



**LYNX Blue Line Extension  
(Northeast Corridor)**

**Light Rail Project**

**Contract #: 08-477**

**WBS #: 6.15**

**Phase I Environmental Site Assessment  
Mallard Creek Church Station Proposed Park-and-Ride Lot**

**Prepared by:**

**STV/Ralph Whitehead Associates**

**1000 W. Morehead Street, Suite 200  
Charlotte, NC 28208**

**Prepared for:**

**City of Charlotte  
Charlotte Area Transit System**

**Project #: 2513745**

**April 23, 2009**

Rev. 00

April 23, 2009

Charlotte Area Transit System  
600 East Fourth Street  
Charlotte, North Carolina 28208

**Attention:** Kelly Goforth  
CATS Assistant Project Manager

**Subject: Phase I Environmental Site Assessment  
Mallard Creek Church Station Proposed Park-and-Ride Lot  
Mecklenburg County, North Carolina  
STV/RWA Project 2513745**

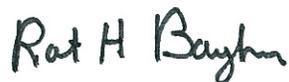
Dear Ms. Goforth:

STV/Ralph Whitehead Associates (STV/RWA) has completed the Phase I Environmental Site Assessment (ESA) for the referenced project. Our findings and conclusions are presented in the following report. The Executive Summary is presented for convenience only. While the Executive Summary is an integral part of this report, it should not be used in lieu of reading the entire report, including the Table of Contents.

We appreciate the opportunity to provide our services. If you have any questions or require additional information, please contact us.

Respectfully submitted,

**STV/Ralph Whitehead Associates**



Robert H. Baughman  
Vice President

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## EXECUTIVE SUMMARY

STV/Ralph Whitehead Associates (STV/RWA) has performed an Environmental Site Assessment (ESA) for the LYNX Blue Line Extension Northeast Corridor Light Rail Project's proposed Mallard Creek Church Station Park-and-Ride Lot site, encompassing a portion of Parcel 05102103.

The subject property is located near the intersection of Mallard Creek Church Road and Stone Quarry Road in northeastern Charlotte, North Carolina. The site parallels Stone Quarry Road and encompasses approximately 22 acres. Maps outlining the subject property boundaries are included in Appendix A.

Limited aerial photographs for the years 1968, 1973, 1988, 1996, and 2006 were reviewed as part of this assessment. The 1968 photograph shows the subject property as dense woodland with some grass areas. The surrounding area is woodland with some grassland. The property does not appear to have changed significantly from 1968 to 2006, with the exception of the diminishing of grass areas and an increase of woodland areas. The subject property is currently undeveloped woodland and has a zoning designation of INST (see Figure 2, Zoning Map, in Appendix A).

The objective of this ESA is to identify the presence of potential environmental concerns associated with the subject property resulting from its past or current uses. STV/RWA reviewed information from several environmental databases through Environmental Data Resources, Inc. (EDR) to ascertain whether activities on, or near, the subject property have a potential for Recognized Environmental Conditions (RECs) or Historical Recognized Environmental Conditions (HRECs).

This Phase I ESA has been completed in general accordance with ASTM procedure E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Any exceptions to, or deletions from, the ASTM practice are described in Section 1.0 of this report. This assessment has not revealed evidence of recognized environmental conditions or historical recognized environmental conditions in connection with the subject property, with the exception of Petro Express 57, an operating gas station that is located off the subject property but within the ASTM-recommended study area.

- Petro Express 57, located at 10000 N. Tryon Street, is listed as having had a leaking underground storage tank (LUST). Upon property transfer sampling, groundwater contamination was discovered. The incident is in the "follow-up" phase of regulatory compliance. The site is 900 feet northwest of the subject property. Natural drainage features separate the incident site from the subject property. Based on these factors, it is the opinion of STV/RWA that this site has a very low potential to adversely affect the subject property.
- Nuisance debris was observed in isolated areas in the southern half of the subject property. The debris includes domestic debris, a porcelain toilet, and several trash cans, some of which appear to contain ash (see photographs in Appendix B). Nuisance debris should be disposed of according to regulatory guidelines.

## **1.0 INTRODUCTION**

### **1.1 Purpose**

In general accordance with ASTM E 1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, the purpose of this assessment is to identify recognized environmental conditions (RECs) and historical recognized environmental conditions (HRECs). Charlotte Area Transit System (CATS) is proposing to develop the subject property as a park-and-ride lot to serve the proposed LYNX Blue Line Extension Northeast Corridor Light Rail Project. CATS has contracted the services of STV/RWA to perform a Phase I ESA to determine the likelihood of soil or groundwater contamination on, or near, the subject property.

### **1.2 Scope of Services**

The following tasks were undertaken for this ESA.

- A review of readily available project area maps, current and historical aerial photographs, topographic maps, and other historical information was performed. These sources were used by STV/RWA to ascertain subject property location, characteristics, and current and historical use.
- A review was performed of United States Environmental Protection Agency (EPA) and North Carolina Department of Environment and Natural Resources (NCDENR) maintained records/lists of known hazardous waste/toxic substance sites within the prescribed ASTM radii of the subject property. This was accomplished through information received from EDR.
- A reconnaissance of the subject property and surrounding area was conducted. STV/RWA looked for obvious evidence of existing or historical environmental concerns. Site photographs are included in Appendix B.
- A review of ownership history of the parcels comprising the subject property was performed. Special attention was given to taking note of owners who, by their business name, might indicate increased potential for environmental concern.
- Inquiries were made to appropriate government and regulatory officials regarding environmental conditions, records, violations, and/or site status.
- The compiled information was evaluated and the Phase I ESA report was prepared documenting the assessment findings, evaluations, and conclusions.

### **1.3 Limitations and Significant Assumptions**

STV/RWA has endeavored to observe that degree of care and skill in performing this assessment that is generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area. No other warranty, express or implied, is given.

In reading this report, it should be noted that others provided information used to form the report conclusions. STV/RWA assumes that the information provided by others is correct and reliable. STV/RWA assumes no responsibility for information provided by others, whether they are under contract to STV/RWA or not. As per user instructions, no interviews were conducted with current associated property owners. This constitutes a significant data gap, and may hinder the Environmental Professional's ability to ascertain environmental conditions, such as those known only to the owner of the property on which they occurred.

STV/RWA cannot state that hazardous or toxic materials have not affected the subject property, or other latent conditions, beyond those noted by its personnel during performance of this assessment and disclosed within this report. Sites with prior remedial work may, or may not, have been documented or remediated to current standards. STV/RWA cannot warrant that past environmental conditions are not present on the subject property from undocumented or poorly remediated incidents. These findings apply only to the time during which the individual components of this assessment were performed. Therefore, subsequent changes in land use or other activities on, or near, the subject property could invalidate these findings.

### **1.4 User Reliance**

This report is an instrument of the services of STV/RWA and was prepared and intended for the exclusive use of CATS and the City of Charlotte. Other parties who wish to rely on this report, except for informational purposes, may do so only through express written permission of STV/RWA.

## **2.0 SITE DESCRIPTION**

### **2.1 Site Location**

The subject property is north of Stone Quarry Road, near the intersection of Mallard Creek Church Road in northeastern Charlotte, North Carolina. The subject property is an approximately 22-acre portion of Parcel 05102103. Maps showing topography, zoning and recent conditions of the subject property are included in Appendix A.

Based on review of topographic maps, the topographic relief across the subject property is identified as approximately 63 feet (585 feet to 648 feet above Mean Sea Level) with the highest elevation at a hilltop in the southeast corner of the subject property. Topography generally slopes downward to the west. A Topographic Map is included in Appendix A as Figure 1.

According to the Mecklenburg County GIS Zoning Map, the zoning designation in the area is INST Institutional. The surrounding areas include a mix of Residential and Industrial Districts. A Zoning Map is included in Appendix A as Figure 2.

There are no significant roads, structures, or other on-site improvements present. An Aerial Photograph, dated 2007, is included in Appendix A as Figure 3.

No natural bodies of water were observed on the subject property. Near the center of the property there are drainage features that flow west toward an off-site unnamed pond.

According to the February 2004 FEMA Flood Panel #37119C0129E, the subject property is largely within the Zone X (Areas determined to be outside the 0.2% annual chance floodplain). Around the west, north, and east perimeter of the subject property there are significant future Zone X and Zone AE areas. Future Zone X encompasses areas likely to become part of the 1% annual chance flood. Zone AE constitutes areas subject to inundation by the 1% annual chance flood event determined by detailed methods. Base Flood Elevations are shown within this zone. Mandatory flood insurance purchase requirements apply.

Fill soils and excavated soils are not anticipated in the subject property.

According to the USDA Natural Resources Conservation Service National Cooperative Soil Survey for Mecklenburg County, North Carolina, the predominant soil types at the subject property are identified as the "Enon" soil series. A copy of the soil report for the property is included in Appendix C (Geocheck- Physical Setting Source Addendum).

The 1996 Geologic Map of North Carolina, prepared by the North Carolina Geological Survey, indicates that the subject property is in the Piedmont physiographic region and underlain by intrusive rock from the Late Proterozoic to Middle Paleozoic period.

Duke Energy Corporation provides electricity to the local area. There are no pole-mounted transformers on the subject property. AT&T telecommunications provides telephone services to the local area.

According to Charlotte Mecklenburg Utilities, the subject property is served by municipal water, but not by municipal sewer services.

No septic tanks, leach fields, or vent or fill pipes were observed during site reconnaissance.

## **2.2 Past Uses of the Subject Property**

Information concerning the past usage of the subject property and adjoining properties was obtained in part by reviewing historical aerial photographs supplied by Environmental Data Resources, Inc. (EDR). Limited aerial photographs for the years 1968, 1973, 1988, 1996, and 2006 were reviewed. The 1968 photograph shows the subject property as dense woodland with some grass areas. The surrounding area is woodland, with some grassland. Observable over the course of the photographs reviewed from 1968 through 2006 is a

significant diminishing of the grass areas and increase of woodland areas on the subject property. The subject property is currently undeveloped woodland.

### 3.0 USER PROVIDED INFORMATION

- The user of this report (Charlotte Area Transit System) provided STV/RWA with the project limits and scope of services. The user gave no title record information pertaining to the subject property. The User Questionnaire was completed by Mr. David Wolfe, P.E., of the City of Charlotte Engineering and Property Management.
- No information regarding environmental liens was given to STV/RWA during the performance of this Phase I ESA.
- No specialized knowledge of the subject property was given to STV/RWA by CATS or by the City of Charlotte.
- The user gave no indication of contamination on the subject property from current or historical uses.
- No owner questionnaire was performed for this assessment. As per user instructions, no interviews were conducted with associated property owners and a limited number of public officials were consulted.

#### 3.1 Ownership History

STV/RWA personnel reviewed a portion of the ownership records of the subject property at the Mecklenburg County Register of Deeds. The review was done to help reveal indications of past owners who, by their business name, might be suspected of using or depositing hazardous materials on the subject property. Based on the records that were reviewed, current and previous owners of the subject property are listed below in Table 1.

**Table 1:**  
**Parcel 05102103 Site Ownership**

<b>Parcel: 05102103; Current Owner: State of North Carolina</b>		
<b>Grantor</b>	<b>Grantee</b>	<b>Deed Date</b>
County of Mecklenburg	State of North Carolina	3/25/82
Foundation of the University of North Carolina at Charlotte, inc.	County of Mecklenburg	3/25/82
James W. and Nancy B. Kirk, et al	Foundation of the University of North Carolina at Charlotte, inc.	8/3/81
Jennie K. Foster (widow), et al	James W. and Nancy B. Kirk, et al	5/2/55
B.T. and Myrtle Garrison, et al	W.C.C. and Jennie K. Foster, et al	7/21/27

## 4.0 RECORDS REVIEW

### 4.1 Environmental Record Sources, Federal and State

North Carolina Department of Environment and Natural Resources (NCDENR) and the Environmental Protection Agency (EPA) were consulted to determine if environmental concerns were present, now or historically, at the subject property. The following issues were addressed:

- Groundwater Quality;
- Solid Waste;
- Hazardous Waste; and,
- Underground Storage Tanks.

Federal and State databases available from Environmental Data Resources, Inc. (EDR) of Milford, Connecticut were also reviewed. EDR is a national company specializing in the management of more than 150 state and federal databases. EDR updates ASTM-suggested databases according to ASTM Standard E 1527-05. The following tables identify federal and state databases obtained from EDR on November 17, 2008 that were reviewed according to the ASTM recommended search radii of the subject property. A copy of the EDR database report, including ASTM recommended search radii, is included in Appendix C.

