

ENVIRONMENTAL CONSULTANT SIGNATURE PAGE FOR PHASE I REPORTS

June 1, 2012

To: Georgia Department of Community Affairs
60 Executive Park South, NE
Atlanta, Georgia 30329-2231

Ladies and Gentlemen:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 C.F.R. 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.20.

Robert Berry

June 1, 2012

Date

Environmental Professional

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitation of 40 C.F.R. Part 312 and ASTM E 1527-05 of Proposed Heritage at Gwinnett Senior Living Facility, 1340 Lawrenceville Highway, Lawrenceville, Gwinnett County, Georgia. Any exception to, or deletions from this practice are described in Section 2.6 of this report. We certify that the Phase I was performed by a qualified Environmental Professional meeting the requirements set forth in 40 C.F.R. § 312.10(b).

Jim D. Sailors

June 1, 2012

Date

Principal of Consultant

Jim D. Sailors

June 1, 2012

Date

Professional Engineer



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1.0 EXECUTIVE SUMMARY

The American Society for Testing and Materials (ASTM) Practice E-1527-05 and the 2012 Georgia Department of Community Affairs (DCA) Environmental Manual for Phase I Environmental Site Assessments were used in the preparation of this report and all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice has been conducted. The Georgia Housing and Finance Authority (GHFA) and DCA have the right to rely upon the Phase I Report prepared for the property in the same way as the owner, client and any authorized users of the Report. SEA is not affiliated with the owner/developer or a buyer or seller of the property.

1.1 Location and Legal Description of the Property

The site under investigation is located in Gwinnett County south of United States Highway 29 / Georgia Highway 8 (Lawrenceville Highway) and southeast of downtown Lawrenceville, Georgia. The subject property consists of two tracts that cumulatively measure approximately 10 acres. The subject property is currently used for single family residential purposes and the site would be redeveloped into a senior living facility. The subject parcels are identified by the Gwinnett County Tax Assessor's Office with parcel numbers 5-083-009 and 5-082-016.

The subject address is 1340 Lawrenceville Highway and the site is located in District 5, Land Lots 82 and 83, Lawrenceville, Gwinnett County, Georgia (see Area Plan). The surrounding area is a mixture of single family residences and commercial businesses. The subject property lies between Johnson Road and Lawrenceville -Suwanee Road and south of Lawrenceville Highway.

Parcel 5-083-009 Legal Description from Deed Book 2147, Page 155.

All that tract or parcel of land lying and being in Land Lots 82 and 83 of the 5th District of Gwinnett County, Georgia being shown as 1.07 acres and 5.13 acres according to a survey for James F. & Claudia A. Lowry made by S. R. Fields, Registered Land Surveyor dated September 8, 1975, revised January 22, 1977, and being more particularly described as follows:

To arrive at the true point of beginning, begin at an iron pin on the southerly side of Hwy. 29 (100'-R/W) 23.7 feet easterly from the intersection of the right of way of Hwy. 29 with the center line of Huston Road, running thence easterly along the southerly side of Hwy. 29, 40.3 feet to an iron pin, running thence South 12 degrees 30 minutes East 133.8 feet to an iron pin; running thence South 30 degrees 00 minutes East 326.0 feet to an iron pin; running thence North 60 degrees 00 minutes East 140.0 feet to an iron pin; running thence South 27 degrees 22 minutes East 599.6 feet to an iron pin at the true point of beginning;

From said true point of beginning, run North 50 degrees 44 minutes East 368.0 feet to an iron pin; running thence South 31 degrees 10 minutes East 547.3 feet to an iron pin; running thence South 59 degrees 44 minutes West 407.0 feet to an iron pin; running thence North 31 degrees 10 minutes West 547.3 feet to an iron pin; running thence North 59 degrees 44 minutes East 40 feet to the iron pin at the true point of beginning; also included herein is a 40-foot drive described as follows: BEGINNING at an iron pin on the southerly side of Hwy. 29 (100'R/W) 23.7 feet easterly from the intersection of the right of way of Hwy. 29 with the center line of Huston Road; running thence easterly along the southerly side of Highway 29, 40.3 feet to an iron pin; running thence South 12 degrees 30 minutes East 133.8 feet to an iron pin; running thence South 30 degrees 00 minutes East 326.0 feet to an iron pin; running thence North 60 degrees 00 minutes East 140.00 feet to an iron pin; running thence South 27 degrees 22 minutes East 599.6 feet to an iron pin; running thence South 59 degrees 44 minutes West 40 feet to an iron pin; running thence North 27 degrees 22 minutes West 559.8 feet to an iron pin; running thence South 60 degrees 00 minutes West 140.0 feet to an iron pin; running thence North 30 degrees 00 minutes West 372.1 feet to an iron pin; running thence North 12 degrees 30 minutes West 144.5 feet to an iron pin on the southerly side of Hwy. 29 and the point of beginning.

Parcel 5-082-016 Legal Description from Deed Book 2447, Page 242.

All that tract or parcel of land lying and being in the 5th Land District, Land Lots 82 and 83, Gwinnett County, Georgia and being more particularly described as follows: BEGINNING at a point at the intersection of the southerly right of way of Georgia Highway #8 (also known as U.S. Highway #29), and the center line of the Old Huston Road and thence proceeding easterly along the southerly right of way of Georgia Highway #8, a distance of 65.08 feet to a point; thence proceeding South 7 degrees 32' 58" East, a distance of 134.25 feet to a point; thence proceeding South 27 degrees 23' 35" East, a distance of 326.24 feet to a point; thence proceeding North 62 degrees 30' 48" East, a distance of 140.00 feet to the true point of beginning; thence proceeding North 59 degrees 35' 24", a distance of 331.62 feet to a point; thence proceeding South 30 degrees 51' 38" East, a distance of 434.64 feet to a point; thence proceeding South 59 degrees 44' West, a distance of 369 feet, to a point; thence proceeding North 26 degrees 15' 50" West, a distance of 434.64 feet to the true point of beginning, said tract containing 3.46 acres more or less.

1.2 Environmental Concerns and Conclusions

1.2.1 On-Site

The subject property did not appear on any of the regulatory lists reviewed. No evidence of stained soil, stressed vegetation, underground storage tanks, or the use of hazardous materials was observed on the subject site.

Several extended scope issues as noted in the DCA Environmental Manual were researched and will require addressing as part of the proposed redevelopment of the subject property.

Wetlands, State Waters and 100 year flood plain designated areas were identified on the subject property. The majority of the jurisdictional waters will not be disturbed as part of the proposed redevelopment of the subject property. However, a small intermittent stream running through the central portion of the subject property will have to be disturbed to accommodate the proposed buildings. Less than 300 feet of the intermittent stream and less than 1/10 acre of wetlands will be affected. A request for a jurisdictional determination has been forwarded to the Piedmont Branch, Savannah District of the Army Corps of Engineers. Once architectural plans have been completed to minimize impacts, a pre-construction notification, with necessary mitigation credit calculations, will be submitted to the Army Corps of Engineers and a Nationwide Permit #39 will be sought for the proposed impact to jurisdictional waters.

The existing residential structure will have to be removed prior to site redevelopment. A preliminary asbestos inspection of the structure indicates that some asbestos containing building materials are present. Abatement of the asbestos containing materials will be necessary prior to the demolition of the structure. The only painted surfaces associated with the structure were the exterior window frames. All other wood siding, door frames, window seals and baseboard were stained, not painted. Samples of paint from the exterior window frames did not contain lead at levels above the 0.5% by weight threshold.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05 of the proposed 10 acre, Heritage at Gwinnett Senior Development Property. With the exception of the extended scope issues mentioned above, this assessment has revealed no recognized environmental conditions in connection with the subject property.

1.2.2 Off-Site

The surrounding properties have historically been a combination of woods, cultivated property and single family residences. Five facilities appeared on the U. S. Environmental Protection Agency (EPA) or the Georgia Environmental Protection Division (EPD) regulatory lists as being within the prescribed ASTM minimum search distances to the subject site.

Wal-Mart Supercenter #3388, 1400 Lawrenceville Highway, is located approximately 500 feet west of the subject property. SEA field-verified this location during our reconnaissance of the subject site and the surrounding properties. Wal-Mart appears on the EPA RCRA generators list as a small quantity generator of hazardous waste. It has historically been registered as a small quantity, or a conditionally exempt small quantity generator. No regulatory violations or spills have been noted at the site. A wooded, undeveloped parcel separates the subject property from the Wal-Mart Supercenter. The Wal-Mart facility is topographically situated cross gradient of the subject property. Any undetected release would migrate toward Pew Creek to the south and not in the direction of the subject property. Due to topographic separation, Wal-Mart Supercenter #3388 is not identified as a recognized environmental condition with respect to the subject property.

Associated with the Wal-Mart is a Murphy USA gas station, 1410 Lawrenceville Highway. The gas station is located approximately 850 feet west of the subject property. SEA field-verified this location during our reconnaissance of the subject site and the surrounding properties. Murphy USA operates underground storage tanks and appears on the Georgia EPD list of facilities with underground storage tanks. This facility is topographically separated from the subject property and any undetected release would migrate toward Pew Creek and not in the direction of the subject property. Due to topographic separation, Murphy USA gas station is not identified as a recognized environmental condition with respect to the subject property.

Big H Food Store #101, 1184 Highway 29, is located over 1000 feet east of the subject site. SEA field-verified this location during our reconnaissance of the subject site and the surrounding properties. This facility currently operates five underground storage tanks that were installed in 1987. Big H Food Store also sells propane and was included on the above ground storage tank (AST) listing. No documentation of a spill or release was found pertaining to this facility. Big H Food Store is topographically situated cross gradient to the subject site and any undetected release would migrate toward Pew Creek and not in the direction of the subject site. Based on topographic and physiographic separation, past operations at Big H Food Store #101 are not identified as a recognized environmental condition with respect to the subject property.

Ingles Gas Express #102, 1154 Lawrenceville Highway, is located approximately 1500 feet east of the subject site. SEA field-verified this location during our reconnaissance of the subject site and the surrounding properties. This facility appears on the Georgia Environmental Protection Division list of registered underground storage tanks. The facility currently operates two underground storage tanks that were installed in 2002. No documentation of a spill or release incident was found in relation to Ingles Gas Express. Based on topographic and physiographic separation, past operations at Ingles Gas Express #102 are not identified as a recognized environmental condition with respect to the subject property.

Good Cent Cleaners, 65 Lawrenceville-Suwanee Road, is located approximately 1,650 feet southwest of the subject property on the far side of the Wal-Mart Supercenter outparcels. This facility appeared on the active dry cleaners listing. No documentation of a spill or release incident has been reported in relation to Good Cent Cleaners. In the event of an undetected release, any ground water contamination would migrate toward Pew Creek and not in the direction of the subject site. Due to topographic separation, past operations at Good Cent Cleaners are not identified as a recognized environmental condition in relation to the subject property.

No off-site recognized environmental conditions were identified.

1.3 Recommendations

1.3.1 On-Site

The subject property did not appear on any of the regulatory lists reviewed. No evidence of stained soil, stressed vegetation, underground storage tanks, or the use of hazardous materials was observed on the subject site. No evidence of a recognized environmental condition as defined by the ASTM Standard was identified in relation to the subject property.

Two extended scope environmental issues were identified that will require further investigation and/or regulatory permitting. Wetlands, State Waters and 100 year flood plain designated areas were identified on the subject property. Permitting through the Army Corps of Engineers will be necessary to impact a section of an intermittent stream that runs through the central portion of the subject site. All efforts will be made to minimize impacts and the proposed impacts will be addressed under Nationwide Permit #39 and a Pre-Construction Notification (PCN). Mitigation of the proposed impact will be handled through the purchase of mitigation credits from an approved wetlands mitigation bank.

Some asbestos containing building materials were identified inside the existing residential structure. Additional testing will be necessary to identify all asbestos containing materials and the asbestos containing materials will require abatement prior to the demolition of the structure.

1.3.2 Off-Site

The surrounding properties have historically been used for rural residential purposes and are currently a mixture of single family residences and commercial businesses.

Five facilities within the immediate vicinity appeared on various regulatory lists. These facilities are:

- Wal-Mart Supercenter #3388, 1400 Lawrenceville Highway, RCRA generators list
- Murphy USA, 1410 Lawrenceville Highway, Registered UST list
- Big H Food Store #101, 1184 Highway 29, Registered UST list
- Ingles Gas Express #102, 1154 Lawrenceville Highway, Registered UST list
- Good Cent Cleaners, 65 Lawrenceville-Suwanee Road, Dry Cleaners Listing

No documentation of a spill or release was found pertaining to the facilities mentioned above. Due to topographic and/or physiographic separation, past operations at the above mentioned facilities are not identified as recognized environmental conditions in relation to the subject property.

No additional investigation is recommended in relation to off-site conditions.

2.0 INTRODUCTION

2.1 Background (including purpose of the Phase I)

The purpose of this report is to provide a Phase I Environmental Site Assessment for an approximate 10 acre parcel of land located in District 5, Land Lots 82 and 83, Gwinnett County, Georgia (see Area Plan). The objective of this assessment is to identify obvious or reasonably likely sources of hazardous or regulated materials that may be associated with the subject property. SEA understands that the purpose of the following Phase I Environmental Site Assessment is to ascertain whether the property is environmentally suitable for construction of multi-family housing.

2.2 Procedures (including a detailed scope of services)

SEA is familiar with all federal, state, and local laws, rules and regulations pertaining to environmental site assessments. This assessment was conducted in accordance with, but not limited to, the Georgia Department of Community Affairs 2012 (DCA) Environmental Manual and standards developed by the American Society of Testing and Materials (ASTM) Standard E-1527-05.

