires required by 40 CFR 312.25, 312.28, 312.29, 312.30 and 312.31. The *User* should provide the following information to the Environmental Professional (EP). Failure to conduct these inquires could result in a determination that "all appropriate inquiries" is not complete.

This questionnaire should be completed and signed by the *User,* or a designated representative of the *User* who is familiar with the subject property. Please complete and return this questionnaire as soon as possible to Aaron Gross, P.G. at Aaron.Gross@summitde.com.

Subject Property Name: 1814 & 1816 Pathway Drive

Subject Property Location: Carrboro, North Carolina

1. Environmental liens that are filed or recorded against the property (40 CFR 312.25).
Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the subject property under federal, tribal, state, or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

2. Activity and Use Limitations (AULs) that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26).
Did a search of recorded land title records (or judicial records where appropriate) identify any AULs, such as engineering controls, land-use restrictions, or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

☐ No

☐ Yes

If yes, please explain below:

Unknown – staff checked the Orange County Register of Deeds but are unsure if there are other locations where these records might be kept.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).
Do you have any specialized knowledge or experience related to the subject property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the subject property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No

☐ Yes

If yes, please explain below:

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for the subject property reasonably reflect the fair market value? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present on the property?

☐ No

☐ Yes

If no, please explain below:
Purchase price unknown. The value of the property in 2018 was $261,728. See agenda item for more information: https://carrboro.legistar.com/View.ashx?M=F&ID=6259153&GUID=D414A9EC-6485-41ED-96DE-CA3FC140B6D4

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonably ascertainable information about the subject property that would help the EP to identify conditions indicative of releases or threatened releases? For example,

a. Do you know the past uses of the subject property?

   No

b. Do you know of specific chemicals that are present or once were present at the subject property?

   No

c. Do you know of spills or other chemical releases that have taken place at the subject property?

   No

d. Do you know of any environmental cleanups that have taken place at the subject property?

No

6. The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)
Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

☐ No

☐ Yes

If yes, please explain below:

Unknown

7. Additional *User*-Provided Information.
The following information, if available, should be provided to the EP but is not required to qualify for one of the LLPs. This information includes:

a. The reason why the Phase I ESA is being performed?

Under the Town's Land Use Ordinance, development review is conducted under a four-step process. One of these steps is identifying the primary and secondary constraints for development. Any due diligence of developing on this property would include an assessment of potential brownfields. Appendix A of the Land Use Ordinance also gives the Town the opportunity to ask for more information about the property before a development occurs.

b. The type of property and type of property transaction (sale, purchase, exchange, etc.)?

Zoning: R15, RSIR, RSIR2
Property transaction unknown

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature: _____

Date: 5-3-24

PHASE I ESA - STANDARD INTERVIEW FORM

Subject Property: 1814 & 1816 Pathway Drive, Carrboro NC

Interviewer: Aaron Gross, PG

Interviewee: Martin Roupe, Laura Janway

Date of Interview: 5-3-24

1) What is your relationship to the subject property? (Owner, Tenant, Neighbor, Caretaker, Etc.)

Owner

2) How long have you owned or had knowledge of the subject property?

Owned since 1985

3) To the best of your knowledge, what is the current use of the subject property?

None

4) To the best of your knowledge, can you provide a brief history of the subject property and its uses?

Unknown

5) If applicable, please provide a brief list of any current structures or that may have historically been present on the subject property (ex. buildings, homes, barns, storage sheds, etc.) and approximately when they were constructed.

Unknown

6) If applicable, and to the best of your knowledge, what are the methods of heating the structures currently present on the subject property? Past methods of heating historical structures?

N/A

7) If not already indicated above, have there ever been any heating oil Underground Storage Tanks (USTs) or Above-Ground Storage Tanks (ASTs) in use on the subject property?

Unknown

8) To the best of your knowledge, are there currently, or have there ever been, any other types of USTs or ASTs present on the subject property? If so, what were they storing?

Unknown

9) Are you aware of any past or current handling of hazardous substances or petroleum products on the subject property?

No

10) To the best of your knowledge, are there any water wells on the subject property? If so, have there ever been any contamination issues associated with the wells?

Unknown

11) To the best of your knowledge, are there any septic systems present on the subject property? If so, have there ever been any incidents or spills associated with the septic systems?

Unknown

12) Are you aware of any dumping or disposal areas on the subject property? This could include trash, construction debris, fill dirt, or other debris.

No

13) Are you aware of any environmental incidents or soil or groundwater contamination on your property or on neighboring properties?

No

14) Do you have any other information that you wish to share that may be pertinent to the historical use of or related to potential environmental concerns for the subject property?

No

15) Are you aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

16) Are you aware of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property?

No

17) Are you aware of any notices from any governmental entity regarding any possible violations of environmental laws or possible liability relating to hazardous substances or petroleum products?

No

Print Name: Martin Roupe, Laura Janway

Title: Development Review Administrator, Environmental Sustainability Coordinator

Company: Town of Carrboro

Signature:

Date: 5-3-24

From: Carl Freeman
To: Aaron Gross, PG
Subject: RE: Crest Street and Pathway Drive Response Records
Date: Tuesday, May 7, 2024 2:42:30 PM
Attachments: image001.png
image002.png
image003.png
image004.png
image005.png
image006.png

Sorry for the delay I'm not aware of any of these issues on these properties. Thank you

Carl Freeman, Deputy Chief/ Fire Marshal
Carrboro Fire Rescue Department
cfreeman@townofcarrboro.org 919-918-7352

From: Aaron Gross, PG <aaron.gross@summitde.com>
Sent: Thursday, April 18, 2024 10:40 AM
To: Carl Freeman <CFreeman@carrboronc.gov>
Subject: Crest Street and Pathway Drive Response Records

Carl,

I am a geologist performing a Phase I Environmental Site Assessment for two sites in Carrboro Town Limits. The two sites include a vacant lot on Crest Street (PIN 9778899390) and three contiguous parcels on Pathway Drive (1814, 1814-A, and 1816 Pathway Drive, PIN 9779429615, 9779531130, and 9779727516, respectively). As part of the ASTM Standard, I'm required to reach out to local government officials regarding potential responses to fires, hazardous material spills, or underground storage tank closures/removals at the subject property. Does your department have any record of fire investigations at these properties, or any record of permits or inspections for underground storage tank removal at these properties? If I need to direct this email to another department or local authority, please let me know and sorry for sending this in error. Any help would be greatly appreciated, thanks for your time!

Aaron Gross, PG
Senior Geologist
Tel: 919-732-3883 x3154
Cell: 919-428-3191





Town of Carrboro, NC Website -
https://link.edgepilot.com/s/89ab13ce/GriWwAfapkCXuMoKVXIRQw?u=https://www.carrboronc.gov/

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