**Table 2:**  
**Federal Databases Reviewed**

<b>Federal Database</b>	<b>Number of Sites Identified</b>
NPL: National Priority List	0
Proposed NPL: Proposed National Priority List Sites	0
DELISTED NPL: National Priority List Deletions	0
NPL LIENS: Federal Superfund Liens	0
CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System	0
CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned	0
LIENS 2: CERCLA Lien Information	0
CORRACTS: Corrective Action Report	0
RCRA-TSDF: RCRA - Transporters, Storage and Disposal	0
RCRA-LQG: RCRA - Large Quantity Generators	0
RCRA-SQG: RCRA - Small Quantity Generators	0
RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators	1
RCRA-NonGen: RCRA - Non Generators	0
US ENG CONTROLS: Engineering Controls Sites List	0
US INST CONTROL: Sites with Institutional Controls	0
ERNS: Emergency Response Notification System	0

**Table 2:  
Federal Databases Reviewed (Continued)**

<b>Federal Database</b>	<b>Number of Sites Identified</b>
HMIRS: Hazardous Materials Information Reporting System	0
DOT OPS: Incident and Accident Data	0
CDL: Clandestine Drug Labs	0
US BROWNFIELDS: A Listing of Brownfields Sites	0
DOD: Department of Defense Sites	0
FUDS: Formerly Used Defense Sites	0
LUCIS: Land Use Control Information System	0
CONSENT: Superfund (CERCLA) Consent Decrees	0
ROD: Records Of Decision	0
UMTRA: Uranium Mill Tailings Sites	0
ODI: Open Dump Inventory	0
DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations	0
MINES: Mines Master Index File	0
TRIS: Toxic Chemical Release Inventory System	0
TSCA: Toxic Substances Control Act	0
FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)	0
FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)	0
HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing	0
HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing	0
SSTS: Section 7 Tracking Systems	0
ICIS: Integrated Compliance Information System	0
PADS: PCB Activity Database System	0
MLTS: Material Licensing Tracking System	0
RADINFO: Radiation Information Database	0
FINDS: Facility Index System/Facility Registry System	0
RAATS: RCRA Administrative Action Tracking System	0
BRS: Biennial Reporting System	0

**Table 3:  
State and Local Records Reviewed**

<b>State and Local Records</b>	<b>Number of Sites Identified</b>
SHWS: Inactive Hazardous Sites Inventory	0
HSDS: Hazardous Substance Disposal Site	0
IMD: Incident Management Database	1
SWF/LF: List of Solid Waste Facilities	1
OLI: Old Landfill Inventory	0
HIST LF: Solid Waste Facility Listing	1
LUST: Leaking Underground Storage Tank List	1
LUST TRUST: State Trust Fund Database	0
UST: Petroleum Underground Storage Tank Database	0
AST: AST Database	0
INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring	0
VCP: Responsible Party Voluntary Action Sites	0
DRYCLEANERS: Drycleaning Sites	0
BROWNFIELDS: Brownfields Projects Inventory	0
NPDES: NPDES Facility Location Listing	0

**Table 4:  
Tribal Records Reviewed**

<b>Tribal Records</b>	<b>Number of Sites Identified</b>
INDIAN RESERV: Indian Reservations	0
INDIAN ODI: Report on the Status of Open Dumps on Indian Lands	0
INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land	0
INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land	0
INDIAN UST R4: Underground Storage Tanks on Indian Land	0
INDIAN UST R5: Underground Storage Tanks on Indian Land	0

**Table 4:  
Tribal Records Reviewed (Continued)**

<b>Tribal Records</b>	<b>Number of Sites Identified</b>
INDIAN UST R10: Underground Storage Tanks on Indian Land	0
INDIAN UST R8: Underground Storage Tanks on Indian Land	0
INDIAN UST R1: Underground Storage Tanks on Indian Land	0
INDIAN UST R6: Underground Storage Tanks on Indian Land	0
INDIAN UST R7: Underground Storage Tanks on Indian Land	0
INDIAN UST R9: Underground Storage Tanks on Indian Land	0
INDIAN VCP R7: Voluntary Cleanup Priority Listing	0
INDIAN VCP R1: Voluntary Cleanup Priority Listing	0

**Table 5:  
EDR Proprietary Records Reviewed**

<b>EDR Proprietary Records</b>	<b>Number of Sites Identified</b>
Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants	0
EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations	0
EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners	0

One facility of interest was identified during the database search and reviews of EPA records and NCDENR records within the ASTM-recommended search radius. Petro Express 57, at 10000 N. Tryon Street, is listed as having had a leaking underground storage tank (LUST). Upon property transfer sampling, groundwater contamination was discovered. The incident is in the "follow-up" phase of regulatory compliance. The site is 900 feet northwest of the subject property.

## **5.0 INFORMATION FROM SITE RECONNAISSANCE**

On November 25, 2008, Mr. Joshua Erlie of STV/RWA conducted a reconnaissance of the subject property and surrounding areas. Items of concern considered during the reconnaissance included, but were not limited to, above ground storage tanks, evidence of underground storage tanks, drums, odors, stained vegetation and/or soils, pits, and debris.

- No storage tanks, either above ground or below, were observed at the subject property.
- No significant hazardous substance, petroleum products, or unidentified substance drums or containers were observed during the site reconnaissance with the exception of several residential trash cans, some of which appeared to contain ash, and paintball-gun ammunition containers filled with domestic debris.
- No pole-mounted transformers were observed during the site reconnaissance. Electric transformers manufactured prior to 1979 generally contained PCB-oils. PCBs are polychlorinated biphenyls and have been determined to be a likely carcinogen. Production of PCB fluids was discontinued in 1977 and new PCB-oil containing equipment was banned on July 1, 1979.
- No buildings were observed on the subject property.
- No indications of pits, drains, sumps, odors, pools of liquid, or soil stains were observed within the subject property during the site reconnaissance.
- No indications of stressed vegetation were observed within the subject property during the site reconnaissance.
- Nuisance debris was observed in isolated areas in the southern half of the subject property. The debris includes domestic debris, a porcelain toilet, and several trash cans, some of which appear to contain ash (see photographs in Appendix B). Nuisance debris should be disposed of according to regulatory guidelines.
- Surface water runoff from the subject property flows generally west by sheet drainage into Mallard Creek. No indications of wastewater discharge were observed within the subject property during the site reconnaissance.

## **6.0 INFORMATION FROM INTERVIEWS**

STV/RWA contacted Rachel Pillar of the Charlotte Fire Department via telephone on December 17, 2008 requesting information regarding environmental responses to spills, fires, etc. in the vicinity of the subject property. Ms. Pillar requested that STV/RWA submit the requested information via email. As of mid-January 2009, no information has been received for the subject property. A user questionnaire was filled out by Mr. David Wolfe of the City of Charlotte. No specialized knowledge of the subject property was indicated.

## **7.0 FINDINGS AND CONCLUSIONS**

STV/RWA has completed a Phase I ESA in general accordance with ASTM procedure E 1527-05. Any exceptions to, or deletions from, the ASTM practice are described in Section 1.0 of this report. This assessment has not revealed evidence of recognized environmental

conditions or historical recognized environmental conditions in connection with the subject property, with the exception of the Petro Express 57 gas station site.

Petro Express 57, located at 10000 N. Tryon Street, is listed as having had a leaking underground storage tank (LUST). Upon property transfer sampling, groundwater contamination was discovered. The incident is in the "follow-up" phase of regulatory compliance. The site is 900 feet northwest of the subject property. Natural drainage features separate the incident site from the subject property. Based on these factors, it is the opinion of STV/RWA that this site has a very low potential to adversely affect the subject property.

Nuisance debris was observed in isolated areas in the southern half of the subject property. The debris includes domestic debris, a porcelain toilet, and several trash cans, some of which appear to contain ash (see photographs in Appendix B). Nuisance debris should be disposed of according to regulatory guidelines.

## 8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

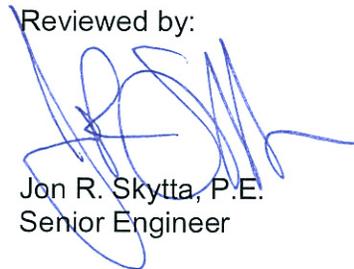
This assessment was conducted under the supervision of Jon R. Skytta, PE. Mr. Skytta has 24 years of experience in due diligence and environmental assessments. To the best of his professional knowledge and belief, Mr. Skytta meets the qualifications of Environmental Professional as defined in §312.10 of 40 CFR 312. STV/RWA has developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:



Joshua D. Erlen  
Environmental Assistant

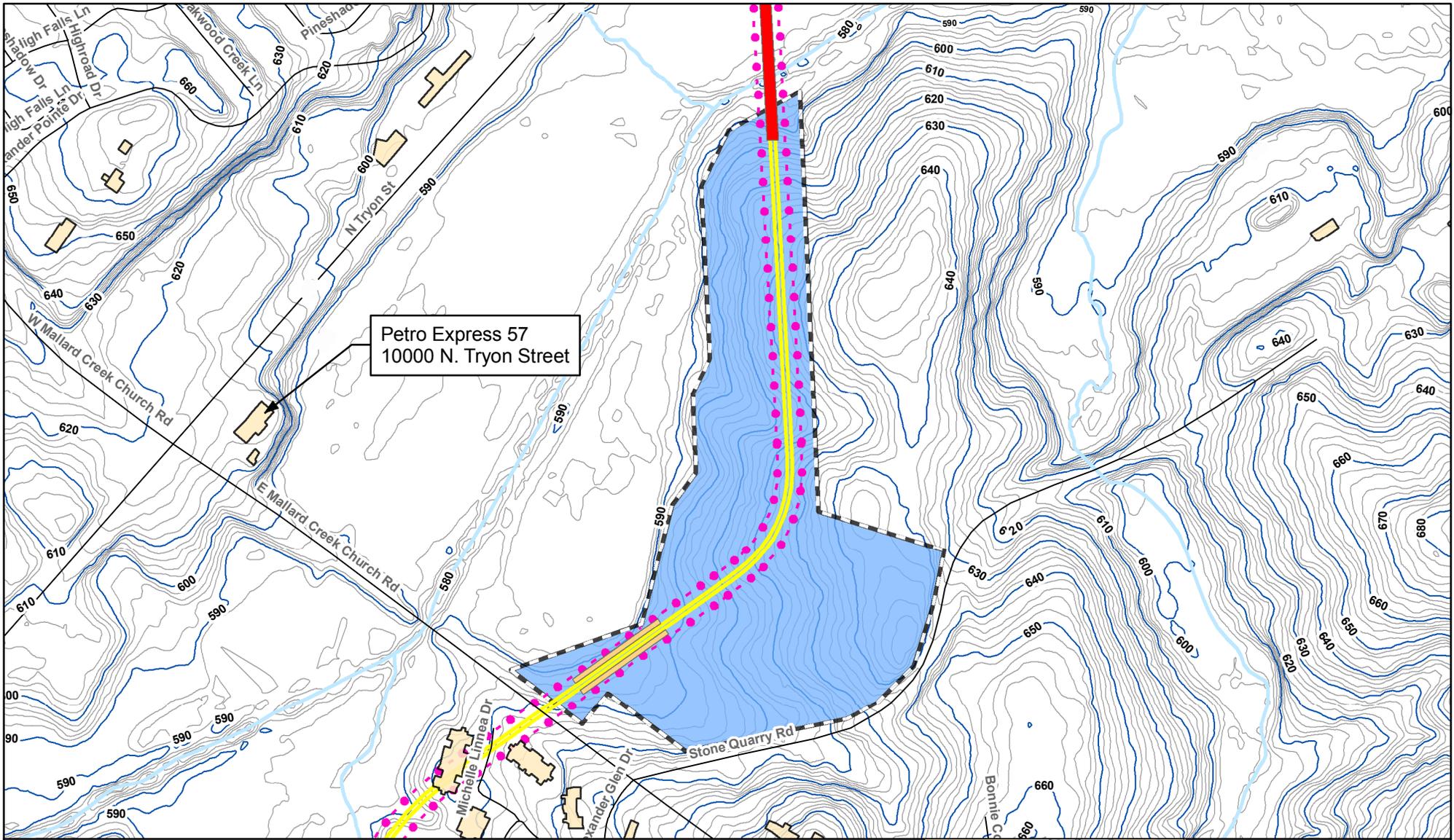
Reviewed by:



Jon R. Skytta, P.E.  
Senior Engineer

**Appendix A:**      Figure 1: Topographic Map  
                         Figure 2: Zoning Map  
                         Figure 3: Aerial Photograph

**Figure 1**  
**Mallard Creek Church Station Park-and-Ride Lot - Topographic Map**



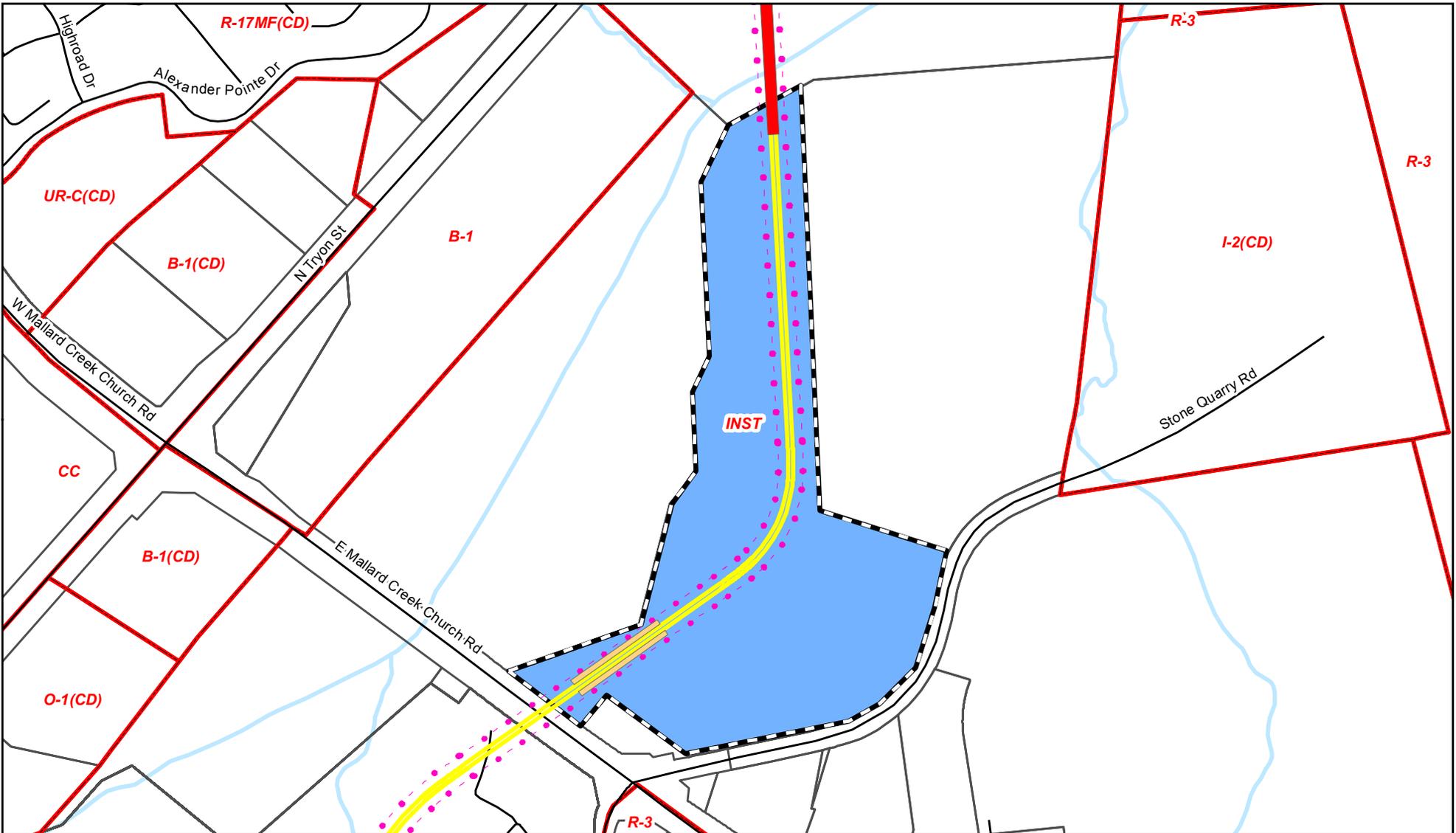
<b>Legend</b>			
Light Rail Transit	Railroads	Proposed Park-and-Ride Facilities	
Sugar Creek Design Option	Proposed Substation	Proposed Structures	
Proposed Station Platform	Proposed Signal Houses	Roads	<p>200 100 0 200 Feet 1 inch equals 400 feet</p>
Proposed Retaining Walls	Streams	Proposed ROW	

Data Source: Charlotte Area Transit System, STV/RWA

MCC\_PRR\_Topog\_Map\_REV100.pdf

12.16.08

Mallard Creek Church Station Park-and-Ride Lot - Zoning Map



<b>Legend</b>				
Light Rail Transit	Railroads	Proposed Park-and-Ride Facilities	Proposed Structures	
Sugar Creek Design Option	Proposed Substation			
Proposed Station Platform	Proposed Signal Houses			
Proposed Retaining Walls	Roads			
Proposed ROW	Streams			

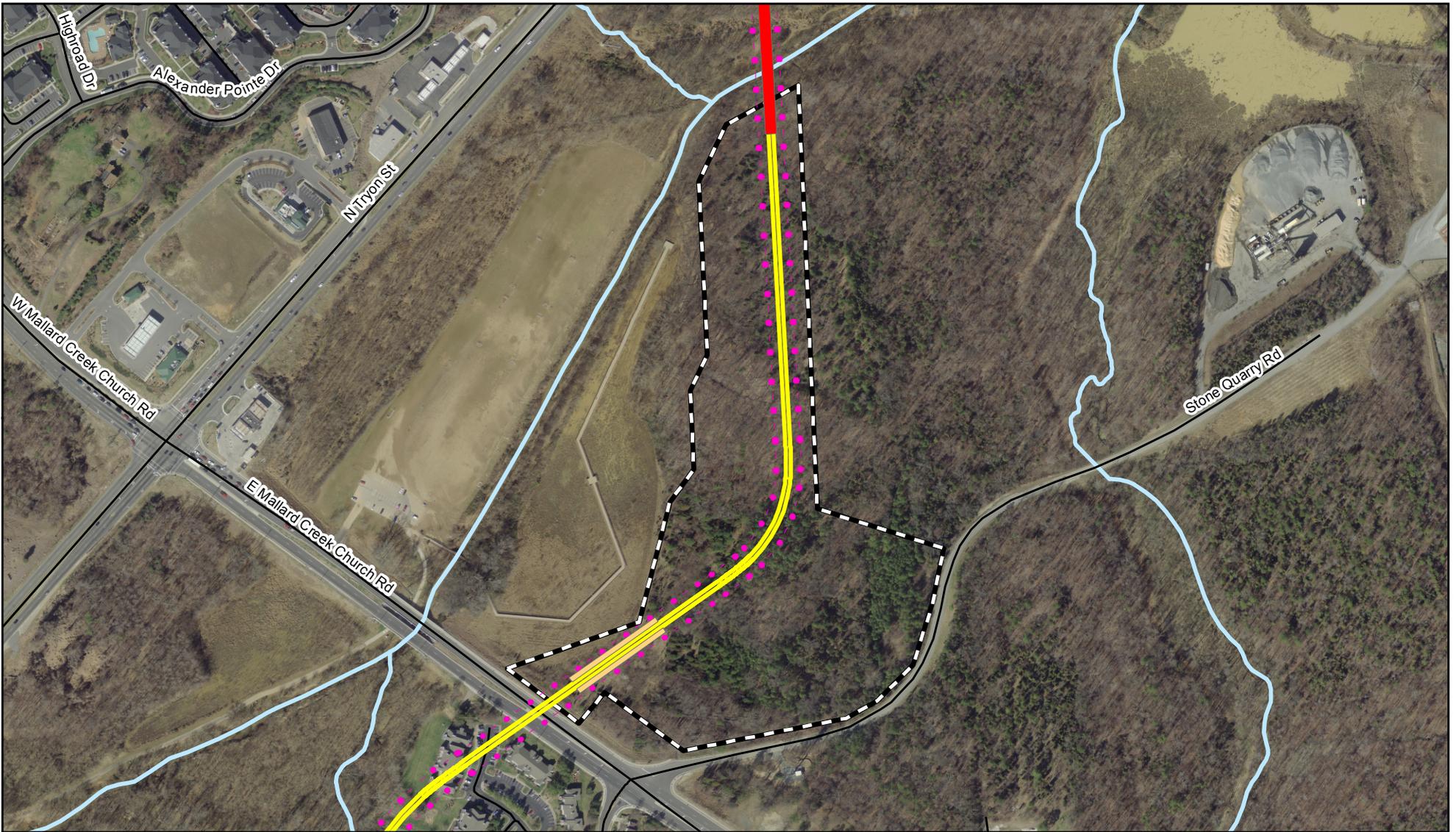
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1 inch equals 400 feet

Data Source: Charlotte Area Transit System, STV/RWA

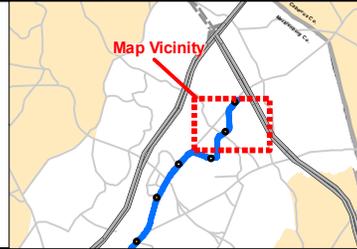
MCC\_PRR\_Zoning\_MapREV000.pdf

12.16.08

Mallard Creek Church Station Park-and-Ride Lot - Aerial Map



Light Rail Transit	Railroads	Proposed Park-and-Ride Facilities
Sugar Creek Design Option	Proposed Substation	Proposed Structures
Proposed Station Platform	Proposed Signal Houses	Roads
Proposed Retaining Walls	Streams	
Proposed ROW		



200 100 0 200

Feet

1 inch equals 400 feet

Data Source: Charlotte Area Transit System, STV/RWA, USGS NWI Wetland, Mecklenburg County GIS Aerial (2007)

MCC\_Station\_PNR\_Aerial\_REV/000.pdf

12/16/08

**Appendix B:** Site Photographs



Photograph 1: View west from Stone Quarry Road (approximate northern boundary of proposed Park-and-Ride Lot).



Photograph 2: View east from Stone Quarry Road (approximate northern boundary of proposed Park-and-Ride Lot).



Photograph 3: Porcelain toilet in southern portion of property.



Photograph 4: Paintball ammunition buckets and light debris in southern portion of property.



Photograph 5: Mallard Creek confluence beyond northern end of property.



Photograph 6: Barbed wire fence parallel and perpendicular to creek (southeast of confluence).



Photograph 7: Plastic trash cans scattered about in southwest area. Some appear to contain ash.



Photograph 8: Plastic trash can buried up to middle in the ground.



Photograph 9: Apparent ash pile in southwest area of property.



Photograph 10: View west from intersection of Stone Quarry Road and Mallard Creek Church Road.



Photograph 11: Intersection of Stone Quarry Road and Mallard Creek Church Road.



Photograph 12: View west from Stone Quarry Road.



Photograph 13: Cellular tower on adjacent property to southeast.



Photograph 14: Stone Quarry Road.