Detailed Scope of Services

The Scope-of-Services for this Phase I Environmental Site Assessment included, but was not limited to, the following:

- a visual inspection of the property
- a visual inspection of surrounding properties which could affect the property
- personal interviews with the property owner and federal, state, and local government agencies who may have knowledge of the property history
- a review of ownership records to determine past uses of the property
- a review of current U.S. Environmental Protection Agency (EPA) and Georgia Department of Natural Resources Environmental Protection Division (EPD) reports and lists to include, but not be limited to, the following:
 - a. EPA National Priorities List (NPL) and delisted NPL sites list
 - b. EPA CERCLIS and CERCLIS NFRAP Lists
 - c. EPA RCRIS Generators, TSD and CORRACTS Lists
 - d. EPA Federal Brownfield Sites listing
 - e. Federal institutional control/engineering control registries
 - f. EPA National Spill Reports Emergency Response Notification System
 - g. State and tribal lists of hazardous waste sites identified for investigation or remediation
 - h. State and tribal equivalent NPL
 - i. State and tribal equivalent CERCLIS
 - j. State and tribal landfill and/or solid waste disposal sites lists
 - k. State and tribal leaking storage tank lists
 - l. State and tribal registered underground storage tank lists
 - m. State and tribal institutional control/engineering control registries
 - n. State and tribal voluntary cleanup sites lists
 - o. State and tribal Brownfield sites lists
- a review of available historical aerial photographs, Sanborn Fire Insurance Maps and USGS topographic maps to aid in determining past property uses and disturbances

- research of extended scope issues including: Sensitive Environmental Areas and Asset/Building Management issues included in the 2012 Georgia Department of Community Affairs Environmental Manual Guidelines

2.3 Significant Assumptions

During the preparation of this report, information was gathered from various federal, state and local government agencies. Regulatory information was obtained directly from EPA Region IV and from the Georgia EPD public information resources as well as from Environmental Data Resources, Inc. The assumption is made that the information gathered from these sources is accurate and correct.

2.4 Qualifications of Personnel/Documentation of qualifications as an “Environmental Professional”

See enclosures in Appendix H.

2.5 Assessment of Specialized Knowledge or Experience of User and/or “Environmental Professional”

Sailors Engineering Associates, Inc. has conducted environmental site assessments of multi-family residential properties for The NuRock Companies since 1995. The investigations conducted between 1995 and 1998 were not applicable to Department of Community Affairs guidelines, but covered the same non-scope issues as adopted by DCA. For our environmental assessments of multi-family residential properties conducted from 1999 to the present for The NuRock Companies, the DCA guidelines have been used to complete the reports. The experience gained from conducting the environmental site assessments with extended scope issues over the past 17 years was instrumental in our current investigation.

2.6 Limitations and Exceptions

SEA researched various historic land use maps. No historical Sanborn Fire Insurance Maps were found which cover the subject site or immediate surrounding area. Several other historical resources were available to show the historical use of the property dating back to the late 1930s. Historical city directories were reviewed at the Atlanta-Fulton County Library that cover the subject site and immediate surrounding area.

Mr. Tom Gladis is the representative for the User of this report, The NuRock Companies. DCA and GHFA may rely on the Phase I Report.

2.7 Special or Additional Conditions or Contract Terms

No special or additional conditions or contract terms were applicable.

3.0 SITE SETTING

3.1 General Description of the Site and Vicinity

The site under investigation measures approximately 10 acres and is currently used for single family residential purposes. The subject property is currently occupied by an approximate 2,400 square foot single family residence that was built in 1976. A small utility shed borders the house and is used to store typical household items. Access to the subject property is by a narrow, un-paved driveway that leads from Lawrenceville Highway. The driveway is basically an access easement leading back to the residence and this section of the overall property is only wide enough for a driveway. The former residences that fronted Lawrenceville Highway and that were previously located on either side of the subject entrance drive were recently removed. The remaining portion of the site is heavily wooded and no direct line of sight is provided to Lawrenceville Highway or the bordering properties in general. A small portion of the subject property borders Pew Creek. Portions of the site lie within the 100 year flood plain of Pew Creek. This area is heavily wooded and has remained undisturbed.

The subject property is bordered to the north by single family residential lots that front Lawrenceville Highway. One single family residence remains to the north and the other two residences were recently removed. To the east of the subject property is a relatively new townhome development known as Johnson Crossing. Due to the recent down turn in the economy, the vast majority of the townhome development was not completed and most of the lots remain vacant. Roads and underground utilities have been installed in the community and some residences associated with Johnson Crossing are present along Lawrenceville Highway and Johnson Road. To the south of the subject property is Pew Creek beyond which is a single family residential community known as Grayland Hills. To the west of the subject property is an undeveloped wooded parcel beyond which is the Wal-Mart Supercenter. An approximate 300 foot wide wooded and undisturbed buffer separates Wal-Mart from the subject property.

3.1.1 Current Site Use and Description

The subject property is currently occupied by a single family residence that was built in 1976. The remaining portion of the site is wooded and undeveloped. A gravel driveway provides access to the subject site from Lawrenceville Highway. The view from Lawrenceville Highway is obscured and the residence is very secluded.

When the entrance drive was built, a small corrugated metal pipe was placed within the channel of a small perennial stream located near the northwest corner of the subject property. As the entrance drive approached the residence, another small corrugated metal pipe is present within a drainage feature that leads to the perennial stream to the west.

3.1.2 Current Uses of Adjoining Properties

Adjoining properties are as follows:

- To the north are single family residential lots that front Lawrenceville Highway
- To the east is Johnson Crossing Townhome residential subdivision
- To the south is Grayland Hills residential subdivision
- To the west is an undeveloped wooded parcel beyond which is Wal-Mart

3.1.3 Description of Structures, Roads and Other Improvements (including exterior and interior observations)

The single family residential structure was built in 1976 and measures approximately 2400 square feet. The residence is a wood frame structure built on a crawl space and the attached carport is built on a concrete slab. The roof of the residence has wood rafters and joists and is covered with asphalt shingles. A small detached shed is located northeast of the residence. The shed is also wood framed with an asphalt shingled roof. Electricity to the structures is provided by Georgia Power Company. A sanitary sewer easement is present near Pew Creek but the residence is not connected. The residence has a septic tank system for domestic waste disposal. Municipal water is provided by Gwinnett County. The residence previously utilized a water well that is only used to irrigate the current owner's vegetable garden.

Access to the residence is via a narrow, unpaved entrance drive that leads from Lawrenceville Highway. The majority of the property is heavily wooded and undeveloped

3.2 Hydrogeology

Shallow unconfined water table conditions are present throughout the Piedmont physiographic province. Recharge to the groundwater occurs from precipitation that averages approximately 49 inches per year within the greater Atlanta area. Rainfall occurs throughout the year, although increased amounts of rainfall are typical during the spring months. Soils within the area consist predominantly of sandy silts and silty sands that allow rapid percolation of rainfall. Typically, the infiltration of precipitation through the soil to the groundwater occurs within a few days after rainfall.

3.2.1 Geologic Setting

The subject site is located in the physiographic province known as the Piedmont, which extends from the Hudson River in the north to Alabama in the south. The Piedmont is the least mountainous portion of the Appalachian Highlands. The surface of the Piedmont can be described as broadly undulating or rolling topography with low knobs or ridges, and valleys 30 to 300 feet thick. The underlying crystalline rocks of the Piedmont are metamorphic gneisses, quartzites and slates, and igneous granites and gabbros.

According to the Georgia Geologic Survey Bulletin 96 entitled *Geology of the Greater Atlanta Region*, the underlying rock present on the subject site is part of the Wolf Creek Formation. This formation is described as a thinly laminated, fine grained amphibolite interlayered with lustrous, silvery, gray biotite-muscovite-schist.

Based upon a review of the *Soil Survey of Gwinnett County, Georgia* published by the United States Department of Agriculture, the predominant soil types associated with the subject property are the Gwinnett Loam (GeB2, GeC2) and Chewacla Soils, frequently flooded (Cfs). The Gwinnett Loam is described as moderately deep, well-drained soil formed in material weathered from rock that contain dark colored minerals such as biotite, hornblende and pyroxene. This soil type typically occurs on ridgetops or on gently sloping hillsides. Chewacla Soils are described as somewhat poorly drained soils that form in alluvium. They are typically found in flood plains.

3.2.2 Surface Drainage

Site topography slopes generally to the south and southwest. The subject site contains a portion of the 100 year flood plain associated with Pew Creek.

3.2.3 Groundwater

According to the Georgia Geologic Survey Information Circular 63 entitled *Ground Water in the Greater Atlanta Region*, the subject site is located on Plate 1, in Unit “E.” Well depths in Unit “E” range from 67 feet to 386 feet, averaging 191 feet. Well yields in Unit “E” range from 20 gallons to 471 gallons per minute, averaging 79 gallons per minute.

3.3 Wetlands

The National Wetland Inventory (1991) Luxomni, Georgia Quadrangle, published by the United States Department of the Interior, identifies Pew Creek as Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded (PFO1A). Two other perennial streams noted on the Gwinnett County Geographical Information System (GIS) department’s 2008 base map are not highlighted on the NWI Map. The NWI map was derived from a review of aerial photographs and topographic maps and small features such as the perennial streams noted on the subject property are often omitted from the NWI maps. Additionally, the Wetlands Mapper on the U.S. Fish and Wildlife Service (FWS) website was queried via the Internet. No catalogued wetlands were identified for the property. Copies of the National Wetland Inventory Maps are included in Appendix A.

On May 3 and 4, 2012, Mr. Robert Berry, SEA Staff Engineer, conducted a visual reconnaissance of the property to identify any signs of wetlands and/or State Waters. Access to the entire site was available and Mr. Berry reconnoitered the property to identify suspect wetland and jurisdictional features. The Gwinnett County GIS 2008 base map notes two blue line or perennial streams and Pew Creek associated with the subject property. Another distinctive topographic feature is noted on the base map but is not identified as a blue line stream by Gwinnett County. Pew Creek crosses the extreme southwest corner of the subject property and the two perennial streams are noted as tributaries of Pew Creek. One of the perennial streams originates on the bordering property to the north and crosses the extreme northwest portion of the subject property and the other blue line stream originates on the bordering property to the southeast and crosses the extreme southeast portion of the subject property.

A copy of our Wetlands and Jurisdictional Waters Delineation Report is included in Appendix U. This report was submitted to the Army Corps of Engineers along with a request for a jurisdictional determination for the subject property. Based on our understanding, future site development will result in a disturbance of less than 300 lineal feet of an intermittent stream and less than 1/10 acre of wetlands associated with the feature located on the central portion of the subject site.

The remaining jurisdictional waters will remain undisturbed. Once plans are drawn to minimize impacts, a Pre-Construction Notification (PCN) will be sent to the Army Corps of Engineers to impact the small intermittent stream and wetland area under the terms and conditions of Nationwide Permit #39.

3.4 Floodplain/Floodway

The Federal Emergency Management Agency (FEMA) Map Service Center was queried via the Internet. The subject property is included on Gwinnett County Georgia Flood Insurance Rate Map (FIRM) community panels 13135C0087F and 13135C0088F dated 2006. The majority of the subject site is listed in Zone X, which is not within the 100-year floodplain. The portion of the subject site that borders Pew Creek is listed as Zone AE. Zone AE is designated as 100-year floodplain. Copies of the FIRM Maps are included in Appendix A. The proposed project will not impact the 100-year floodplain. The planned structures will be topographically situated several feet higher in surface elevation than the base 100-year floodplain elevation of the nearby area.

3.5 State Waters

State Waters are present along the northwest, southwest and southeast corners of the subject site. During the construction of the driveway leading to the existing residence, a small stream crossing was required near the northwest corner of the property. The construction of this crossing occurred during the 1970s when the house was built. The small stream on the northwest portion of the site exits the subject property and eventually feeds Pew Creek. A small pond was previously located on the adjacent property to the southeast. The dam associated with the former pond has been breached and the corrugated metal drain pipe for the small pond discharges surface water onto the subject property. The stream that has formed below the spill pipe meanders across the southeast corner of the subject property and eventually feeds Pew Creek. A small portion of Pew Creek crosses the southwest corner of the subject property. The above mentioned streams and Pew Creek are all considered State Waters. Another small drainage feature crosses the central portion of the subject property. Gwinnett County does not identify this feature as State Waters, however, this feature would be considered jurisdiction waters by the Army Corps of Engineers. The NuRock Companies has submitted a jurisdiction determination request to the Army Corps of Engineers and anticipates applying for a Nationwide #39 permit to impact the drainage feature.

The proposed development will not impact/disturb the areas within a 100-foot buffer zone/setback of the State Waters located on the northwest, southwest or southeast portions of the subject property. Permitting through the Army Corps of Engineers will be required to impact the centrally located drainage feature (see Appendix U).

3.6 Endangered Species

According to the United States Fish and Wildlife Service website there are three threatened or endangered plant species listed for Gwinnett County, Georgia. The Georgia Department of Natural Resources (DNR) list other occurrences of plant species in the county that are considered rare, threatened or endangered. Based on a review of the Georgia DNR website, no documented occurrences of the threatened or endangered plant species are noted for the quarter quadrangle in which the subject property is located. The EDR NEPA Check Report referenced several birds/mammals as being endangered including the Bald Eagle, the Red-Cockaded Woodpecker, the Gray Bat and the Indiana Bat. According to the Georgia Department of Natural Resources, National Heritage Inventory Program, no Animal, Natural Community, or Plant endangered species have been identified in Gwinnett County, Georgia or on the subject property. Copies of threatened and endangered species maps and literature are included in Appendix P.

4.0 REGULATORY INFORMATION

4.1 Data Review

The following lists and reports were reviewed to determine if the subject site or properties in the surrounding vicinity were recorded. The approximate minimum search distances (AMSD) used were equal to or greater than the distances recommended in ASTM (American Society for Testing and Materials) Practice E-1527-05 and the 2012 Georgia Department of Community Affairs Environmental Guidelines for Phase I Environmental Site Assessments. For listings not mentioned in ASTM E-1527-05, a minimum search distance of an equivalent list was used. Regulatory data was provided by Environmental Data Resources (EDR). A copy of the EDR report is included in Appendix G. Additional information was collected through the use of our in-house databases.