**Appendix C:** Regulatory Database Search Report

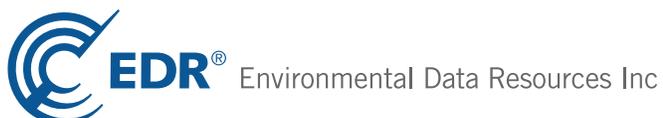
**Mallard Creek Church East P&R**

Stone Quarry Road  
Charlotte, NC 28262

Inquiry Number: 2365310.18s

November 17, 2008

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://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 (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

STONE QUARRY ROAD  
CHARLOTTE, NC 28262

#### COORDINATES

Latitude (North): 35.320100 - 35° 19' 12.4"  
Longitude (West): 80.728170 - 80° 43' 41.4"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 524708.6  
UTM Y (Meters): 3908377.2  
Elevation: 633 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 35080-C6 HARRISBURG, NC  
Most Recent Revision: 1996

### 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:

#### FEDERAL RECORDS

NPL ..... National Priority List  
Proposed NPL ..... Proposed National Priority List Sites  
Delisted NPL ..... National Priority List Deletions  
NPL LIENS ..... Federal Superfund Liens  
CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned  
LIENS 2 ..... CERCLA Lien Information  
CORRACTS ..... Corrective Action Report  
RCRA-TSDF ..... RCRA - Transporters, Storage and Disposal  
RCRA-LQG ..... RCRA - Large Quantity Generators

## EXECUTIVE SUMMARY

RCRA-SQG.....	RCRA - Small Quantity Generators
RCRA-NonGen.....	RCRA - Non Generators
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
DOD.....	Department of Defense Sites
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
FINDS.....	Facility Index System/Facility Registry System
RAATS.....	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

### **STATE AND LOCAL RECORDS**

SHWS.....	Inactive Hazardous Sites Inventory
NC HSDS.....	Hazardous Substance Disposal Site
OLI.....	Old Landfill Inventory
LUST TRUST.....	State Trust Fund Database
UST.....	Petroleum Underground Storage Tank Database
AST.....	AST Database
INST CONTROL.....	No Further Action Sites With Land Use Restrictions Monitoring
VCP.....	Responsible Party Voluntary Action Sites
DRYCLEANERS.....	Drycleaning Sites
BROWNFIELDS.....	Brownfields Projects Inventory
NPDES.....	NPDES Facility Location Listing

### **TRIBAL RECORDS**

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

### **EDR PROPRIETARY RECORDS**

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
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## EXECUTIVE SUMMARY

EDR Historical Auto Stations.. EDR Proprietary Historic Gas Stations  
EDR Historical Cleaners..... EDR Proprietary Historic Dry Cleaners

### 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.

### FEDERAL RECORDS

RCRA-CESQG: 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>MARTIN MARIETTA MALLARD CREEK</i></b>	<b><i>575 E MALLARD CREEK CHU</i></b>	<b><i>SSW 1/8 - 1/4 (0.153 mi.)</i></b>	<b><i>1</i></b>	<b><i>6</i></b>

### STATE AND LOCAL RECORDS

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there is 1 IMD site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PETRO EXPRESS 57</i></b>	<b><i>10000 NORTH TRYON STREE</i></b>	<b><i>WNW 1/4 - 1/2 (0.338 mi.)</i></b>	<b><i>2</i></b>	<b><i>7</i></b>

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Department of Environment & Natural Resources' List of Solid Waste Facility Contacts in Alpha Order.

A review of the SWF/LF list, as provided by EDR, and dated 08/18/2008 has revealed that there is 1

## EXECUTIVE SUMMARY

SWF/LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>UNC-CHARLOTTE</b>	<b>9201 UNIVERSITY CITY B</b>	<b>WSW 1/4 - 1/2 (0.363 mi.)</b>	<b>3</b>	<b>10</b>

HIST LF: A listing of solid waste facilities.

A review of the HIST LF list, as provided by EDR, and dated 11/06/2006 has revealed that there is 1 HIST LF site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>UNC-CHARLOTTE</b>	<b>9201 UNIVERSITY CITY B</b>	<b>WSW 1/4 - 1/2 (0.363 mi.)</b>	<b>3</b>	<b>10</b>

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 08/29/2008 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PETRO EXPRESS 57</b> Incident Phase: Follow Up	<b>10000 NORTH TRYON STREE</b>	<b>WNW 1/4 - 1/2 (0.338 mi.)</b>	<b>2</b>	<b>7</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
HENSON'S, INC. MULCH & MORE	SWF/LF, HIST LF
NCDOT ASPHALT SITE #2 (CROWDER CON	SHWS
HWY 49 BATTERY DUMP	SHWS, IMD
SANDOZ	SWF/LF
AMOCO TERMINAL-SLOP UST	LUST, IMD
UNCC	LUST, IMD
LAKE NORMAN QUARRY	LUST, IMD
CITY OF CHARLOTTE PROP.-PARCEL	LUST, IMD
HERLOCKER'S PANTRY	LUST, IMD
CSX TRANSPORTATION	LUST, IMD
ALEXANDER PROPERTY	LUST TRUST
DAVIS PROPERTY(MARY P. WILLIAMS) #	LUST TRUST
# 2 DAVIS PROPERTY(MARY P. WILLIAM	LUST TRUST
6001 HWY 74 EAST	ERNS
EAST INDEPENDENCE BLVD OFF HWY 74	ERNS
MALLARD CREEK WATER RECLAMATIO	FINDS
MALLARD CREEK WWTP	IMD
CHARLOTTE CITY DUMP	IMD
NCDOT ASPHALT SITE #2 (CROWDER	IMD
MALLARD CREEK WWTP	NPDES

# OVERVIEW MAP - 2365310.18s



★ 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

⚡ Oil & Gas pipelines

■ 100-year flood zone

■ 500-year flood zone

■ National Wetland Inventory

■ State Wetlands

■ Hazardous Substance Disposal Sites

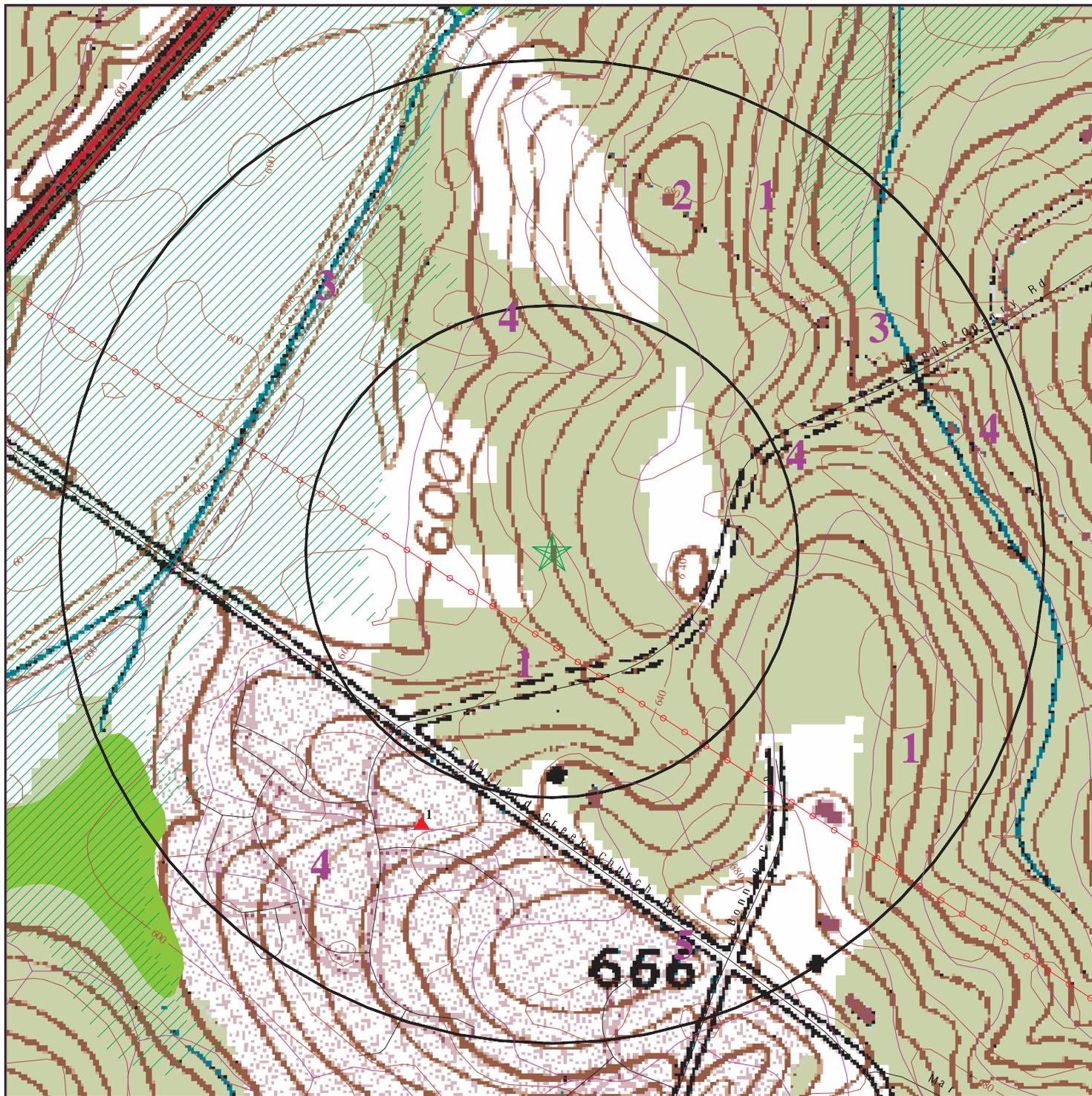


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Mallard Creek Church East P&R  
 ADDRESS: Stone Quarry Road  
 Charlotte NC 28262  
 LAT/LONG: 35.3201 / 80.7282

CLIENT: STV/Ralph Whitehead Assoc, Inc.  
 CONTACT: Joshua Erlien  
 INQUIRY #: 2365310.18s  
 DATE: November 17, 2008 4:39 pm

# DETAIL MAP - 2365310.18s



- ★ 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
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

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SITE NAME: Mallard Creek Church East P&R  
 ADDRESS: Stone Quarry Road  
 Charlotte NC 28262  
 LAT/LONG: 35.3201 / 80.7282

CLIENT: STV/Ralph Whitehead Assoc, Inc.  
 CONTACT: Joshua Erlien  
 INQUIRY #: 2365310.18s  
 DATE: November 17, 2008 4:39 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA-TSDF		0.500	0	0	0	NR	NR	0
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	1	NR	NR	NR	1
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		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
MINES		0.250	0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
SHWS		1.000	0	0	0	0	NR	0
NC HSIDS		1.000	0	0	0	0	NR	0
IMD		0.500	0	0	1	NR	NR	1
SWF/LF		0.500	0	0	1	NR	NR	1

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 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
HIST LF		0.500	0	0	1	NR	NR	1
LUST		0.500	0	0	1	NR	NR	1
LUST TRUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	0	0	NR	NR	NR	0
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**  
**SSW**  
**1/8-1/4**  
**0.153 mi.**  
**808 ft.**

**MARTIN MARIETTA MALLARD CREEK QUARRY**  
**575 E MALLARD CREEK CHURCH**  
**CHARLOTTE, NC 28213**

**FINDS** **1004551008**  
**RCRA-CESQG** **NCD986195782**

**Relative:**  
**Higher**

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site

**Actual:**  
**637 ft.**

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) 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.

**RCRA-CESQG:**

Date form received by agency: 11/21/2003  
 Facility name: MARTIN MARIETTA MALLARD CREEK QUARRY  
 Facility address: 575 E MALLARD CREEK CHURCH ROAD  
 CHARLOTTE, NC 28213  
 EPA ID: NCD986195782  
 Mailing address: PO BOX 7446  
 CHARLOTTE, NC 28241  
 Contact: BRIAN K NORTH  
 Contact address: PO BOX 7446  
 CHARLOTTE, NC 28241  
 Contact country: US  
 Contact telephone: (704) 409-1475  
 Contact email: BRIAN.NORTH@MARTINMARIETTA.COM  
 EPA Region: 04  
 Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MARTIN MARIETTA MALLARD CREEK QUARRY (Continued)**

**1004551008**

Owner/Operator Summary:

Owner/operator name: MARTIN MARIETTA  
Owner/operator address: PO BOX 30013  
RALEIGH, NC 27622  
Owner/operator country: Not reported  
Owner/operator telephone: (919) 781-4550  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No  
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 04/23/1997  
Facility name: MARTIN MARIETTA MALLARD CREEK QUARRY  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

2  
WNW  
1/4-1/2  
0.338 mi.  
1785 ft.

**PETRO EXPRESS 57  
10000 NORTH TRYON STREET  
CHARLOTTE, NC**

**LUST S106195914  
IMD N/A**

Relative:  
Lower

LUST:

Facility ID: Not reported  
UST Number: MO-6921  
Incident Number: 27641  
Contamination Type: Groundwater/Both

Actual:  
598 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PETRO EXPRESS 57 (Continued)**

**S106195914**

Source Type: Leak-underground  
Product Type: PETROLEUM  
Date Reported: 1/16/2004  
Date Occur: 1/13/2004  
Cleanup: Not reported  
Closure Request: Not reported  
Close Out: Not reported  
Level Of Soil Cleanup Achieved: Not reported  
Tank Regulated Status: Regulated  
# Of Supply Wells: 0  
Commercial/NonCommercial UST Site: COMMERCIAL  
Risk Classification: U  
Risk Class Based On Review: L  
Corrective Action Plan Type: Not reported  
NOV Issue Date: Not reported  
NORR Issue Date: Not reported  
Site Priority: Not reported  
Phase Of LSA Req: 2  
Site Risk Reason: Not reported  
Land Use: Industrial/commercial  
MTBE: No  
MTBE1: Yes  
Flag: No  
Flag1: No  
LUR Filed: Not reported  
Release Detection: 0  
Current Status: File Located in House  
RBCA GW: Not reported  
PETOPT: 3  
RPL: False  
CD Num: 0  
Reel Num: 0  
RPOW: True  
RPOP: False  
Error Flag: 0  
Error Code: Not reported  
Valid: False  
Lat/Long: 35 19 17.94 80 44 1.92  
Lat/Long Decimal: 35.32166699999998 80.73388900000005  
Testlat: Not reported  
Regional Officer Project Mgr: AJS  
Region: Mooresville  
Company: Petro Express  
Contact Person: TOMMY HALL  
Telephone: 7045254850  
RP Address: Post Office Box 240606  
RP City,St,Zip: Charlotte, NC 28224  
RP County: Not reported  
5 Min Quad: Not reported  
  
PIRF:  
Facility Id: 27641  
Date Occurred: 1/13/2004  
Date Reported: 1/16/2004  
Description Of Incident: Property transfer sampling revealed release.  
Owner/Operator: Not reported  
Ownership: 4  
Operation Type: 6

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PETRO EXPRESS 57 (Continued)**

**S106195914**

Type: 3  
Location: 1  
Site Priority: Not reported  
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  
Ust Number: E

Last Modified: Not reported  
**Incident Phase: Follow Up**  
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

Comments: Property transfer sampling revealed release. System test and Site Check required.