1. United States Environmental Protection Agency National Priorities List (NPL) dated September 7, 2011 (AMSD = 1.0 mile) and the Delisted NPL Site List dated September 7, 2011 (AMSD = 1.0 mile).
2. United States Environmental Protection Agency Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list dated December 27, 2011 and the CERCLIS No Further Remedial Action Planned (NFRAP) listing dated December 28, 2011 (AMSD = 0.5 mile).
3. United States Environmental Protection Agency Resource, Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) listing dated August 19, 2011 (AMSD = 1.0 mile).

4. United States Environmental Protection Agency RCRA non-CORRACTS Treatment, Storage, and Disposal (TSD) facilities listing dated November 10, 2011 (AMSD = 0.5 mile).
5. United States Environmental Protection Agency RCRA generators listing dated November 10, 2011 (AMSD = 0.25 mile).
6. United States Environmental Protection Agency institutional controls and/or engineering control registries dated December 30, 2011 (AMSD = 0.5 mile).
7. United States Environmental Protection Agency Emergency Response Notification System (ERNS) National Response Center (NRC) spill reports dated October 3, 2011 (AMSD = property only).
8. Georgia Department of Natural Resources Hazardous Site Inventory (HSI) dated July 1, 2011 updated via the internet through December of 2011 (AMSD = 1.0 mile).
9. Georgia Department of Natural Resources Hazardous Sites Response Act release notification files (non-HSI) through April 1, 2012 (AMSD = 1.0 mile).
10. Georgia Department of Natural Resources Solid Waste landfill listing including active, closed and inert landfills dated March 4, 2011 (AMSD = 0.5 mile).
11. Georgia Department of Natural Resources Underground Storage Tank Management Program list of leaking underground storage tanks dated January 11, 2012 (AMSD = 0.5 mile).
12. Georgia Department of Natural Resources Underground Storage Tank Management Program list of registered Underground Storage Tanks dated March 8, 2012 (AMSD = 0.25 mile).
13. Georgia Department of Natural Resources institutional control/engineering control registries dated October 27, 2011 (AMSD = 0.5 mile).
14. Georgia Department of Natural Resources Hazardous Site Reuse and Redevelopment Act list of properties that have entered the Voluntary Brownfield Program dated October 27, 2011 (AMSD = 0.5 mile).
15. Georgia Department of Natural Resources Emergency Response Team Spill records available from 1990 through April 4, 2012 (AMSD = target property).

The subject site did not appear on any of the regulatory lists reviewed. Therefore, the subject property has neither reported, nor been suspected of a hazardous waste or toxic substance release of which the USEPA or the Georgia EPD are aware.

There are no current or delisted NPL sites within a one-mile radius of the Property. There are no Federally-recognized jurisdictional Indian lands in Gwinnett County, Georgia and there are no State-recognized jurisdictional Indian lands in Gwinnett County, Georgia. There is no Federal or State Institutional/Engineering Controls registered for the subject property.

No recognized environmental conditions in connection with the property were identified as part of the regulatory review.

4.1.1.1 Sites listed in Section 8.2.1 of ASTM E 1527-05 and in Exhibit B1

Wal-Mart Supercenter #3388, 1400 Lawrenceville Highway, is located approximately 500 feet west of the subject property. SEA field-verified this location during our reconnaissance of the subject site and the surrounding properties. Wal-Mart appears on the EPA RCRA generators list as a small quantity generator of hazardous waste. It has historically been registered as a small quantity, or a conditionally exempt small quantity, generator. No regulatory violations or spills have been noted at the site. A wooded, undeveloped parcel separates the subject property from the Wal-Mart Super Center. The Wal-Mart facility is topographically situated cross gradient of the subject property. Any undetected release would migrate toward Pew Creek to the south and not in the direction of the subject property. Due to topographic separation, Wal-Mart Supercenter #3388 is not identified as a recognized environmental condition with respect to the subject property.

Though not included on the above ground storage tank listing, Wal-Mart stores numerous 20 pound capacity liquid propane tanks for retail exchange as a service to their customers. Blue Rhino Company services the grill type propane tanks. The propane tanks are stored in a locked metal cage. The storage and retail exchange of small propane tanks at Wal-Mart is not identified as a recognized environmental condition in relation to the subject property.

Murphy USA gas station, 1410 Lawrenceville Highway. The gas station is located approximately 850 feet west of the subject property. SEA field-verified this location during our reconnaissance of the area. Murphy USA operates underground storage tanks and appears on the Georgia EPD list of facilities with underground storage tanks. This facility is topographically separated from the subject property and any undetected release would migrate toward Pew Creek and not in the direction of the subject property. Due to topographic separation, Murphy USA gas station is not identified as a recognized environmental condition with respect to the subject property.

Big H Food Store #101, 1184 Highway 29, is located over 1000 feet east of the subject site. SEA field-verified this location during our reconnaissance of the area. This facility currently operates five underground storage tanks that were installed in 1987. Big H Food Store also sells propane and was included on the above ground storage tank (AST) listing. No documentation of a spill or release was found pertaining to this facility. Big H Food Store is topographically situated cross gradient to the subject site and any undetected release would migrate toward Pew Creek and not in the direction of the subject site. Based on topographic and physiographic separation, past operations at Big H Food Store #101 are not identified as a recognized environmental condition with respect to the subject property.

Ingles Gas Express #102, 1154 Lawrenceville Highway, is located approximately 1500 feet east of the subject site. SEA field-verified this location during our reconnaissance of the area. This facility appears on the Georgia Environmental Protection Division list of registered underground storage tanks. The facility currently operates two underground storage tanks that were installed in 2002. No documentation of a spill or release incident was found in relation to Ingles Gas Express. Based on topographic and physiographic separation, past operations at Ingles Gas Express #102 are not identified as a recognized environmental condition with respect to the subject property.

Good Cent Cleaners, 65 Lawrenceville-Suwanee Road, is located approximately 1,650 feet southwest of the subject property on the far side of the Wal-Mart Supercenter outparcels. This facility appeared on the active dry cleaners listing. No documentation of a spill or release incident has been reported in relation to Good Cent Cleaners. In the event of an undetected release, any ground water contamination would migrate toward Pew Creek and not in the direction of the subject site. Due to topographic separation, past operations at Good Cent Cleaners are not identified as a recognized environmental condition in relation to the subject property.

No other sites corresponding to Section 8.2.1 of ASTM E 1527-05 were listed within the prescribed minimum search distances.

4.1.1.2 Orphan/Unmappable Sites

The Environmental Data Resources (EDR) radius report identified numerous facilities as Orphan/Unmappable Sites. The list of the Orphan/Unmappable Sites is included in Appendix G. The list of Orphan/Unmappable Sites was reviewed and no listings were found within close proximity of the subject property. Most of the sites pertained to inert landfills associated with residential subdivisions. None of the subdivisions listed were identified in close proximity to the subject site.

SEA field verified that none of the above mentioned facilities are located within the prescribed ASTM or DCA Guidelines minimum search distances as being a potential source for environmental contamination to the subject site.

4.1.2 Additional Environmental Record Sources

4.1.2.1 Local Brownfield Lists

No Brownfield sites are located within the prescribed ASTM minimum search distance.

4.1.2.2 Local Lists of Landfill/Solid Waste Disposal Sites

No Landfill/Solid Waste Disposal Sites are located within the prescribed ASTM minimum search distance.

4.1.2.3 Local Lists of Hazardous Waste/Contaminated Sites

No documented Hazardous Waste/Contaminated Sites are located within one mile of the subject property. The nearby Wal-Mart Supercenter is listed as a small quantity generator of hazardous waste simply due to the common household materials displayed in their showroom for retail sale. When the small containers of common household items are damaged, proper disposal is required.

4.1.2.4 Local Lists of Registered Storage Tanks

No registered underground storage tanks were identified on or adjacent to the subject property. The nearest registered underground storage tanks are located approximately 850 feet southeast of the subject site at The Murphy USA gas station. This facility is further discussed in section 4.1.1.1 above. This facility is topographically removed from the subject property and is not identified as a recognized environmental condition relative to the subject site.

4.1.2.5 Local Land Records (for activity and use limitations)

A review of local land records did not reveal any recognized environmental conditions associated with the subject property nor were any activity or use limitation restrictions found due to environmental issues. We note that The NuRock Companies is seeking a change in current zoning stipulations to develop the subject property with a senior living facility.

4.1.2.6 Records of Emergency Release Reports

No documentation of spills or releases was found within the prescribed ASTM minimum search distance.

4.1.2.7 Records of Contaminated Public Wells

No contaminated public wells are located within the vicinity of the subject property.

4.1.2.8 Planning Department Records

SEA reviewed the Gwinnett County Planning and Development re-zoning analysis report that was initially submitted to Gwinnett County for approval.

The re-zoning analysis report indicates that the current zoning for the subject property is Single Family Residence District (R-ZT). Subsequent meetings between The NuRock Companies and the Gwinnett County Planning and Development Board has resulted in approval to have the subject property rezoned to accommodate a new senior living facility. Gwinnett County has been receptive to the proposed rezoning and the redevelopment of the subject property to a senior living facility complements future land use plans as a Corridor Mixed Use Character Area.

No additional building permit information was available beyond the initial development of the site with a single family residence.

4.1.2.9 Local/Regional Pollution Control Agency Records

The subject property was not listed in any local/regional pollution control agency records.

4.1.2.10 Local/Regional Water Quality Agency Records

Gwinnett County met or exceeded all Federal drinking water quality standards in 2011. The most current analysis and supporting documentation available for water quality in Gwinnett County is for 2011. No violation of water treatment rules was issued by the EPA for the Gwinnett County water system. A copy of the Gwinnett County Water System 2011 Water Quality Report is included in Appendix O.

4.1.2.11 Local Electric Utility Companies (for records related to PCBs)

One pole mounted electrical transformer is located on the subject property to service the existing residence. The pole mounted electrical transformer is owned and operated by Georgia Power Company. No evidence of stained soil, stressed vegetation or other indications of impact was observed beneath the electrical transformer. In the event of a transformer malfunction, Georgia Power Company would be responsible for any corrective action measures.

4.1.2.12 Other

No tribal lands or national historic sites are located on or within the vicinity of the subject site.

4.2 Agency Contacts/Records

4.2.1 Local Fire Department Official

SEA contacted the Gwinnett County Fire Department regarding any documentation of emergency responses of an environmental nature to the subject or surrounding properties. Ms. Misti Holbrook, Administrative Support Associate with the Gwinnett County Department of Fire and Emergency Services, responded to our request via email on May 15, 2012. In her reply, no incidents of an environmental nature were found through her database research. A copy of the response letter from Gwinnett County Department of Fire and Emergency Services is included in Appendix H.

4.2.2 State, Local, or Regional Health or Environmental Agency

Gwinnett County's GIS department has recent septic tank permit files available through their web based resources. Our research of the web based resources found no documentation of the septic tank permit for the subject parcels. To further investigate, SEA visited the Gwinnett County Environmental Health Department at 455 Grayson Highway in Lawrenceville, Georgia to inquire of older permits for septic tanks and any other health issues in relation to the subject property. Ms. Marilyn Kelley with the Environmental Health office, researched their paper files for septic tank permits pertaining to the subject address. Ms. Kelley searched her files using the current and previous owner names as well as surrounding addresses. No permit for the existing septic tank permit was found. Ms. Kelley related that since the structure was built in 1976, the original permit could have been lost or misfiled. She had no documentation pertaining to repairs or any environmental health issues associated with the subject property.

4.2.3 Local Building Permit Agency Official

Gwinnett County tax records show that the existing structure was built in 1976 and measures approximately 2400 square feet.

4.2.4 Local Groundwater Use Permit Agency Official

The Gwinnett County Environmental Health Department was contacted in relation to the water well located on the subject property. A review of their files found no documentation of any complaints or adverse water conditions in relation to the existing well. Mr. Charles Cassady, current owner, related that the old bored water well would run dry and he connected to the municipal water supply when the opportunity was made available. Mr. Cassady was not aware of any environmental issues associated with his water well. In times of drought, he uses the well to water his vegetable garden.

4.3 Interviews

4.3.1 Current Key Site Manager, Occupants, or Owners of the Property

Mr. and Mrs. Charles Cassady are the current owners of the property. The Cassady's purchased the property from members of the Lowry family in 1981. The home was present when they acquired the property and later additions to the home were subsequently added. The Cassady's related that no underground storage tanks are associated with the property. Their home has been their place of residence for the past 30 years and to their knowledge, no environmental problems have ever been encountered.

4.3.2 Current Owners or Occupants of Neighboring Properties

No immediate neighbors border the subject property. Residents of the Grayland Hills Subdivision to the south are well removed from the subject property. No houses have been built along the common property boundary in the newly constructed Johnson Crossing Townhome subdivision to the east. Mrs. Lowry, longtime resident of property to the north recently passed away and the property to the west is wooded and undeveloped.

4.3.3 Past Owners, Occupants, or Operators of the Property

Ms. George Lowry previously owned the subject and surrounding properties. Ms. Lowry recently passed away and her old home site along Lawrenceville Highway was recently demolished by her family due to vandalism. Mrs. Myra Cassady, current property owner, occasionally speaks with members of the Lowry family in relation to potential real estate deals regarding her and their property.

4.3.4 User(s)

Mr. Tom Gladis is the representative for the user of this report, The NuRock Companies. Mr. Gladis was unaware of any recognized environmental condition associated with the subject property.

4.3.4.1 Title Records

Title records were not provided by the User. SEA independently researched the title records for the subject site dating back to 1938. The current owners of record are Charles G. Cassady and Myra E. Cassady. The Cassady's acquired the subject property from Mrs. George R. Lowry. A deed dated February 28, 1981 in Deed Book 2147, Page 157 transferred ownership of a 1.07 acre parcel and a 5.13 acre parcel to the Cassady's. A deed dated September 15, 1982 in Deed Book 2447, Page 242 transfers ownership of a 3.46 acre parcel to the Cassady's from Mrs. Lowry. Mrs. Lowry inherited the property from her husband Mr. George R. Lowry. Mr. George R. Lowry acquired a larger 27.6 acre parcel of land that included the subject site from Sam Craig Jr. on June 7, 1938 per Deed Book 64, Page 320.