**IMD:**

Region: MOR  
Facility ID: 27641  
Date Occurred: 1/13/2004  
Submit Date: 1/16/2004  
GW Contam: Yes, Groundwater Contamination has been detected  
Soil Contam: No  
Incident Desc: Property transfer sampling revealed release.  
Operator: TOMMY HALL  
Contact Phone: 7045254850  
Owner Company: Petro Express  
Operator Address: Post Office Box 240606  
Operator City: Charlotte  
Oper City, St, Zip: Charlotte, NC 28224  
Ownership: Private  
Operation: Commercial  
Material: Not reported  
Qty Lost 1: Not reported  
Qty Recovered 1: Not reported  
Source: Leak-underground  
Type: Gasoline/diesel  
Location: Facility  
Setting: Not reported  
Risk Site: Unknown  
Site Priority: Not reported  
Priority Code: Not reported  
Priority Update: Not reported  
Dem Contact: CBC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PETRO EXPRESS 57 (Continued)**

**S106195914**

Wells Affected: No  
Num Affected: Not reported  
Wells Contam: Not reported  
Sampled By: Y  
Samples Include: Not reported  
7.5 Min Quad: Not reported  
5 Min Quad: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Latitude Number: Not reported  
Longitude Number: Not reported  
Latitude Decimal: Not reported  
Longitude Decimal: Not reported  
GPS: 7  
Agency: DWM  
Facility ID: 27641  
Last Modified: Not reported  
Incident Phase: Follow Up  
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

**3**  
**WSW**  
**1/4-1/2**  
**0.363 mi.**  
**1916 ft.**

**UNC-CHARLOTTE**  
**9201 UNIVERSITY CITY BLVD**  
**CHARLOTTE, NC**

**SWF/LF S106021266**  
**HIST LF N/A**

**Relative:**  
**Lower**

LF:  
Permit Num: 6024-COMPOST-  
Waste: YW  
Activity: COMPOST  
Contact Name: Gail Thomas  
Contact Telephone: 704.687.2137  
Facility Status: Active

**Actual:**  
**593 ft.**

HIST\_LF:  
Facility Type: Compost  
permit\_num: 6024  
Facility Fax: 704 687-2676  
Contact Name: GAIL THOMAS  
Contact Title: Not reported  
Contact Telephone: 704 687-2137  
Contact Address: 9201 UNIVERSITY CITY BLVD  
Contact City,St,Zip: CHARLOTTE, NC 28223  
Lined: False  
Facility Id: P1072  
Facility Status: OPEN  
Public/Private: PRIVATE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNC-CHARLOTTE (Continued)**

**S106021266**

Waste Mgmt Specialist: Teresa Bradford

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CHARLOTTE	S109164075	SANDOZ	HWY 27		SWF/LF
CHARLOTTE	S106520612	AMOCO TERMINAL-SLOP UST	HIGHWAY 27-PAW CREEK		LUST, IMD
CHARLOTTE	S105425775	MALLARD CREEK WWTP	12400 HIGHWAY 29 NORTH	28262	IMD
CHARLOTTE	S105764583	UNCC	HWY 49 UNC-C STATION		LUST, IMD
CHARLOTTE	S105029487	CHARLOTTE CITY DUMP	HWY 49 - YORK ROAD		IMD
CHARLOTTE	S103717750	LAKE NORMAN QUARRY	HWY 73 / KNOX ROAD		LUST, IMD
CHARLOTTE	2002628291	6001 HWY 74 EAST	6001 HWY 74 EAST		ERNS
CHARLOTTE	S105912077	NCDOT ASPHALT SITE #2 (CROWDER	CROWDER CONST, HWY 16, 6433 BR		IMD
CHARLOTTE	S109015505	NCDOT ASPHALT SITE #2 (CROWDER CON	CROWDER CONST, HWY 16, 6433 BR		SHWS
CHARLOTTE	S103229259	HWY 49 BATTERY DUMP	NC HIGHWAY 49		SHWS, IMD
CHARLOTTE	S108280693	MALLARD CREEK WWTP	12400 US HWY 29 N	28262	NPDES
CHARLOTTE	1010499933	MALLARD CREEK WATER RECLAMATIO	12400 US HWY 29 N	28262	FINDS
CHARLOTTE	93341807	EAST INDEPENDENCE BLVD OFF HWY 74	EAST INDEPENDENCE BLVD OFF HWY		ERNS
CHARLOTTE	S105040811	HENSON'S, INC. MULCH & MORE	OLD LANDCASTER HWY		SWF/LF, HIST LF
CHARLOTTE	S105764597	CITY OF CHARLOTTE PROP.-PARCEL	PARCEL 4, HWY 51 DISTRICT		LUST, IMD
CHARLOTTE	S105764762	HERLOCKER'S PANTRY	U S HWY 29		LUST, IMD
CHARLOTTE	S105764594	CSX TRANSPORTATION	TRYON STREET		LUST, IMD
CHARLOTTE	S105219438	ALEXANDER PROPERTY	10130 / 10214 MALLARD CREEK		LUST TRUST
CHARLOTTE	S105219556	DAVIS PROPERTY(MARY P. WILLIAMS) #	4515 SR 1142		LUST TRUST
CHARLOTTE	S105219555	# 2 DAVIS PROPERTY(MARY P. WILLIAM	4701 SR 1142		LUST TRUST

# 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.

## FEDERAL RECORDS

### 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: 08/13/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	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 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### 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: 04/30/2008	Source: EPA
Date Data Arrived at EDR: 05/06/2008	Telephone: N/A
Date Made Active in Reports: 06/09/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

### 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: 08/14/2008	Source: EPA
Date Data Arrived at EDR: 08/27/2008	Telephone: N/A
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: No Update Planned

## CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/09/2008	Source: EPA
Date Data Arrived at EDR: 07/22/2008	Telephone: 703-412-9810
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Quarterly

## CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 09/15/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/15/2008
	Data Release Frequency: Quarterly

## 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: 08/19/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/29/2008	Telephone: 202-564-6023
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 09/02/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/01/2008
	Data Release Frequency: Quarterly

## RCRA-TSDF: RCRA - Transporters, 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

## 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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

## RCRA-NonGen: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: (404) 562-8651  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Varies

## US INST CONTROL: Sites with Institutional Controls

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: 07/23/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2008	Telephone: 703-603-0695
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 06/30/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/29/2008
	Data Release Frequency: Varies

## 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: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 10/21/2008
Number of Days to Update: 54	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Annually

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/30/2008	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/15/2008	Telephone: 202-366-4555
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Annually

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/28/2008	Telephone: 202-366-4595
Date Made Active in Reports: 08/08/2008	Last EDR Contact: 08/29/2008
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/24/2008
	Data Release Frequency: Varies

## 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 12/28/2007  
Number of Days to Update: 25

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 10/31/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Quarterly

### US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 08/25/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 10/16/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Semi-Annually

### 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: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 703-692-8801  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

### 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: 12/31/2007  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 09/05/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Varies

### 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: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 09/09/2008  
Next Scheduled EDR Contact: 12/08/2008  
Data Release Frequency: Varies

### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2008  
Date Data Arrived at EDR: 06/12/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Varies

## 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: 06/18/2008  
Date Data Arrived at EDR: 07/11/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 45

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 09/29/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Annually

## 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: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Varies

## 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

## 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: 03/25/2008  
Date Data Arrived at EDR: 04/17/2008  
Date Made Active in Reports: 05/15/2008  
Number of Days to Update: 28

Source: EPA, Region 9  
Telephone: 415-972-3336  
Last EDR Contact: 09/22/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Varies

## 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: 08/07/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/23/2008  
Next Scheduled EDR Contact: 12/22/2008  
Data Release Frequency: Semi-Annually

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/19/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Annually

## 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: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Every 4 Years

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: 07/12/2008  
Date Data Arrived at EDR: 07/18/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 38

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Quarterly

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: 07/12/2008  
Date Data Arrived at EDR: 07/18/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 38

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
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: 07/31/2008  
Date Data Arrived at EDR: 08/13/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 10/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
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: 12/04/2007  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 09/18/2008  
Next Scheduled EDR Contact: 11/03/2008  
Data Release Frequency: Annually

## 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: 07/08/2008  
Date Data Arrived at EDR: 08/05/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 20

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 09/29/2008  
Next Scheduled EDR Contact: 12/29/2008  
Data Release Frequency: Quarterly

## 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: 07/29/2008  
Date Data Arrived at EDR: 07/31/2008  
Date Made Active in Reports: 08/25/2008  
Number of Days to Update: 25

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 10/29/2008  
Next Scheduled EDR Contact: 01/26/2009  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 07/01/2008	Source: EPA
Date Data Arrived at EDR: 07/09/2008	Telephone: (404) 562-9900
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

## 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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## 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: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 09/12/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 12/08/2008
	Data Release Frequency: Biennially

## 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: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/10/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

## STATE AND LOCAL RECORDS

### 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: 07/23/2008	Source: Department of Environment, Health and Natural Resources
Date Data Arrived at EDR: 07/24/2008	Telephone: 919-733-2801
Date Made Active in Reports: 08/20/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/05/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 04/06/2006  
Date Data Arrived at EDR: 02/28/2007  
Date Made Active in Reports: 04/13/2007  
Number of Days to Update: 44

Source: North Carolina Center for Geographic Information and Analysis  
Telephone: 919-733-2090  
Last EDR Contact: 08/29/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Biennially

## IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006  
Date Data Arrived at EDR: 08/01/2006  
Date Made Active in Reports: 08/23/2006  
Number of Days to Update: 22

Source: Department of Environment and Natural Resources  
Telephone: 919-733-3221  
Last EDR Contact: 10/22/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Quarterly

## 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: 08/18/2008  
Date Data Arrived at EDR: 08/18/2008  
Date Made Active in Reports: 09/12/2008  
Number of Days to Update: 25

Source: Department of Environment and Natural Resources  
Telephone: 919-733-0692  
Last EDR Contact: 10/22/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Semi-Annually

## 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: 07/11/2008  
Date Data Arrived at EDR: 08/08/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 12

Source: Department of Environment & Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/24/2008  
Next Scheduled EDR Contact: 01/19/2009  
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: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
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: 08/29/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/12/2008  
Number of Days to Update: 8

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1308  
Last EDR Contact: 09/04/2008  
Next Scheduled EDR Contact: 12/01/2008  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 08/02/2008  
Date Data Arrived at EDR: 08/07/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 13

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1315  
Last EDR Contact: 11/06/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

## 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: 08/01/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/11/2008  
Number of Days to Update: 7

Source: Department of Environment and Natural Resources  
Telephone: 919-733-1308  
Last EDR Contact: 09/04/2008  
Next Scheduled EDR Contact: 12/01/2008  
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: 07/14/2008  
Date Data Arrived at EDR: 07/15/2008  
Date Made Active in Reports: 08/19/2008  
Number of Days to Update: 35

Source: Department of Environment and Natural Resources  
Telephone: 919-715-6183  
Last EDR Contact: 11/14/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Semi-Annually

## 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: 07/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 27

Source: Department of Environment, Health and Natural Resources  
Telephone: 919-733-2801  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Quarterly

## VCP: Responsible Party Voluntary Action Sites

Responsible Party Voluntary Action site locations.

Date of Government Version: 07/23/2008  
Date Data Arrived at EDR: 07/24/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 27

Source: Department of Environment and Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Semi-Annually

## 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: 06/17/2008  
Date Data Arrived at EDR: 07/15/2008  
Date Made Active in Reports: 08/20/2008  
Number of Days to Update: 36

Source: Department of Environment & Natural Resources  
Telephone: 919-508-8400  
Last EDR Contact: 10/15/2008  
Next Scheduled EDR Contact: 01/12/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 liability control.

Date of Government Version: 10/01/2007  
Date Data Arrived at EDR: 10/31/2007  
Date Made Active in Reports: 01/14/2008  
Number of Days to Update: 75

Source: Department of Environment and Natural Resources  
Telephone: 919-733-4996  
Last EDR Contact: 10/29/2008  
Next Scheduled EDR Contact: 01/26/2009  
Data Release Frequency: Varies

## NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 09/26/2008  
Number of Days to Update: 15

Source: Department of Environment & Natural Resources  
Telephone: 919-733-7015  
Last EDR Contact: 09/08/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Varies

## TRIBAL RECORDS

### 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: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: Semi-Annually

### 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: 08/25/2008  
Next Scheduled EDR Contact: 11/24/2008  
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: 08/22/2008  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 18

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

### 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: 10/10/2008  
Date Data Arrived at EDR: 10/10/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 6

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/21/2008	Source: EPA Region 8
Date Data Arrived at EDR: 09/04/2008	Telephone: 303-312-6271
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 5	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

**INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land**  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008	Source: EPA Region 6
Date Data Arrived at EDR: 09/05/2008	Telephone: 214-665-6597
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 18	Next Scheduled EDR Contact: 02/16/2009
	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: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-8677
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

**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: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	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: 03/17/2008	Source: EPA Region 7
Date Data Arrived at EDR: 03/27/2008	Telephone: 913-551-7003
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 08/18/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/17/2008
	Data Release Frequency: Varies

**INDIAN UST R1: Underground Storage Tanks on Indian Land**  
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

**INDIAN UST R4: Underground Storage Tanks on Indian Land**  
No description is available for this data

Date of Government Version: 03/17/2008	Source: EPA Region 4
Date Data Arrived at EDR: 03/27/2008	Telephone: 404-562-9424
Date Made Active in Reports: 05/06/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Semi-Annually

## INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 08/18/2008  
Next Scheduled EDR Contact: 11/17/2008  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008  
Date Data Arrived at EDR: 09/04/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 5

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 27

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 18

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Quarterly

## 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: 04/02/2008  
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 1  
Telephone: 617-918-1102  
Last EDR Contact: 10/20/2008  
Next Scheduled EDR Contact: 01/19/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### Manufactured Gas Plants: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### EDR Historical Auto Stations: EDR Proprietary Historic Gas 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

### EDR Historical Cleaners: EDR Proprietary Historic Dry 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/31/2005  
Date Data Arrived at EDR: 06/15/2007  
Date Made Active in Reports: 08/20/2007  
Number of Days to Update: 66

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 09/12/2008  
Next Scheduled EDR Contact: 12/08/2008  
Data Release Frequency: Annually

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 12/04/2007  
Date Made Active in Reports: 12/31/2007  
Number of Days to Update: 27

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
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: 07/23/2008  
Date Data Arrived at EDR: 08/28/2008  
Date Made Active in Reports: 09/11/2008  
Number of Days to Update: 14

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 08/28/2008  
Next Scheduled EDR Contact: 11/24/2008  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 10/02/2008  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 09/08/2008  
Next Scheduled EDR Contact: 12/08/2008  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008  
Date Data Arrived at EDR: 10/10/2008  
Date Made Active in Reports: 10/28/2008  
Number of Days to Update: 18

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 09/15/2008  
Next Scheduled EDR Contact: 12/15/2008  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/08/2008  
Number of Days to Update: 17

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 10/06/2008  
Next Scheduled EDR Contact: 01/05/2009  
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## Electric Power Transmission Line Data

Source: PennWell Corporation  
Telephone: (800) 823-6277

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# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**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, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

## Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

MALLARD CREEK CHURCH EAST P&R  
STONE QUARRY ROAD  
CHARLOTTE, NC 28262

### **TARGET PROPERTY COORDINATES**

Latitude (North):	35.32010 - 35° 19' 12.4"
Longitude (West):	80.72817 - 80° 43' 41.4"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	524708.6
UTM Y (Meters):	3908377.2
Elevation:	633 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	35080-C6 HARRISBURG, NC
Most Recent Revision:	1996

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).

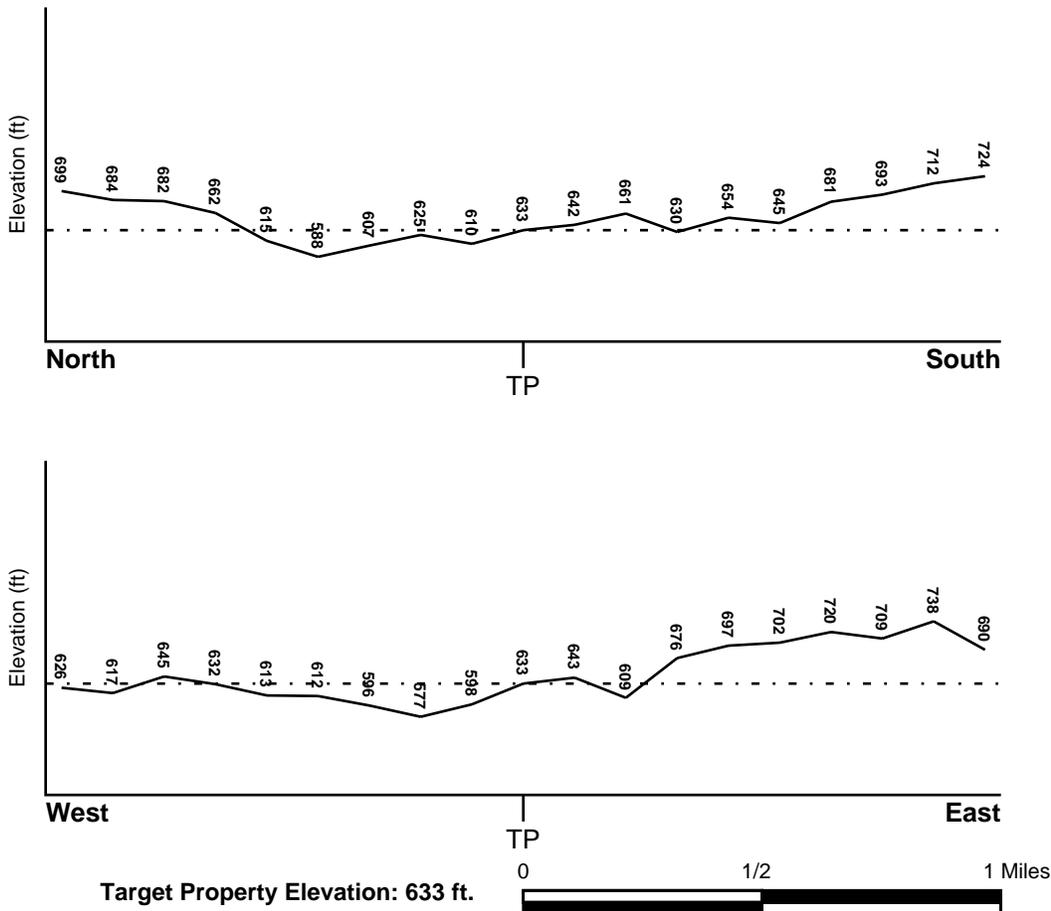
## TOPOGRAPHIC INFORMATION

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 WNW

## 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**

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
MECKLENBURG, NC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3701580065B

Additional Panels in search area: 3701580090B

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
HARRISBURG	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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
2	1/2 - 1 Mile SSE	N

For additional site information, refer to Physical Setting Source Map Findings.

## 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**

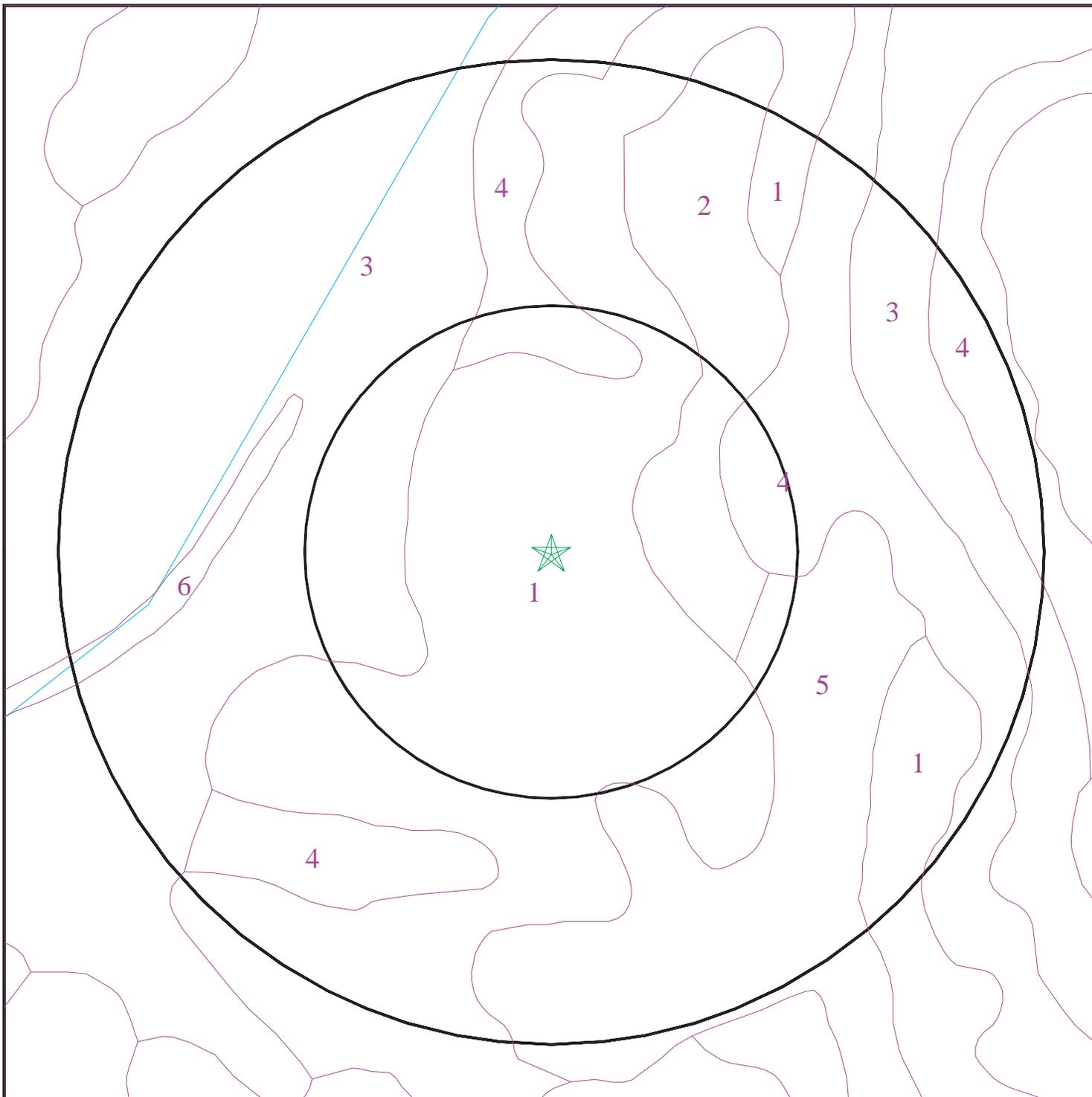
Era:	Paleozoic
System:	Mississippian
Series:	Paleozoic mafic intrusives
Code:	Pzmi ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