A summary of the title records reviewed by SEA is included in Appendix D.

4.3.4.2 Environmental Liens

No environmental liens were identified during the chain of title search.

4.3.4.3 Specialized Knowledge of the User

The User has no specialized knowledge of the site.

4.3.4.4 Commonly Known/Reasonably Ascertainable Information

The User is not aware of any commonly known or reasonably ascertainable information.

4.3.4.5 Reason for Performing the Phase I

The User authorized SEA to perform a Phase I Environmental Site Assessment for the proposed Senior Living facility as part of a prospective real estate transaction to redevelop the property into a multi-family residential apartment complex with federal funding. Additionally, SEA assumes the purpose of the Phase I Environmental Site Assessment is to qualify for a Landowner Liability Protection to CERCLA liability.

4.3.4.6 Relationship of Purchase Price to Fair Market Value (if Property being purchased)

4.3.4.6.1 Purchase Price

According to information provided by the User, the purchase price is \$750,000.00

4.3.4.6.2 Differential between Purchase Price and Market Value

Not Applicable

4.3.4.6.3 Reason For Any Differential

Not Applicable.

5.0 SITE INFORMATION AND USE

5.1 Site Reconnaissance Methodology and Limiting Conditions

On May 3 and 14, 2012, Mr. Robert Berry, SEA Staff Engineer, conducted a visual inspection of the subject site and vicinity. Access was available to all areas of the property. The subject site is indicated on the Area and Site Plans in Appendix A. The site inspection included a walking observation tour of the entire site and adjacent properties. No evidence of hazardous materials, underground storage tanks, stained soil or stressed vegetation was observed on the subject property. No sources for noxious odors such as surface waters, wells, stained soil, storage containers/pipes, or tanks were observed. There was no indication of burial areas, or any indication of hazardous waste or raw material storage areas. Several captioned photographs of the subject site and vicinity are included in Appendix B.

5.2 General Site Setting

The site under investigation measures approximately 10 acres and is located on the south side of Lawrenceville Highway between Lawrenceville-Suwanee Road and Johnson Road. The subject site is currently used for rural residential purposes. A single family residential structure is located on the back portion of the property and a long, unpaved entrance drive provides access to the residence from Lawrenceville Highway. A portion of Pew Creek runs along the southern property boundary beyond which is a residential subdivision known as Grayland Hills. To the west of the subject property is a townhome subdivision known as Johnson Crossing. A limited number of townhomes have been built in the subdivision. To the north of the subject property are two vacant residential lots and one residential lot that is still occupied. The residential lots front Lawrenceville Highway. To the east of the subject property is a wooded, undeveloped lot beyond which is the Wal-Mart Supercenter.

5.3 Assessment of Commonly Known/Reasonably Ascertainable Information

The subject site has historically been used for rural residential property. The existing residence was built by the Lowry family who owned the property back to 1938 and the current owners have lived in the house since 1981. With the exception of the single family residence, the property has historically remained wooded and undeveloped. Large mature hardwood and pine trees seclude the residence and the central portion of the property from all surrounding subdivisions and streets.

No evidence of stained soil, stressed vegetation, underground storage tanks, suspect hazardous material containers, or the suspect use of hazardous materials was observed on the subject site. No evidence of a recognized environmental condition was found associated with the subject property.

5.4 Current Site Use

The subject property is currently used for single family residential purposes. The existing residence was built in 1976 and the current owners have been living in the house since 1981. A small shed is located adjacent to the house and is used to store common household items such as lawn mowers, a garden tiller and tools. The remainder of the site is heavily wooded and undeveloped. An unpaved, gravel drive provides access to the residence from Lawrenceville Highway. The entrance drive is essentially an access easement only wide enough for the drive. Approximately 450 feet from Lawrenceville Highway, the entrance drive makes a sharp turn to the west and the subject property widens for the remaining depth of the property.

The site's topography slopes generally to the south and southwest toward the Pew Creek, which borders the southern end of the subject property. Several small drainage features cross other sections of the property. Two of the drainage features are identified by Gwinnett County as perennial or blue line streams and one of the features is considered intermittent. A corrugated metal pipe runs beneath the entrance drive where the drive makes a sharp turn to the east. Closer to the residence, another corrugated metal pipe runs beneath the existing drive to drain the adjacent intermittent stream during heavy rain events.

5.4.1 Storage Tanks

No evidence of an underground storage tank was found during our visual inspection. Our review of regulatory information did not reveal any registered USTs or ASTs on or adjacent to the subject site. Our interview with current property owner, Mrs. Myra Cassady, revealed the presence of an empty above ground storage tank beneath their porch. The initial builders of the residence had considered utilizing the above ground tank to store water that would be heated by solar panels. According to Mrs. Cassady, the above ground tank would have only held water but was never used. The above ground storage tank remains empty.

5.4.2 Hazardous and Petroleum Products Containers/Drums

No hazardous and/or petroleum products containers/drums were observed during our visual inspection of the subject site.

5.4.3 Heating and Cooling

The heating and cooling system for the residence is total electric and consists of a heat pump. No fuel oil tank is associated with the property.

5.4.4 Solid Waste

No trash piles or commercial solid waste containers were identified on the subject site. A small trash bin is used by the residents to collect everyday household waste for pickup by the local waste collection company.

5.4.5 Sewage Disposal/Septic Tanks

A sanitary sewer line runs in close proximity to the subject property along Pew Creek. The current residence is not connected to the municipal sewer system and uses an on-site septic tank system. SEA contacted the Gwinnett County Environmental Health Department and no record of the septic tank permit was found. Due to the age of the system, the tank permit has likely been lost or misfiled.

Based on conversations with the current owners, the septic tank system functions properly and no repairs to the system have ever been required.

5.4.6 Hydraulic Equipment

No compressors, underground hydraulic lifts or hydraulic equipment were observed on the subject site.

5.4.7 Contracted Maintenance Services

No contracted maintenance services are provided to the subject property.

5.4.8 Electrical Transformers/PCBs

One pole mounted electrical transformer serves the existing residence. The pole mounted electrical transformer is owned and operated by Georgia Power Company. In the event of a malfunction, Georgia Power Company would be responsible for any mitigation measures if necessary. No sign of a spill or release was observed beneath the electrical transformer.

5.4.9 Water Supply and Wells

The existing residence is connected to the Gwinnett County municipal water supply. Gwinnett County has met or exceeded all Federal drinking water quality standards in 2011. No violation of water treatment rules were issued by the EPA for the Gwinnett County water system. A copy of the 2011 Gwinnett County Water Quality Report is included in Appendix O.

An unused water well is present on the subject property. According to Mr. Cassidy, the water well was taken out of service when access to the municipal water supply became available. Mr. Cassidy related that his bored well would run dry and he welcomed the opportunity to connect to the local water supply.

5.4.10 Drains and Sumps

No drains or sumps were observed during our visual inspection of the subject site.

5.4.11 Pits, Ponds, Lagoons, and Surface Waters

No pits, ponds, or lagoons are located on the subject site. Two storm water detention ponds border the subject property to the east and both are associated with the Johnson Crossing Townhome subdivision. Surface water was observed emanating from both storm water detention ponds at the time of our site visit.

5.4.12 Stressed Vegetation

No stressed vegetation was observed on the subject site.

5.4.13 Stained Soil or Pavement

No evidence of stained soil was observed on the subject site or adjacent properties.

5.4.14 Odors

No noxious odors were detected on the subject site.

5.4.15 Utilities/Roadway Easements

A sanitary sewer easement is present on the extreme southwest corner of the subject property. The sewer line runs adjacent to Pew Creek.

5.4.16 Chemical Use

SEA did not observe evidence of chemical use, chemical containers, stained soils, or stressed vegetation during our visual inspection of the subject site.

5.4.17 Water Leaks/Mold/Fungi/Microbial Growth

No water leaks, mold, fungi or microbial growth was observed inside the residential structure.

5.4.18 Asbestos

Since the residence was occupied by the current owners, destructive type sampling for suspect asbestos containing materials was not conducted. The house was visually inspected for suspect asbestos containing materials and based on the age of the structure, several suspect asbestos containing materials were identified. In areas where damage to suspect materials could be minimized, some samples were collected. Mr. Berry, EPA AHERA Accredited Asbestos Inspector, collected samples of linoleum flooring, ceiling texture and asphalt shingles. The samples were submitted for laboratory analysis and analyzed for asbestos fibers using Polarized Light Microscopy (PLM). The samples of spray applied ceiling texture (popcorn) and linoleum flooring both tested positive for asbestos. No asbestos was detected in the samples of roofing shingles and felt. The asbestos containing ceiling texture and linoleum flooring was present throughout the structure. Prior to demolition, a thorough asbestos inspection of the structure will need to be completed to identify any other asbestos containing materials. Once all asbestos containing materials have been identified, abatement of these materials will be necessary prior to the demolition of the structure. Laboratory analytical data sheets are included in Appendix E.

5.4.19 Lead-Based Paint

The existing residential structure was inspected for suspect lead based paint. The exterior siding of the residence consists of cedar shake wooden slats. The cedar siding has been stained and no paint is present on the exterior siding. The only painted surface observed on the exterior of the residence was around the window frames. Two samples of paint from the window frames were collected for analysis. The samples were transported under chain of custody to Analytical Environmental Services, Inc (AES) and were analyzed for lead by EPA Method N7082, Total Lead in Paint. No lead was present in the samples submitted for laboratory analysis at levels above 0.5 percent lead by weight. Since the paint associated with the exterior window frames is not considered lead based, additional testing for this extended scope issue is not required. The interior window frames, door frames and baseboards were all stained and no paint was present. The paint used on the walls was not peeling and was likely a water based, latex paint as opposed to a lead based paint. Laboratory analytical data sheets are included in Appendix E.

5.4.20 Lead in Drinking Water

Since the existing structure would be demolished to accommodate new construction, the water inside the home was not tested for lead. Gwinnett County's municipal water supply meets or exceeds all current drinking water quality standards.

5.4.21 Radon

SEA reviewed the United States EPA Map of Radon Zones as it pertains to the State of Georgia. The subject property is located in Zone 4, which has a predicted indoor average screening level above 4.0 pCi/L. A copy of the radon map is included in Appendix A.

The EDR Radius Report located in Appendix G includes a discussion regarding Radon gas in Gwinnett County. It notes 44 sites have reported testing results. The average radon gas level on the first floor living area was 2.402 pCi/L and the average radon gas level for the basement level was 3.057 pCi/L.

To further investigate, SEA installed one set of radon gas canisters in the existing residence. The radon gas detection canisters were left undisturbed and exposed to the ambient air along the interior wall of the residence's living room for approximately 68 hours. The average radon gas level in the home was 1.8 pCi/L which is well below 4.0 pCi/L which would be considered elevated.

5.4.22 Noise

The criteria under DCA guidelines that would require a Noise Assessment Level (NAL) Study was investigated as part of this assessment. Data pertaining to average daily traffic counts along Lawrenceville Highway and Johnson Road were obtained from the Georgia Department of Transportation's internet website and/or from the Gwinnett County Department of Transportation's website. According to the information obtained, the average daily traffic count along Lawrenceville Highway in the vicinity of the subject site was 25,710 for the year 2010. Assuming a 3 percent increase in traffic volume per year, the ADT count along Lawrenceville Highway by 2022 would be 36,300. The closest point between the center line of Lawrenceville Highway Road to the proposed building location would be 450 feet. No clear line of sight is present between Lawrenceville Highway and the proposed closest building location. A barrier consisting of residential structures and dense forest completely blocks all visible line of sight. The estimated height of the mature trees above the road level is 50 feet.

According to the information obtained, the ADT count along Johnson Road for 2011 was 7,640. Assuming a 3 percent increase in traffic volume per year, the ADT count along Johnson Road by 2022 would be 10,575. The closest proposed building to the center line of Johnson Road is approximately 980 feet. No clear line of sight exists between Johnson Road and the closest proposed residential building. A barrier consisting of townhomes along Johnson Road and a barrier of mature trees lies between Johnson Road and the closest proposed building. The estimated height of the townhomes above Johnson Road is 20 feet and the estimated height of the mature trees between Johnson Road and the closest proposed building is 50 feet.

Additional information obtained from the various Department of Transportation websites suggest that the percent of heavy trucks along a rural minor arterial route such as Lawrenceville Highway is approximately 8 percent and medium trucks is approximately 4 percent. The grade along Lawrenceville Highway near the subject site is 3 percent and the grade along Johnson Road is 3 percent near the subject site. No stop signs are located within 600 feet along either road and both roads have traffic signals to control traffic flow. Plugging this information into the HUD Community Planning and Development Site DNL Calculator, the predicted decibel level the subject site as a result of road traffic is approximately 67 decibels. The HUD DNL calculator does not take into consideration the barriers present between the roads and the proposed residential structures. Using the worksheets included HUD Noise Assessment Guideline Manual, the type barrier present between the existing roadways and the proposed residential structures will reduce the decibel levels from the roads between 12 and 15 decibels. This reduction would lower anticipated noise levels from automotive traffic to levels well below the 65 decibel threshold level for exterior noise.

Railway noise was also considered in determining the site's suitability for noise. The closest railroad track to the subject property is approximately 1,800 feet north. The closest at grade crossing for the CSX rail line is over one mile southwest at Patterson Road. Overpasses for the trains are present on Sugarloaf Parkway, Lawrenceville Highway and Lawrenceville-Suwanee Road. No whistle or horn signals are required for the crosses at the above mentioned roadways with overpasses. SEA contacted CSX and requested data pertaining to the average number of diesel locomotives, the average number of railcars, the average speed of the trains and the average number of daytime and nighttime trains passing through the area. Information provided by CSX is included in Appendix G.