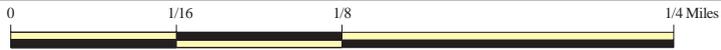
Category: Plutonic and Intrusive Rocks

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 - 2365310.18s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Mallard Creek Church East P&R  
ADDRESS: Stone Quarry Road  
Charlotte NC 28262  
LAT/LONG: 35.3201 / 80.7282

CLIENT: STV/Ralph Whitehead Assoc, Inc.  
CONTACT: Joshua Erlien  
INQUIRY #: 2365310.18s  
DATE: November 17, 2008 4:39 pm

# 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: Wilkes

Soil Surface Texture: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	7 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	14 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
4	44 inches	48 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 2**

Soil Component Name: Enon

Soil Surface Texture: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	33 inches	72 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1
2	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1
3	7 inches	9 inches	sandy 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%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1
4	9 inches	33 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%), Lean Clay	Max: 1.4 Min: 0.42	Max: 7.8 Min: 5.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 3**

Soil Component Name: Monacan

Soil Surface Texture: 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: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 38 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
2	14 inches	25 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%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
3	64 inches	79 inches	stratified sand to clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1
4	25 inches	64 inches	sandy 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%), Lean Clay	Max: 14 Min: 4	Max: 7.3 Min: 5.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 4**

Soil Component Name: Wilkes

Soil Surface Texture: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	7 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	14 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
4	44 inches	48 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 5**

Soil Component Name: Wilkes

Soil Surface Texture: 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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
2	7 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
3	14 inches	44 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:
4	44 inches	48 inches	bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: Min:	Max: Min:

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## Soil Map ID: 6

Soil Component Name: Water

Soil Surface Texture: 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:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

## 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

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	NC0160198	1/2 - 1 Mile NNE

Note: PWS System location is not always the same as well location.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

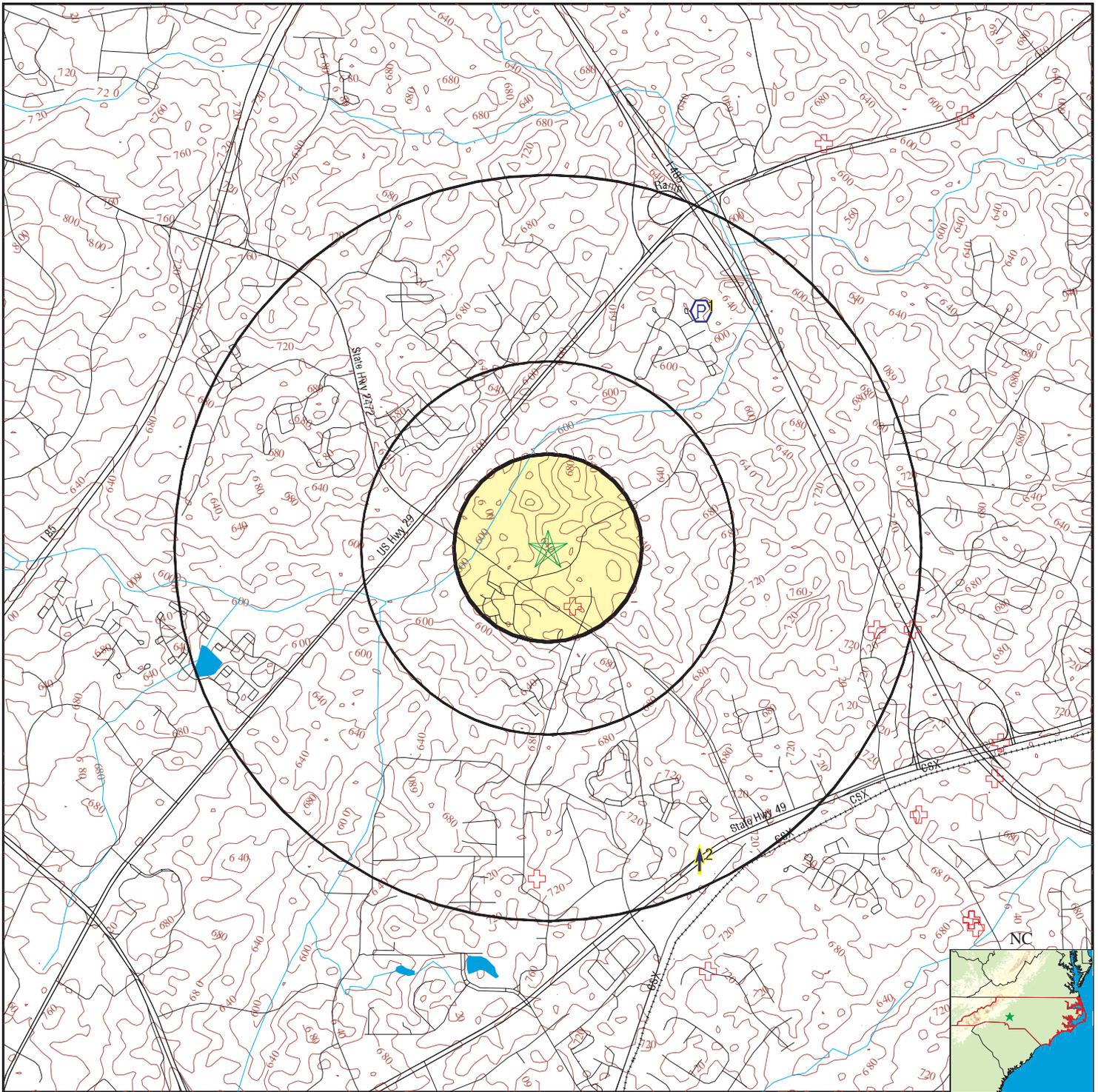
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## OTHER STATE DATABASE INFORMATION

### NORTH CAROLINA NATURAL HERITAGE ELEMENT OCCURRENCES

<u>ID</u>	<u>Class</u>
NC50001879	Plants
NC50002374	Plants
NC50003872	Plants
NC50004098	Plants
NC50005917	Plants
NC50007591	Plants
NC50008430	Natural Community Occurrence
NC50009085	Plants
NC50011222	Plants
NC50011607	Plants
NC50013971	Plants
NC50014884	Plants
NC50018615	Plants

# PHYSICAL SETTING SOURCE MAP - 2365310.18s



County Boundary

Major Roads

Contour Lines

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

0 1/4 1/2 1 Miles

SITE NAME: Mallard Creek Church East P&R  
 ADDRESS: Stone Quarry Road  
 Charlotte NC 28262  
 LAT/LONG: 35.3201 / 80.7282

CLIENT: STV/Ralph Whitehead Assoc, Inc.  
 CONTACT: Joshua Erlien  
 INQUIRY #: 2365310.18s  
 DATE: November 17, 2008 4:39 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**      **FRDS PWS**      **NC0160198**

PWS ID:                      NC0160198                      PWS Status:      Active  
 Date Initiated:              7706                      Date Deactivated:      Not Reported  
 PWS Name:                      WHEELINGTON MHP  
    CHARLOTTE, NC 28213

Addressee / Facility:      System Owner/Responsible Party  
    DEBRA J STEVENS OR MGR NOW  
    124 CARNIVAL ST  
    CHARLOTTE, NC 28213

Addressee / Facility:      System Owner/Responsible Party  
    WHEELINGTOWN ASSOCIATES  
    124 CARNIVAL STREET  
    CHARLOTTE, NC 28213

Facility Latitude:	35 19 45	Facility Longitude:	080 43 16
Facility Latitude:	35 19 56	Facility Longitude:	080 43 15
Facility Latitude:	35 19 56	Facility Longitude:	080 43 16
Facility Latitude:	35 19 45	Facility Longitude:	080 43 15
Facility Latitude:	35 13 36	Facility Longitude:	080 50 35
City Served:	CHARLOTTE		
Treatment Class	Not Reported	Population:	Not Reported

PWS currently has or had major violation(s) or enforcement:      YES

**VIOLATIONS INFORMATION:**

Violation ID:	9413081	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	07/01/93	Vio. end Date:	12/31/93	Vio. Period:	006 Months
Num required Samples:	Not Reported	Number of Samples Taken:			Not Reported
Analysis Result:	Not Reported	Maximum Contaminant Level:			Not Reported
Analysis Method:	Not Reported				
Violation Type:	Initial Tap Sampling for Pb and Cu				
Contaminant:	LEAD & COPPER RULE				
Vio. Awareness Date:	Not Reported				

Violation ID:	9407020	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:			000
Analysis Result:	Not Reported	Maximum Contaminant Level:			Not Reported
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	PH				
Vio. Awareness Date:	060194				

Violation ID:	9407019	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:			000
Analysis Result:	Not Reported	Maximum Contaminant Level:			Not Reported
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	THALLIUM, TOTAL				
Vio. Awareness Date:	060194				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9407018	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	BERYLLIUM, TOTAL				
Vio. Awareness Date:	060194				
Violation ID:	9407017	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	ANTIMONY, TOTAL				
Vio. Awareness Date:	060194				
Violation ID:	9407016	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	SULFATE				
Vio. Awareness Date:	060194				
Violation ID:	9407015	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	SODIUM				
Vio. Awareness Date:	060194				
Violation ID:	9407014	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	SELENIUM				
Vio. Awareness Date:	060194				
Violation ID:	9407013	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	NICKEL				
Vio. Awareness Date:	060194				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9407012	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	MERCURY				
Vio. Awareness Date:	060194				
Violation ID:	9407011	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	MANGANESE				
Vio. Awareness Date:	060194				
Violation ID:	9407010	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	IRON				
Vio. Awareness Date:	060194				
Violation ID:	9407009	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	FLUORIDE				
Vio. Awareness Date:	060194				
Violation ID:	9407008	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	CYANIDE				
Vio. Awareness Date:	060194				
Violation ID:	9407007	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	CHROMIUM				
Vio. Awareness Date:	060194				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9407006	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	CADMIUM				
Vio. Awareness Date:	060194				
Violation ID:	9407005	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	BARIUM				
Vio. Awareness Date:	060194				
Violation ID:	9407004	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/91	Vio. end Date:	12/31/93	Vio. Period:	036 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	ARSENIC				
Vio. Awareness Date:	060194				
Violation ID:	9407003	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	000	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	NITRATE				
Vio. Awareness Date:	060194				
Violation ID:	9403345	Source ID:	000	PWS Phone:	Not Reported
Vio. beginning Date:	04/01/94	Vio. end Date:	04/30/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	051794				
Violation ID:	9403344	Source ID:	000	PWS Phone:	Not Reported
Vio. beginning Date:	05/01/94	Vio. end Date:	05/31/94	Vio. Period:	001 Months
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Routine Major (TCR)				
Contaminant:	COLIFORM (TCR)				
Vio. Awareness Date:	061694				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID: 9400320                      Source ID: 000                      PWS Phone: Not Reported  
 Vio. beginning Date: 12/01/93                      Vio. end Date: 12/31/93                      Vio. Period: 001 Months  
 Num required Samples: Not Reported                      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported                      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 011894

Violation ID: 9400921                      Source ID: 000                      PWS Phone: Not Reported  
 Vio. beginning Date: 03/01/94                      Vio. end Date: 03/31/94                      Vio. Period: 001 Months  
 Num required Samples: Not Reported                      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported                      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 041694

Violation ID: 9400922                      Source ID: 000                      PWS Phone: Not Reported  
 Vio. beginning Date: 02/01/94                      Vio. end Date: 02/28/94                      Vio. Period: 001 Months  
 Num required Samples: Not Reported                      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported                      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 031694

Violation ID: 9400923                      Source ID: 000                      PWS Phone: Not Reported  
 Vio. beginning Date: 01/01/94                      Vio. end Date: 01/31/94                      Vio. Period: 001 Months  
 Num required Samples: Not Reported                      Number of Samples Taken: Not Reported  
 Analysis Result: Not Reported                      Maximum Contaminant Level: Not Reported  
 Analysis Method: Not Reported  
 Violation Type: Monitoring, Routine Major (TCR)  
 Contaminant: COLIFORM (TCR)  
 Vio. Awareness Date: 021594