To further investigate, SEA inspected the closest at grade crossing located on Patterson Road. This crossing is identified by CSX as 639-786M and mile post SG-548.06. Representatives for CSX Railroad were present at the crossing working on repairs to the rail. SEA spoke with the CSX representatives and inquired about the estimated number of trains passing through the crossing per day. The CSX representatives estimated that 16 trains per day pass through the area. The CSX representatives were also able to convey what time the next train was scheduled to pass through the crossing. Mr. Berry waited and proceeded to count the number of locomotives and railcars. The train had two diesel locomotives and 37 railcars. The train's speed was estimated to be less than 30 miles per hour (mph) at the crossing but the information provided by CSX indicates the track is designed for 50 mph. The CSX representatives also confirmed that the tracks were welded and not bolted. Inserting the above information into the HUD DNL Calculator, a train noise decibel level of approximately 45 decibels was calculated. This is well below the 65 decibel level for exterior noise.

The final means of transportation evaluated for noise is air traffic. No military airfields are located within 15 miles of the subject property. The closest civilian airport is Gwinnett's Briscoe Field. Briscoe Field is located over 4 miles northeast of the subject property and the flight pattern for take-off and landing is east to west. Information pertaining to the estimated noise levels surrounding Briscoe Field were obtained from the Gwinnett County Transportation Department. A copy of the projected noise level contour map surrounding the airport for the years 2015 and 2025 are included in Appendix F. The 65 decibel level does not propagate far beyond the boundaries of the airport. Air traffic noise will not be a contributing factor to the overall noise levels at the subject property.

The information entered into the HUD DNL Calculator results in an overall noise level from all three sources as less than 67 decibels. As noted above, the DNL calculator does not take into consideration barriers present between the noise sources (railroads and highways) and the proposed living areas. Using the barrier noise reduction worksheets in the HUD Noise Assessment Guideline Manual, results in a significant noise reduction as a result of the existing barriers.

Based on our calculations, the subject property is acceptable for noise and no barrier construction will be necessary. During our many site visits, the dense canopy associated with the subject site made the noise level along Lawrenceville Highway and any other source almost un-noticeable. Supporting data pertaining to noise levels is presented in Appendix G.

5.4.23 Vapor Encroachment Screening

Concurrent to our Phase I Environmental Site Assessment, a Tier I Vapor Intrusion Assessment (VIA) or Vapor Encroachment Condition (VEC) assessment was conducted. The Tier I screen was conducted in accordance with the scope and limitations presented in ASTM Standard 2600-10. The purpose of the Tier I screen is to determine if a VEC exists at the target property. All of the resources consulted as part of the Phase I Environmental Site Assessment were considered in the Tier I screen process.

The subject property is currently used for rural residential purposes and much of the property is wooded and undeveloped. The surrounding properties are currently used for single family residential purposes, with the closest retail businesses located along Johnson Road to the east and Lawrenceville-Suwanee Road to the west. The subject property has historically remained wooded and undeveloped with the exception of the existing residence. The surrounding properties have historically been undeveloped, used for agricultural purposes, or used for single family residential purposes.

No unique geological feature is associated with the subject property that would provide a preferential pathway for any chemical of concern (COC) to migrate. A review of regulatory records for known releases of contaminants to the underlying soil and/or groundwater was conducted as part of our Phase I Environmental Site Assessment. As noted on the EDR radius report included in Appendix G, no facilities within the ASTM minimum search distances of the subject property have reported a release incident from their underground storage tanks or from their daily operations. For the standard environmental record sources, the approximate minimum search distances applicable to the Tier I screen process is 1/3 mile for hazardous chemicals of concern and 1/10 mile for petroleum hydrocarbon chemicals of concern surrounding the target property. No documentation of a release was found within the prescribed search distances.

The closest facilities to the subject property that operate USTs is The Murphy USA fueling station at Wal-Mart and the Big H Food Store gas station at Johnson Road. Neither facility has reported a documented release incident and both are topographically removed from the subject property. Wal-Mart appears on the regulatory lists for handling or storing hazardous material/petroleum products. However, no documented release of a hazardous material or petroleum product has ever been reported at Wal-Mart.

Wal-Mart operates an automotive service center on the northeast corner of the building. No underground storage tanks are used at the facility and their above ground tanks that store used automotive fluids are kept inside the service area and protected from the elements. The Wal-Mart facility is topographically situated cross-gradient to the subject property. In the event of an undetected release, any contaminants would likely migrate to the south toward Pew Creek.

Our visual inspection of the target property did not identify any underground storage tanks. No operations are conducted on-site that involve the use or generation of hazardous or regulated materials. No evidence was found from our Phase I ESA investigation that any suspect environmental practices were ever conducted on-site that could have contributed to hazardous or regulated materials being improperly disposed of on-site.

A sanitary sewer lines crosses the extreme southwest corner of the subject property and runs parallel to Pew Creek. The sanitary sewer line is located within the 100 year flood plain of Pew Creek. No proposed buildings will be located within a 100 foot buffer of the existing 100 year flood plain.

Based on the findings of our Tier I screening of the target property, SEA concludes that a VEC does not exist or is not likely to exist.

5.4.24 Other Site Reconnaissance Issues

Not Applicable

5.5 Past Site Use

The following sections give a comprehensive account of the historical use of the property. It is our professional opinion that no potential environmental risks or potential environmental concerns have been identified in association with the historical use of the property. No historical recognized environmental conditions in connection with the property were identified as part of the historical review.

5.5.1 Recorded Land Title Records

The subject site has historically been used for rural residential property and was part of a larger area used for pasture or agricultural purposes in the past.

A 1935 plat shows the subject site part of a larger tract of land owned by H.D. Huston. Mr. George Lowry acquired a larger parcel of land that included the subject site in 1938. The property remained in the Lowry family until 1981 when the current owners of record, Mr. and Mrs. Charles Cassady acquired the property. The Cassady's have continuously lived on the property since 1981.

Our review of ownership records revealed no documentation of a recognized environmental condition associated with the subject property.

5.5.2 Environmental Liens

No environmental liens were identified during the chain of title search.

5.5.3 Activity and Use Limitations (a.k.a Engineering and/or Institutional Controls)

No activity or use limitation restrictions due to environmental issues have been placed on the property.

5.5.4 Aerial Photographs and Topographic Maps

Aerial photographs dated 1955, 1960, 1966, 1972, 1978, 1989, 1993, 1999, 2002, and 2005 through 2010 were available for review from various sources (see Section 9.0 for detailed data reference information). In the 1955 aerial photograph, the subject site is mostly pasture with trees present along the streams and creeks. In the 1960 through 1972 aerial photographs, the subject property becomes increasingly covered with trees. The 1978 aerial photograph shows the existing residential structure and the trees have been harvested across the site. The 1989 through current aerial photographs show the subject property much as it appears today. The entrance drive leading from Lawrenceville Highway is visible as well as the residence and shed. Copies of the Historical Aerial Photographs are included in Appendix C.

In addition to the historical aerial photographs, historical USGS topographic maps dated 1895, 1919, 1963, 1963 (PR 1973), 1963 (PR 1982), and 1992 were available for review. The 1895 and 1919 historical topographic maps were at a much larger scale and no discernable feature are noted on the subject property. In the 1963 and 1973 topographic maps, residential structures are noted along Lawrenceville Highway but not on the subject property. The 1982 and 1993 historical topographic maps note the existing residence on the subject property. Nothing of a suspect environmental nature is noted on the historical topographic maps in relation to the subject property. Copies of the Historical Topographic Maps are included in Appendix C.

5.5.5 Sanborn Fire Insurance Maps

No Historical Sanborn fire insurance maps were available for the subject site or surrounding area.

5.5.6 City Directories

Historical City Directories were reviewed at the Atlanta Public Library to search for businesses, etc. at the subject site or surrounding area. The historical city directories were reviewed in approximate 5 year increments from the present back to 1975. The subject address was first noted in the 1995 city directory and Mr. C.G. Cassady was listed as the occupant.

No suspect listings, with regard to potential environmental concern to the subject site were noted in our city directory review. A summary of our city directory review is included in Appendix C.

5.5.7 Previous Environmental Studies

A previous Phase I ESA report was provided for our review. The previous report dated 2003 was authored by United Consulting Group and was conducted on an approximate 25 acre parcel of land that included the subject site. The property that would later be developed as Johnson Crossing Townhomes was part of the 25 acre tract. The previous Phase I ESA report did not identify a recognized environmental condition in relation to the subject property. The report did elude to a potential concern for the portion of the property now occupied by Johnson Crossing Townhomes. The nearby Big H Food Store and gas station was located across Johnson Road from this portion of the property. United Consulting Group concluded that although no documentation of a release was found at the gas station, an undetected release at the gas station could potentially impact the portion of the property adjacent to Johnson Road. A copy of the previous Phase I ESA report is included in Appendix T.

5.5.8 Other

No other sources were researched in relation to the subject property.

5.6 Current Surrounding Land Use

SEA visually inspected the surrounding properties for any environmental impairment and none was found. The surrounding properties consist of residential subdivisions, single family residences and wooded/undeveloped property. The closest commercial business to the subject property is Wal-Mart Supercenter to the west.

5.6.1 North

The subject site is bordered to the north by a single family residential structure and two vacant single family residential lots. The former residential structures associated with the two vacant residential lots were recently removed. Lawrenceville Highway borders the narrow entrance drive associated with the subject property. Beyond Lawrenceville Highway is a rural residential property.

5.6.2 East

The subject site is bordered to the east by Johnson Crossing townhome subdivision. Only a limited number of townhomes have been built in the subdivision. The portion of the subdivision that borders the subject property remains undeveloped.

5.6.3 South

The subject site is bordered to the south by Pew Creek beyond which are single family residents in the Grayland Hills residential subdivision.

5.6.4 West

The subject site is bordered to the west by an undeveloped wooded lot that separates the subject property from the Wal-Mart Supercenter shopping center.

5.7 Past Surrounding Land Use

5.7.1 North

The properties located to the north of the subject site have historically been used for rural residential purposes.

5.7.2 East

The properties to the east have historically been used for rural residential purposes or remained undeveloped and wooded.

5.7.3 South

The properties to the south have historically been used for rural residential purposes. The Grayland Hills subdivision was developed in the late 1980s.

5.7.4 West

The properties to the west have historically been used for rural residential purposes. The Wal-Mart Supercenter was built in the early 2000s.

5.8 Historic Preservation

SEA researched historic preservation information through a review of a National Environmental Policy Act (NEPA) Check report from Environmental Data Resources, Inc. (EDR). Additionally, we visited the Georgia Department of Natural Resources Historic Preservation Division office located at 254 Washington Street in Atlanta, Georgia and reviewed their files for historic facilities in Gwinnett County. The available files included sites on the National Register of Historical Places, the Historic Resources Survey, the Centennial Farms Survey and the State Identified Sites listing. Finally, we visited the Gwinnett County Historical Society in Lawrenceville, Georgia, primarily to research any nearby historical cemeteries.

The NEPA Check report noted no past structures or landmarks of historical significance associated with the subject property or the properties surrounding the subject site.

Based on our file review at the Historic Preservation Division office, no portion of the subject site or any structure on the subject site appears on the National Register of Historic Places. Additionally, no sites appearing on the National Register of Historic Places were found within a one-mile radius of the subject site. The closest facility included on the National Register of Historic Places is the Robert Craig Plantation located just over one mile south of the subject site, on Five Forks Trickum Road. No Centennial Farms were noted within a mile of the subject site. One nearby house was noted in the 1978 Historic Resources Survey file. The house is a single-story wood frame residence on Monfort Road located approximately 1/2 mile west of the subject site (SITE ID # 122).

SEA interviewed Mr. Bill Baughman of the Gwinnett County Historical Society in Lawrenceville, Georgia regarding his knowledge of the site's, and surrounding area's, history. He knew of no past or current structures or landmarks of historical significance associated with the subject property or the properties surrounding the subject site. Mr. Baughman researched the Societies' listings of historical burial sites/cemeteries and found information regarding two nearby historical cemeteries (or reported cemetery sites). The Red Land Baptist Church cemetery was reported to have once been located somewhere on the property currently occupied by the Regal Estates residential subdivision (Regal Drive, north of U.S. Highway 29). This location is over one mile northeast of the subject site. Additionally, Mr. Baughman informed us that the Adair cemetery was reported to have once been located somewhere on the property where the Winn Crossing residential subdivision (just south of U.S. Highway 29 and west of Sugarloaf Parkway) currently exists.

Based on our research, no historic preservation sites will be affected by the proposed development. A copy of the EDR NEPA Check report is included in Appendix Q.

6.0 DATA GAPS

6.1 Identification of Data Gaps

No significant data gaps were encountered during our investigation.

6.2 Sources of Information Consulted to Address Data Gaps

Not Applicable

6.3 Significance of Data Gaps

No significant data gaps were encountered.

7.0 ENVIRONMENTAL CONCERNS

7.1 On-Site

The subject property did not appear on any of the regulatory lists reviewed. No evidence of stained soil, stressed vegetation, underground storage tanks, or the use of hazardous materials was observed on the subject site.

Several extended scope issues as noted in the 2012 DCA Environmental Manual were researched and will require addressing as part of the proposed redevelopment of the subject property.

Wetlands, State Waters and 100 year flood plain designated areas were identified on the subject property. The majority of the jurisdictional waters will not be disturbed as part of the proposed redevelopment of the subject property. However, a small intermittent stream running through the central portion of the subject property will have to be disturbed to accommodate the proposed buildings. Less than 300 feet of the intermittent stream and less than 1/10 acre of wetlands will be affected. A request for a jurisdictional determination has been forwarded to the Piedmont Branch, Savannah District of the Army Corps of Engineers. Once architectural plans have been completed to minimize impacts, a pre-construction notification with necessary mitigation credit calculations will be submitted to the Army Corps of Engineers and a Nationwide Permit #39 will be sought for the proposed impact to jurisdictional waters.

The existing residential structure we have to be removed prior to site redevelopment. A preliminary asbestos inspection of the structure indicates that some asbestos containing building materials are present. Abatement of the asbestos containing materials will be necessary prior to the demolition of the structure. The only painted surfaces associated with the structure were the exterior window frames. All other wood siding, door frames, window seals and baseboard were stained, not painted. Samples of paint from the exterior window frames did not contain lead at levels above the 0.5% by weight threshold.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E-1527-05 of the proposed 10 acre, Heritage at Gwinnett Senior Development Property. With the exception of the extended scope issues mentioned above, this assessment has revealed no recognized environmental conditions in connection with the subject property.

7.2 Off-Site

The surrounding properties have historically been a combination of woods, cultivated property and single family residences. Five facilities appeared on the U. S. Environmental Protection Agency (EPA) or the Georgia Environmental Protection Division (EPD) regulatory lists as being within the prescribed ASTM minimum search distances to the subject site.

Wal-Mart Supercenter #3388, 1400 Lawrenceville Highway, is located approximately 500 feet west of the subject property. SEA field-verified this location during our reconnaissance of the surrounding area. Wal-Mart appears on the EPA RCRA generators list as a small quantity generator of hazardous waste.

Wal-Mart has historically been registered as a small quantity, or a conditionally exempt small quantity, generator. No regulatory violations or spills have been noted at the site. A wooded, undeveloped parcel separates the subject property from the Wal-Mart Supercenter. The Wal-Mart facility is topographically situated cross gradient of the subject property. Any undetected release would migrate toward Pew Creek to the south and not in the direction of the subject property. Due to topographic separation, Wal-Mart Supercenter #3388 is not identified as a recognized environmental condition with respect to the subject property.

Associated with the Wal-Mart is a Murphy USA gas station, 1410 Lawrenceville Highway. The gas station is located approximately 850 feet west of the subject property. SEA field-verified this location during our reconnaissance of the surrounding area. Murphy USA appears on the Georgia EPD list of facilities with underground storage tanks. This facility is topographically separated from the subject property and any undetected release would migrate toward Pew Creek and not in the direction of the subject property. Due to topographic separation, Murphy USA gas station is not identified as a recognized environmental condition with respect to the subject property.

Big H Food Store #101, 1184 Highway 29, is located over 1000 feet east of the subject site. SEA field-verified this location during our reconnaissance of the surrounding area. This facility currently operates five underground storage tanks that were installed in 1987. Big H Food Store also sells propane and was included on the above ground storage tank (AST) listing. No documentation of a spill or release was found pertaining to facility. Big H Food Store is topographically situated cross gradient to the subject site and any undetected release would migrate toward Pew Creek and not in the direction of the subject site. Based on topographic and physiographic separation, past operations at Big H Food Store #101 are not identified as a recognized environmental condition with respect to the subject property.

Ingles Gas Express #102, 1154 Lawrenceville Highway, is located approximately 1500 feet east of the subject site. SEA field-verified this location during our reconnaissance of the surrounding area. This facility appears on the Georgia Environmental Protection Division list of registered underground storage tanks. The facility currently operates two underground storage tanks that were installed in 2002. No documentation of a spill or release incident was found in relation to Ingles Gas Express. Based on topographic and physiographic separation, past operations at Ingles Gas Express #102 are not identified as a recognized environmental condition with respect to the subject property.

Good Cent Cleaners, 65 Lawrenceville-Suwanee Road, is located approximately 1,650 feet southwest of the subject property on the far side of the Wal-Mart Supercenter outparcels. This facility appeared on the active dry cleaners listing. No documentation of a spill or release incident has been reported in relation to the subject property. In the event of an undetected release, any ground water contamination would migrate toward Pew Creek and not in the direction of the subject site. Due to topographic separation, past operations at Good Cent Cleaners are not identified as a recognized environmental condition in relation to the subject property.

No off-site recognized environmental conditions were identified.

8.0 CONCLUSIONS AND RECOMMENDATIONS

8.1 On-Site

The subject property did not appear on any of the regulatory lists reviewed. No evidence of stained soil, stressed vegetation, underground storage tanks, or the use of hazardous materials was observed on the subject site. No evidence of a recognized environmental condition as defined by the ASTM Standard was identified in relation to the subject property.

Two extended scope environmental issues were identified that will require further investigation and/or regulatory permitting. Wetlands, State Waters and 100 year flood plain designated areas were identified on the subject property. Permitting from the Army Corps of Engineers will be necessary to impact a section of an intermittent stream that runs through the central portion of the subject site. All efforts will be made to minimize impacts and the proposed impacts will be addressed under Nationwide Permit #39 and a Pre-Construction Notification (PCN). Mitigation of the proposed impact will be handled through the purchase of mitigation credits from an approved wetlands mitigation bank.

Some asbestos containing building materials were identified inside the existing residential structure. Additional testing will be necessary to identify all asbestos containing materials and the asbestos containing materials will require abatement prior to the demolition of the structure.

8.2 Off-Site

The surrounding properties have historically been used for rural residential purposes and are currently a mixture of single family residences and commercial businesses.

Five facilities within the immediate vicinity appeared on various regulatory lists. These facilities are:

- Wal-Mart Supercenter #3388, 1400 Lawrenceville Highway, RCRA generators list
- Murphy USA, 1410 Lawrenceville Highway, Registered UST list
- Big H Food Store #101, 1184 Highway 29, Registered UST list
- Ingles Gas Express #102, 1154 Lawrenceville Highway, Registered UST list
- Good Cent Cleaners, 65 Lawrenceville-Suwanee Road, Dry Cleaners Listing

No documentation of a spill or release was found pertaining to the facilities mentioned above. Due to topographic and/or physiographic separation, past operations at the above mentioned facilities are not identified as recognized environmental conditions in relation to the subject property.

No additional investigation is recommended in relation to off-site conditions.

9.0 DATA REFERENCES

United States Geological Survey: Atlanta, Georgia Quadrangle, 30 minute topographic map dated 1895.

United States Geological Survey: Camp Gordon, Georgia Quadrangle, 30 minute topographic map dated 1919.

United States Geological Survey: Luxomni, Georgia Quadrangle 7.5 minute topographic maps dated 1963, 1963 (PR 1973), 1963 (PR 1982), and 1992.

United States Geological Survey: National Wetlands Inventory Map, Luxomni, Georgia Quadrangle dated 1991 and via the National Wetlands Mapper available via the Internet.

Federal Emergency Management Agency Flood Rate Insurance Maps for Gwinnett County: Panel # 13135C0087F and 13135C0088F, dated 2006. Also available via the FEMA Map Service Center via the Internet.

United States Department of Agriculture, National Resource Conservation Service *Soil Survey for Gwinnett County, Georgia*.

University of Georgia Science Library Map Collection: Aerial photographs dated 1960, 1966 and 1972.

United States Department of Agriculture, National Resource Conservation Service Gwinnett County Field Office: Aerial photographs dated 1955, 1978 and 1989.

Internet web sites for aerial photographs including Google Earth, USGS Earth Explorer and MSR Maps: Aerial photographs dated 1993, 1999, 2002, 2008, and 2010.

Gwinnett County Water System, 2011 Water Quality Report via the internet.

Gwinnett County Tax Assessors offices: current tax maps.

United States Fish and Wildlife Service and the Georgia National Heritage Inventory Program endangered species documentation via the Internet.

United States Environmental Protection Agency Map of Radon Zones.

Georgia Geologic Survey Bulletin 96 titled *Geology of the Greater Atlanta Region*.

Georgia Geologic Survey Information Circular 63 entitled *Ground Water in the Greater Atlanta Region*.

Georgia Geologic Survey: *Physiographic Map of Georgia*.

United States Geologic Survey and Georgia Geologic Survey: *Digital Environmental Atlas of Georgia*.

Environmental Data Resources, Inc., Milford, Connecticut: "EDR Historical Topographic Map Report – "Heritage at Gwinnett, 1340 Lawrenceville Highway, Lawrenceville, Georgia " dated May 2, 2012.

Environmental Data Resources, Inc., Milford, Connecticut: "EDR Radius Map with GeoCheck[®] – "Heritage at Gwinnett, 1340 Lawrenceville Highway, Lawrenceville, Georgia " dated May 14, 2012.

10.0 VALUATION REDUCTION

10.1 Purchase Price

According to Mr. Tom Gladis with The NuRock Companies, the purchase price is \$750,000.

10.2 Interview of Broker Regarding Market Value

Gwinnett County currently appraises the market value of the residential property at \$285,500.

10.3 Differential between Purchase Price and Market Value

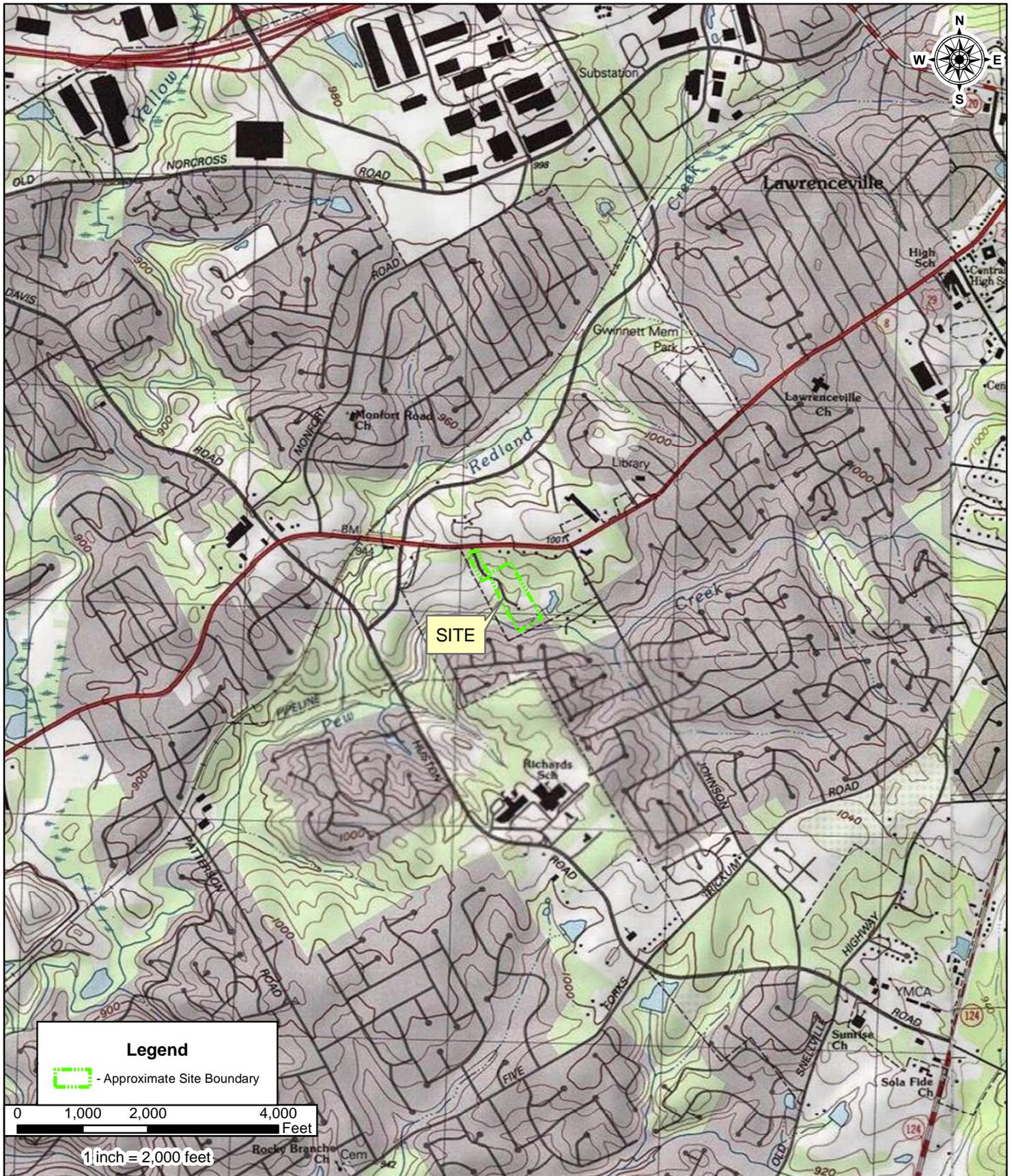
Not Applicable.

10.4 Environmental Reasons For Any Differential

Not Applicable.