**ENFORCEMENT INFORMATION:**

System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-03-01 - 1994-03-31		
Violation ID:	9400921		
Enforcement Date:	1994-04-28	Enf. Action:	State Formal NOV Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-03-01 - 1994-03-31		
Violation ID:	9400921		
Enforcement Date:	1994-04-28	Enf. Action:	State Public Notif Requested
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-03-01 - 1994-03-31		
Violation ID:	9400921		
Enforcement Date:	1994-06-29	Enf. Action:	State Admin Penalty Assessed

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**ENFORCEMENT INFORMATION:**

System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-03-01 - 1994-03-31		
Violation ID:	9400921		
Enforcement Date:	1994-06-29	Enf. Action:	State AO (w/penalty) Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-03-01 - 1994-03-31		
Violation ID:	9400921		
Enforcement Date:	1997-04-10	Enf. Action:	State Case Dropped
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9400922		
Enforcement Date:	1994-03-25	Enf. Action:	State Formal NOV Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9400922		
Enforcement Date:	1994-03-25	Enf. Action:	State Public Notif Requested
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9400922		
Enforcement Date:	1994-06-29	Enf. Action:	State Admin Penalty Assessed
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9400922		
Enforcement Date:	1994-06-29	Enf. Action:	State AO (w/penalty) Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-02-01 - 1994-02-28		
Violation ID:	9400922		
Enforcement Date:	1997-04-10	Enf. Action:	State Case Dropped
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-01-01 - 1994-01-31		
Violation ID:	9400923		
Enforcement Date:	1994-02-23	Enf. Action:	State Formal NOV Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-01-01 - 1994-01-31		
Violation ID:	9400923		
Enforcement Date:	1994-06-29	Enf. Action:	State Admin Penalty Assessed

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-01-01 - 1994-01-31		
Violation ID:	9400923		
Enforcement Date:	1994-06-29	Enf. Action:	State AO (w/penalty) Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-01-01 - 1994-01-31		
Violation ID:	9400923		
Enforcement Date:	1997-04-10	Enf. Action:	State Case Dropped
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-05-01 - 1994-05-31		
Violation ID:	9403344		
Enforcement Date:	1994-06-30	Enf. Action:	State Formal NOV Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-05-01 - 1994-05-31		
Violation ID:	9403344		
Enforcement Date:	1994-06-30	Enf. Action:	State Public Notif Requested
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9403345		
Enforcement Date:	1994-05-31	Enf. Action:	State Formal NOV Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9403345		
Enforcement Date:	1994-05-31	Enf. Action:	State Public Notif Requested
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9403345		
Enforcement Date:	1994-06-29	Enf. Action:	State Admin Penalty Assessed
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9403345		
Enforcement Date:	1994-06-29	Enf. Action:	State AO (w/penalty) Issued
System Name:	COUNTRY VILLAGE MHP		
Violation Type:	Monitoring, Routine Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-04-01 - 1994-04-30		
Violation ID:	9403345		
Enforcement Date:	1997-04-10	Enf. Action:	State Case Dropped

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name: COUNTRY VILLAGE MHP  
Violation Type: Initial Tap Sampling for Pb and Cu  
Contaminant: LEAD & COPPER RULE  
Compliance Period: 1993-07-01 - 2015-12-31  
Violation ID: 9413081  
Enforcement Date: Not Reported      Enf. Action: Not Reported

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**2  
SSE  
1/2 - 1 Mile  
Higher**

Site ID: 18240  
Groundwater Flow: N      **AQUIFLOW    40961**  
Shallowest Water Table Depth: Not Reported  
Deepest Water Table Depth: Not Reported  
Average Water Table Depth: Not Reported  
Depth to rock - shallowest: Not Reported  
Depth to rock - deepest: Not Reported  
Depth to rock - average: Not Reported  
Date: 05/1997

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance		Database	EDR ID Number
GIS ID: Classification by Type: Occurrence Status:	62254 Plants X	NC_NHEO	NC50001879
GIS ID: Classification by Type: Occurrence Status:	353259 Plants Extant	NC_NHEO	NC50002374
GIS ID: Classification by Type: Occurrence Status:	62278 Plants Historic, no evidence of destruction	NC_NHEO	NC50003872
GIS ID: Classification by Type: Occurrence Status:	492278 Plants Extant	NC_NHEO	NC50004098
GIS ID: Classification by Type: Occurrence Status:	82215 Plants Historic, no evidence of destruction	NC_NHEO	NC50005917
GIS ID: Classification by Type: Occurrence Status:	122505 Plants Historic, no evidence of destruction	NC_NHEO	NC50007591
		NC_NHEO	NC50008430

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### North Carolina Locations of Natural Heritage Element Occurrence Sites:

GIS ID: 171127  
Classification by Type: Natural Community Occurrence  
Occurrence Status: Extant

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NC\_NHEO NC50009085  
GIS ID: 22840  
Classification by Type: Plants  
Occurrence Status: X

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NC\_NHEO NC50011222  
GIS ID: 12544  
Classification by Type: Plants  
Occurrence Status: Extant

---

NC\_NHEO NC50011607  
GIS ID: 52254  
Classification by Type: Plants  
Occurrence Status: X

---

NC\_NHEO NC50013971  
GIS ID: 61845  
Classification by Type: Plants  
Occurrence Status: X

---

NC\_NHEO NC50014884  
GIS ID: 72215  
Classification by Type: Plants  
Occurrence Status: Historic, no evidence of destruction

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NC\_NHEO NC50018615  
GIS ID: 72160  
Classification by Type: Plants  
Occurrence Status: X

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: NC Radon

### Radon Test Results

County	Result Type	Total Sites	Avg pCi/L	Range pCi/L	Result Type
MECKLENBURG	Statistical	55	0.70	-0.30-3.60	Non-Statistical
MECKLENBURG	275	1.06	0.00-8.30		

Federal EPA Radon Zone for MECKLENBURG 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.

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### Federal Area Radon Information for MECKLENBURG COUNTY, NC

Number of sites tested: 46

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.569 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.900 pCi/L	100%	0%	0%
Basement	1.278 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.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### State Wetlands Data: Wetlands Inventory

Source: Department of Environment & Natural Resources

Telephone: 919-733-2090

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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 Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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

#### NC Natural Areas: Significant Natural Heritage Areas

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon coverage identifying sites (terrestrial or aquatic that have particular biodiversity significance.

A site's significance may be due to the presence of rare species, rare or high quality natural communities, or other important ecological features.

#### NC Game Lands: Wildlife Resources Commission 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: 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).

### RADON

#### State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statistical 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

### STREET AND ADDRESS INFORMATION

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**Mallard Creek Church East P&R**

Stone Quarry Road  
Charlotte, NC 28262

Inquiry Number: 2365310.19

November 17, 2008

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

11/17/08

**Site Name:**

Mallard Creek Church East  
Stone Quarry Road  
Charlotte, NC 28262

**Client Name:**

STV/Ralph Whitehead  
1000 W. Morehead Street  
Charlotte, NC 28208



EDR Inquiry # 2365310.19

Contact: Joshua Erlie

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by STV/Ralph Whitehead Assoc, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Mallard Creek Church East P&R  
**Address:** Stone Quarry Road  
**City, State, Zip:** Charlotte, NC 28262  
**Cross Street:**  
**P.O. #** NA  
**Project:** NA  
**Certification #** 34EF-40C2-9446



Sanborn® Library search results  
Certification # 34EF-40C2-9446

## 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.

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, 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

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**Mallard Creek Church East P&R**

Stone Quarry Road  
Charlotte, NC 28262

Inquiry Number: 2365310.20

November 18, 2008

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

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. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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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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**Date EDR Searched Historical Sources:**

Aerial Photography November 18, 2008

**Target Property:**

Stone Quarry Road

Charlotte, NC 28262

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1968	Aerial Photograph. Scale: 1"=500'	Panel #: 2435080-C6/Flight Date: February 17, 1968	EDR
1973	Aerial Photograph. Scale: 1"=750'	Panel #: 2435080-C6/Flight Date: November 30, 1973	EDR
1988	Aerial Photograph. Scale: 1"=750'	Panel #: 2435080-C6/Flight Date: October 12, 1988	EDR
1996	Aerial Photograph. Scale: 1"=750'	Panel #: 2435080-C6/Flight Date: April 23, 1996	EDR
2006	Aerial Photograph. Scale: 1"=484'	Flight Year: 2006	EDR



**INQUIRY #:** 2365310.20

**YEAR:** 1968

| = 500'



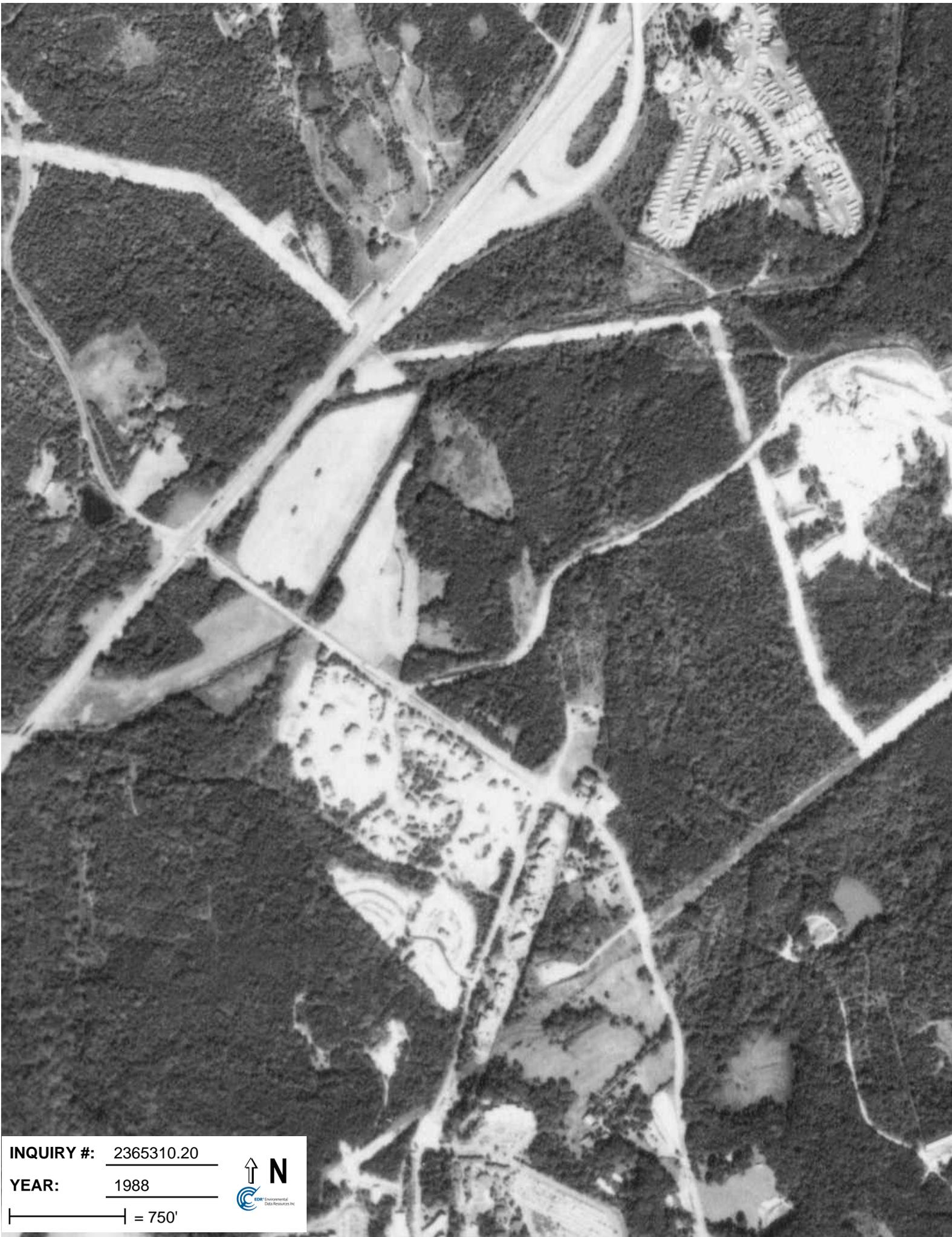


**INQUIRY #:** 2365310.20

**YEAR:** 1973

 = 750'





**INQUIRY #:** 2365310.20

**YEAR:** 1988

| = 750'





**INQUIRY #:** 2365310.20

**YEAR:** 1996

| = 750'





**INQUIRY #:** 2365310.20

**YEAR:** 2006

| = 484'