APPENDIX A – FIGURES AND MAPS

1. USGS Topographic Map
2. USFWS National Wetlands Inventory Map
3. Soil Survey Map
4. FEMA Map
5. Site Map (existing)
6. Site Map (proposed)
7. Radon Map



SEA

**SAILORS
ENGINEERING
ASSOCIATES, INC.**
ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
(770) 962-5922 FAX 962-7964

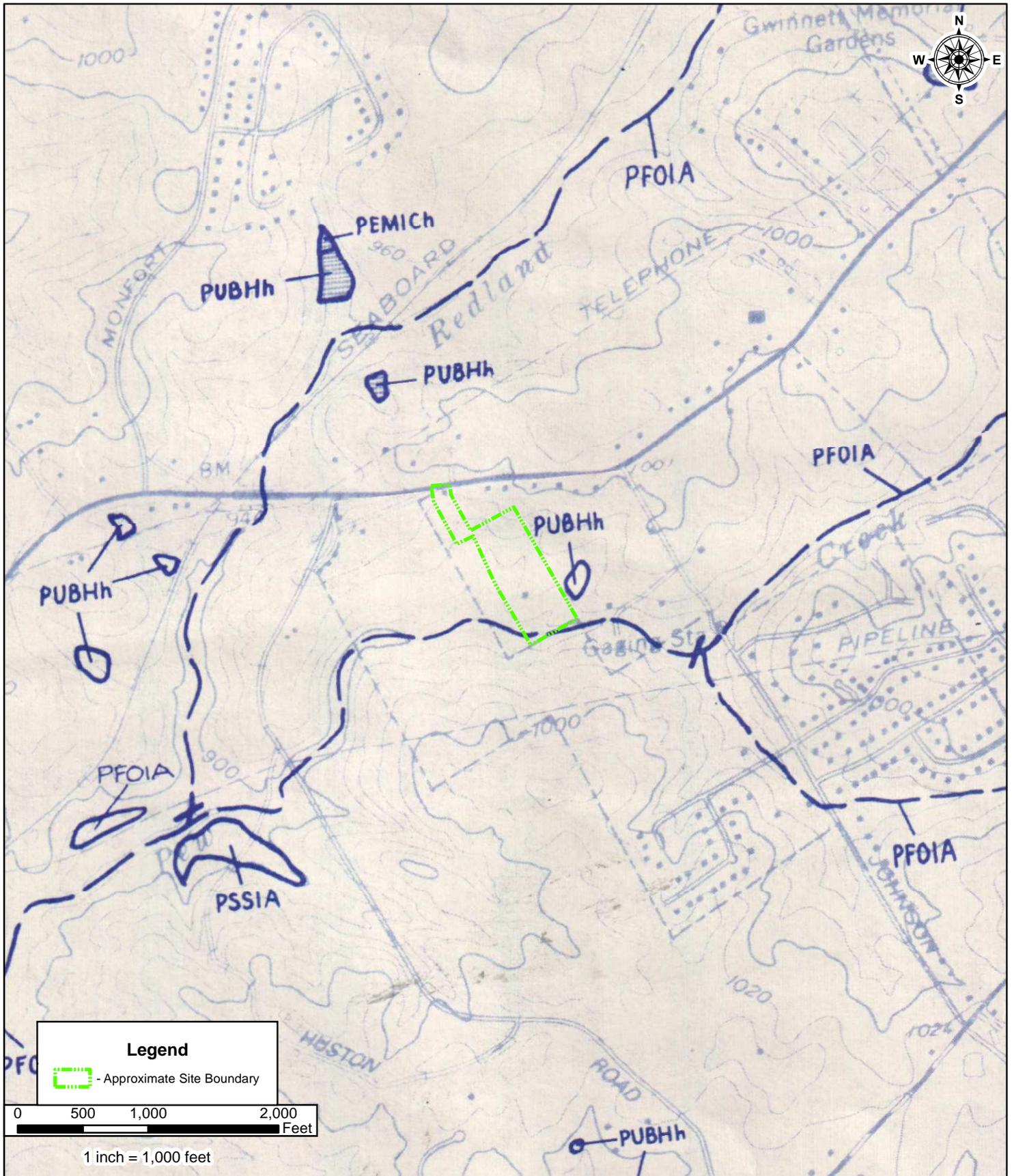
AREA PLAN

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Data Sources: 1990; 1:24,000 Luxonni, Georgia 7.5' wetlands inventory quadrangle courtesy of USDI Fish and Wildlife Department

SEA

ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
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**SAILORS
ENGINEERING
ASSOCIATES, INC.**

NWI MAP

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



U.S. Fish and Wildlife Service

National Wetlands Inventory

Heritage

Apr 30, 2012



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

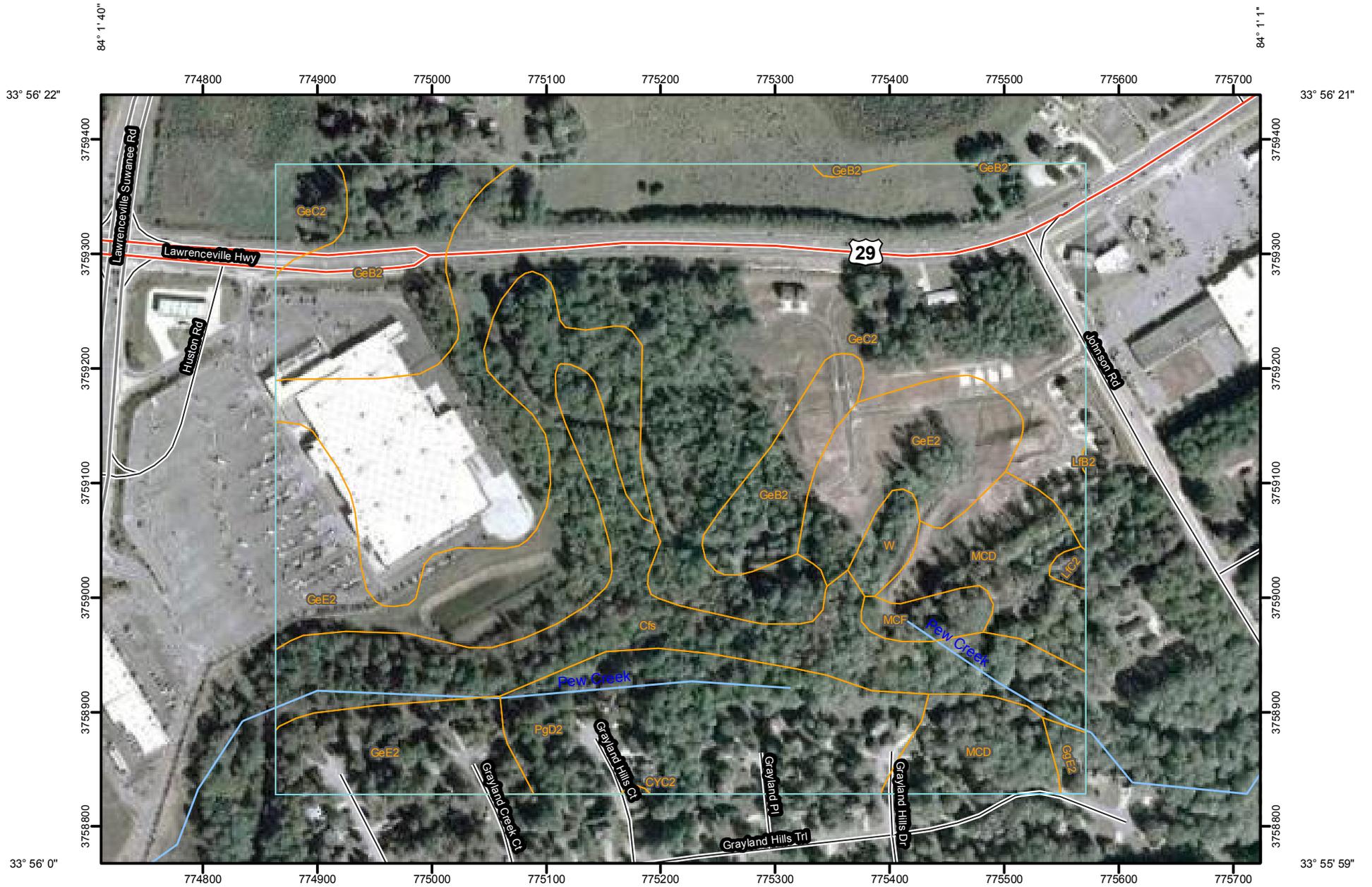
Status

- Digital
- Scan
- Non-Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Soil Map—Gwinnett County, Georgia
(Heritage)



Map Scale: 1:4,800 if printed on A size (8.5" x 11") sheet.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

 Cities

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:4,800 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gwinnett County, Georgia
Survey Area Data: Version 4, Dec 22, 2006

Date(s) aerial images were photographed: 10/10/2007

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Gwinnett County, Georgia (GA135)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cfs	Chewacla soils, frequently flooded	10.7	11.2%
CYC2	Cecil sandy loam, 6 to 10 percent slopes, eroded	0.0	0.0%
GeB2	Gwinnett clay loam, 2 to 6 percent slopes, eroded	9.0	9.4%
GeC2	Gwinnett clay loam, 6 to 10 percent slopes, eroded	38.8	40.4%
GeE2	Gwinnett clay loam, 10 to 25 percent slopes, eroded	19.1	19.9%
GgE2	Gwinnett loam, 10 to 25 percent slopes, eroded	0.4	0.4%
LfB2	Lloyd clay loam, 2 to 6 percent slopes, moderately eroded	0.0	0.0%
LfC2	Lloyd clay loam, 6 to 10 percent slopes, moderately eroded	0.2	0.2%
MCD	Musella cobbly loam, 6 to 15 percent slopes	6.4	6.6%
MCF	Musella cobbly loam, 15 to 45 percent slopes	1.0	1.1%
PgD2	Pacolet sandy clay loam, 10 to 15 percent slopes, eroded	9.4	9.8%
W	Water	0.9	0.9%
Totals for Area of Interest		96.1	100.0%



Legend

- Approximate Site Boundary

FEMA ZONE

- A
- AE
- ANI
- AO
- X
- X500

0 200 400 800 Feet

1 inch = 400 feet

Data Sources: FEMA Data courtesy of Georgia GIS Data Clearinghouse

SEA

**SAILORS
ENGINEERING
ASSOCIATES, INC.**

ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
(770) 962-5922 FAX 962-7964

FIRM MAP

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Lawrenceville Suwanee Rd

Lawrenceville Hwy

Johnson Rd

Grayland Creek Dr

Grayland Creek Ct

Grayland Hills Ct

Grayland Pl

Grayland Hills Trl

Grayland Creek Pl

Grayland Hills Dr

Grayland Ln

Grayland Ct

Legend

 - Approximate Site Boundary



1 inch = 400 feet

Data Sources: 2009 aerial photography courtesy of Gwinnett County GIS Department

SEA

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(770) 962-5922 FAX 962-7964

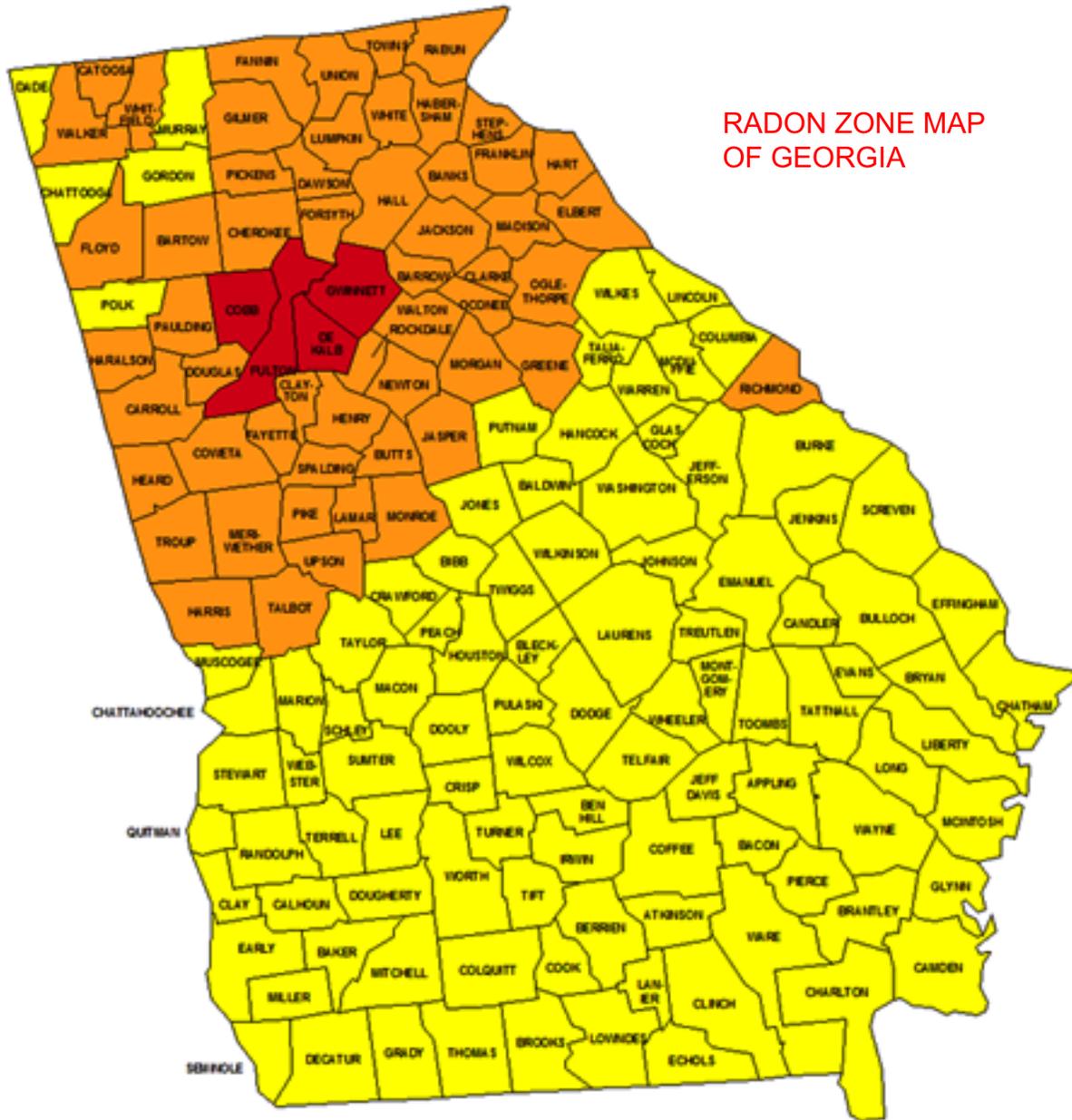
SITE PLAN

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



RADON ZONE MAP
OF GEORGIA

APPENDIX B – PHOTOGRAPHS



A VIEW OF THE RESIDENCE AND YARD



A VIEW OF THE ENTRANCE DRIVE TO THE PROPERTY



AN INTERIOR VIEW OF THE SUBJECT PROPERTY



AN INTERIOR VIEW OF THE SUBJECT PROPERTY



AN INTERIOR VIEW OF THE RESIDENCE



AN INTERIOR VIEW OF THE GARAGE



A VIEW OF THE POLE MOUNTED ELECTRICAL TRANSFORMER



A VIEW OF THE UNUSED WATER WELL

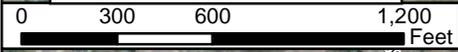
APPENDIX C – HISTORICAL RESEARCH DOCUMENTATION

1. Historical Aerial Maps
2. Fire Insurance Maps
3. Historical Topographical Maps
4. City Directory Summary



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 2002 aerial photography courtesy of USGS Earth Explorer

SEA

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ENGINEERING
ASSOCIATES, INC.**

AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1999 aerial photography courtesy of USGS Earth Explorer

SEA

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AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary

0 300 600 1,200
Feet

1 inch = 600 feet

Data Sources: 1993 aerial photography courtesy of *USGS Earth Explorer*

SEA

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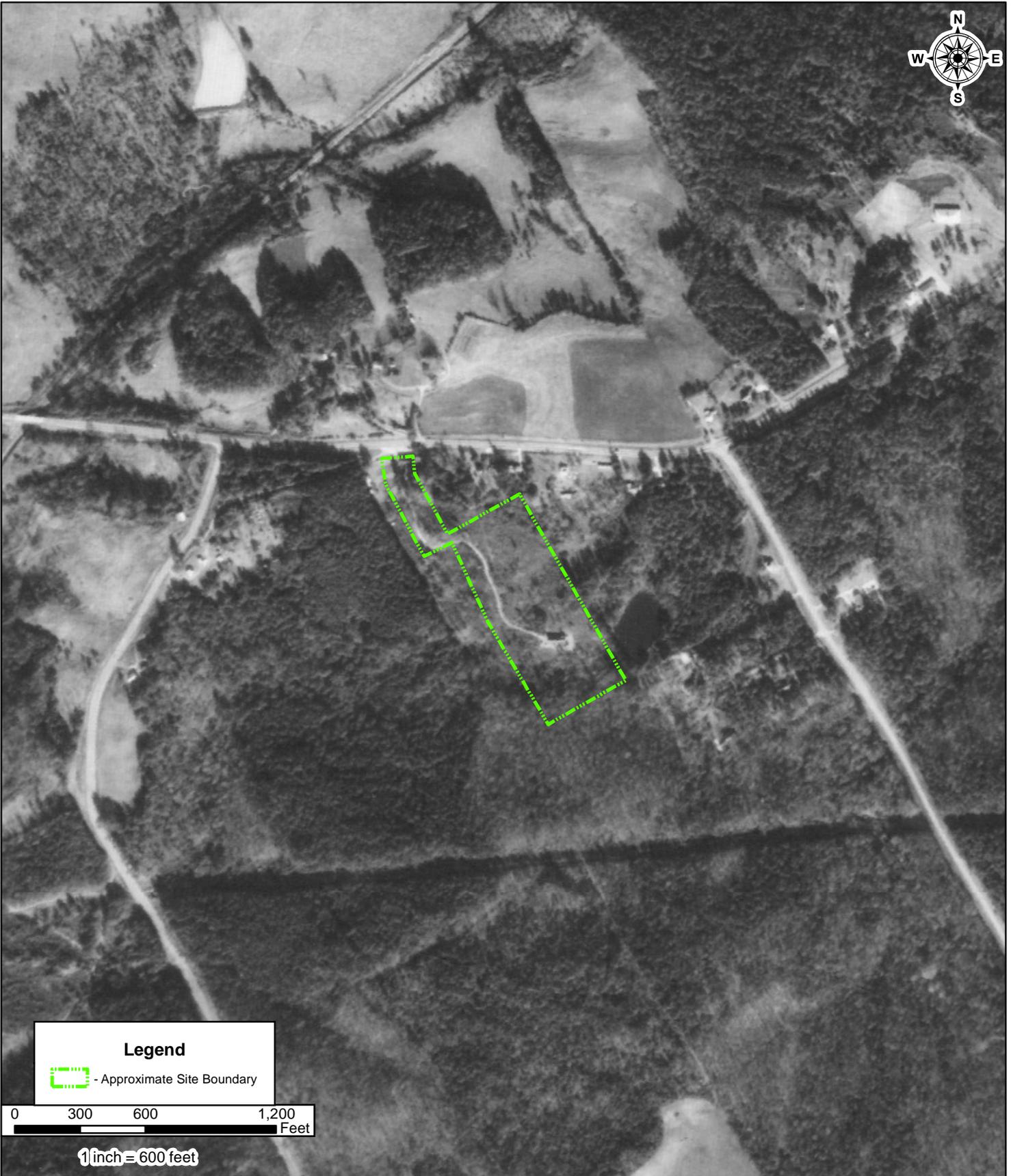
AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary

0 300 600 1,200
Feet

1 inch = 600 feet

Data Sources: 1978 aerial photography courtesy of NRCS

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AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

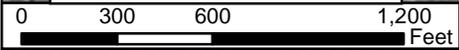
Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1972 aerial photography courtesy of GALILEO, Digital Library of Georgia

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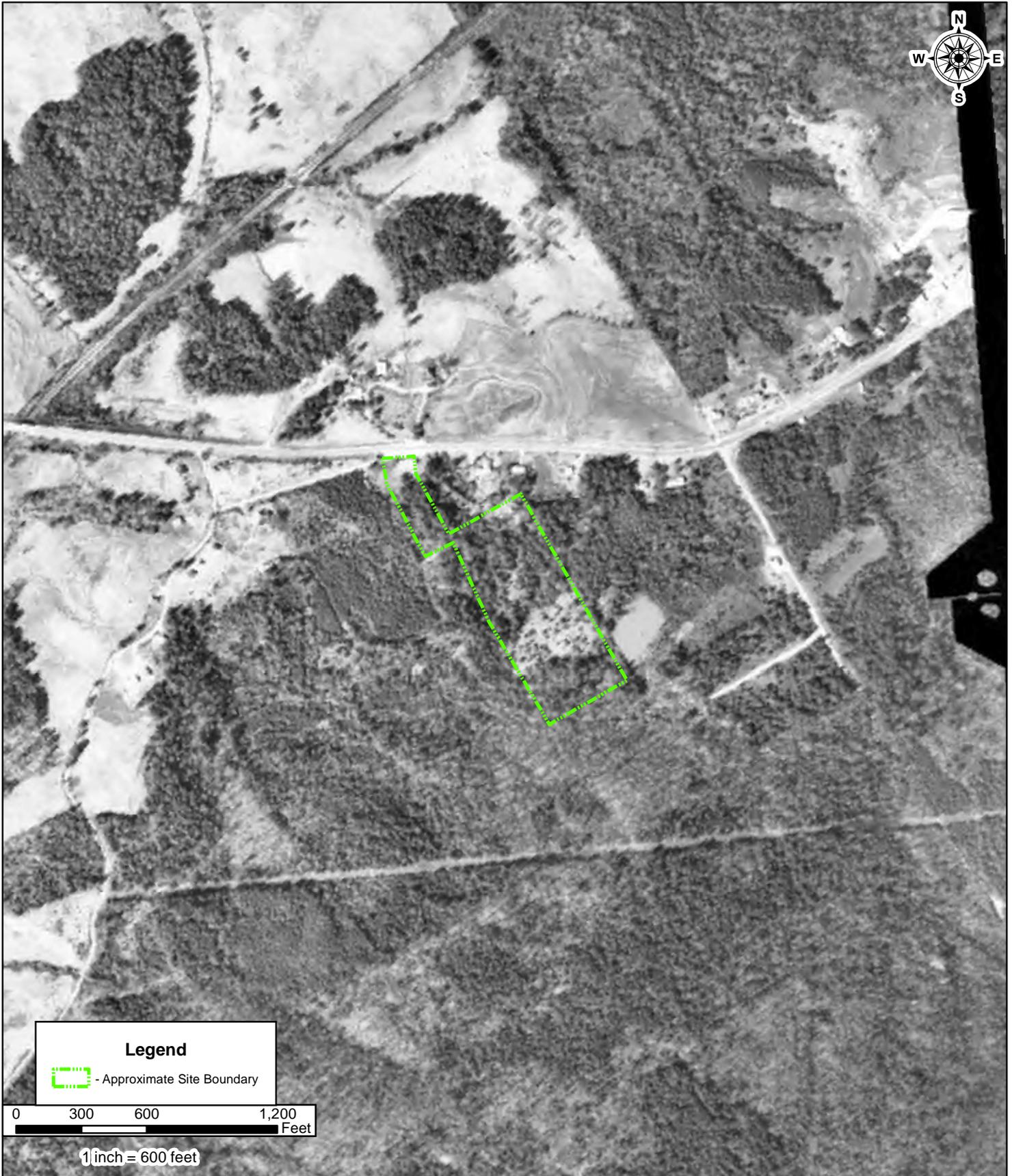
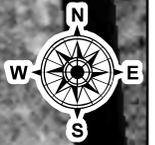
AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary

0 300 600 1,200
Feet

1 inch = 600 feet

Data Sources: 1966 aerial photography courtesy of GALILEO, Digital Library of Georgia

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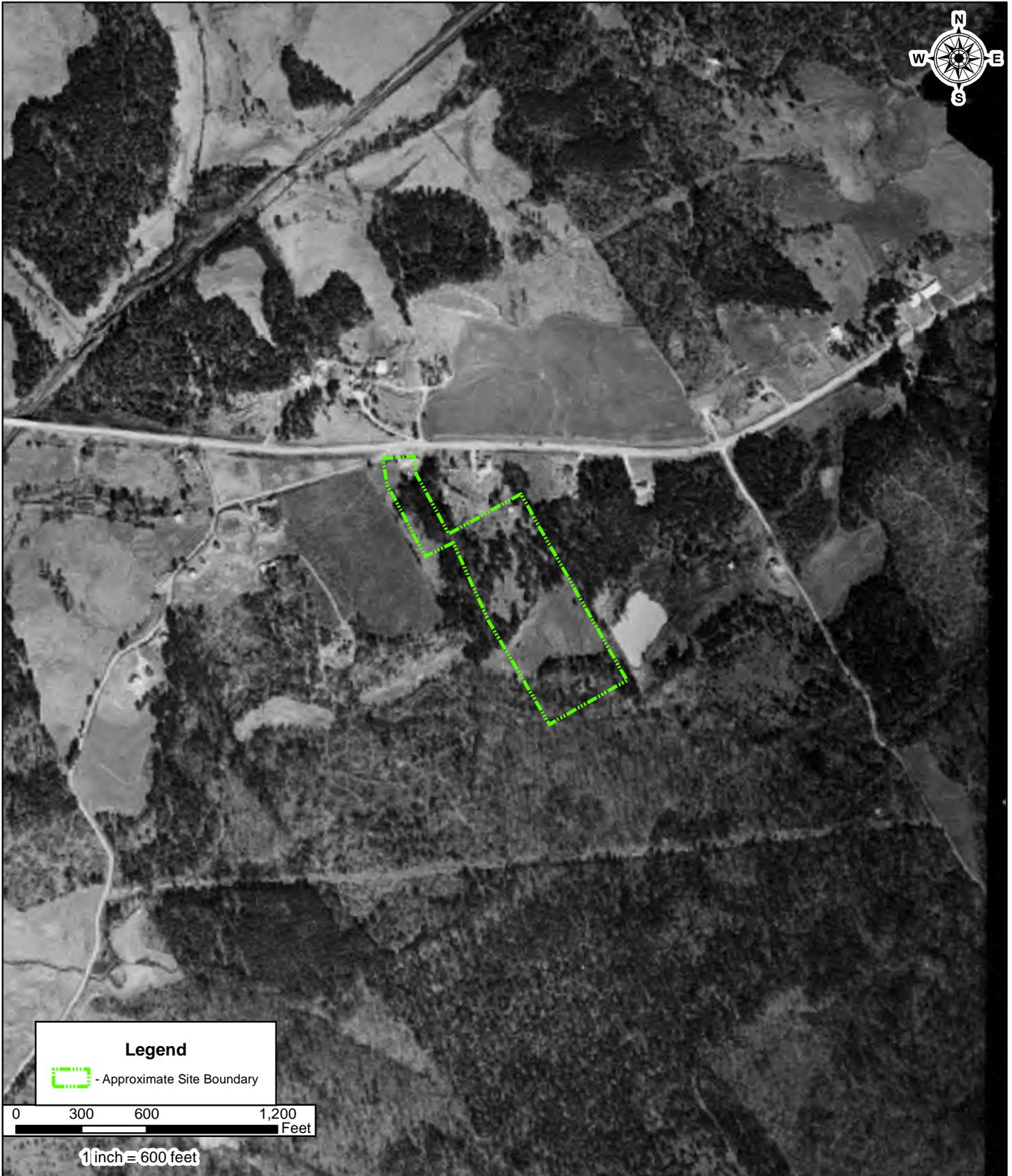
AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

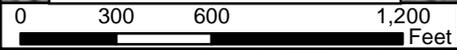
Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1960 aerial photography courtesy of GALILEO, Digital Library of Georgia

SEA

ENVIRONMENTAL/GEOTECHNICAL

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**SAILORS
ENGINEERING
ASSOCIATES, INC.**

AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

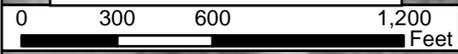
Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1955 aerial photography courtesy of NRCS

SEA

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ENGINEERING
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ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
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(770) 962-5922 FAX 962-7964

**AERIAL
PHOTOGRAPHY**

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Heritage At Gwinnett

1340 Lawrenceville Highway
Lawrenceville, GA 30046

Inquiry Number: 3314908.3
May 02, 2012

Certified Sanborn® Map Report

Certified Sanborn® Map Report

5/02/12

Site Name:

Heritage At Gwinnett
1340 Lawrenceville Highway
Lawrenceville, GA 30046

Client Name:

Sailors Eng Assoc Inc.
1675 Spectrum Drive
Lawrenceville, GA 30043



EDR Inquiry # 3314908.3

Contact: Robert Berry

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Sailors Eng 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 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: Heritage At Gwinnett
Address: 1340 Lawrenceville Highway
City, State, Zip: Lawrenceville, GA 30046
Cross Street:
P.O. # NA
Project: NA
Certification # 171F-4BDE-BC49



Sanborn® Library search results
Certification # 171F-4BDE-BC49

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.

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

The Sanborn Library LLC Since 1866™

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Heritage At Gwinnett

1340 Lawrenceville Highway
Lawrenceville, GA 30046

Inquiry Number: 3314908.4
May 02, 2012

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

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Historical Topographic Map



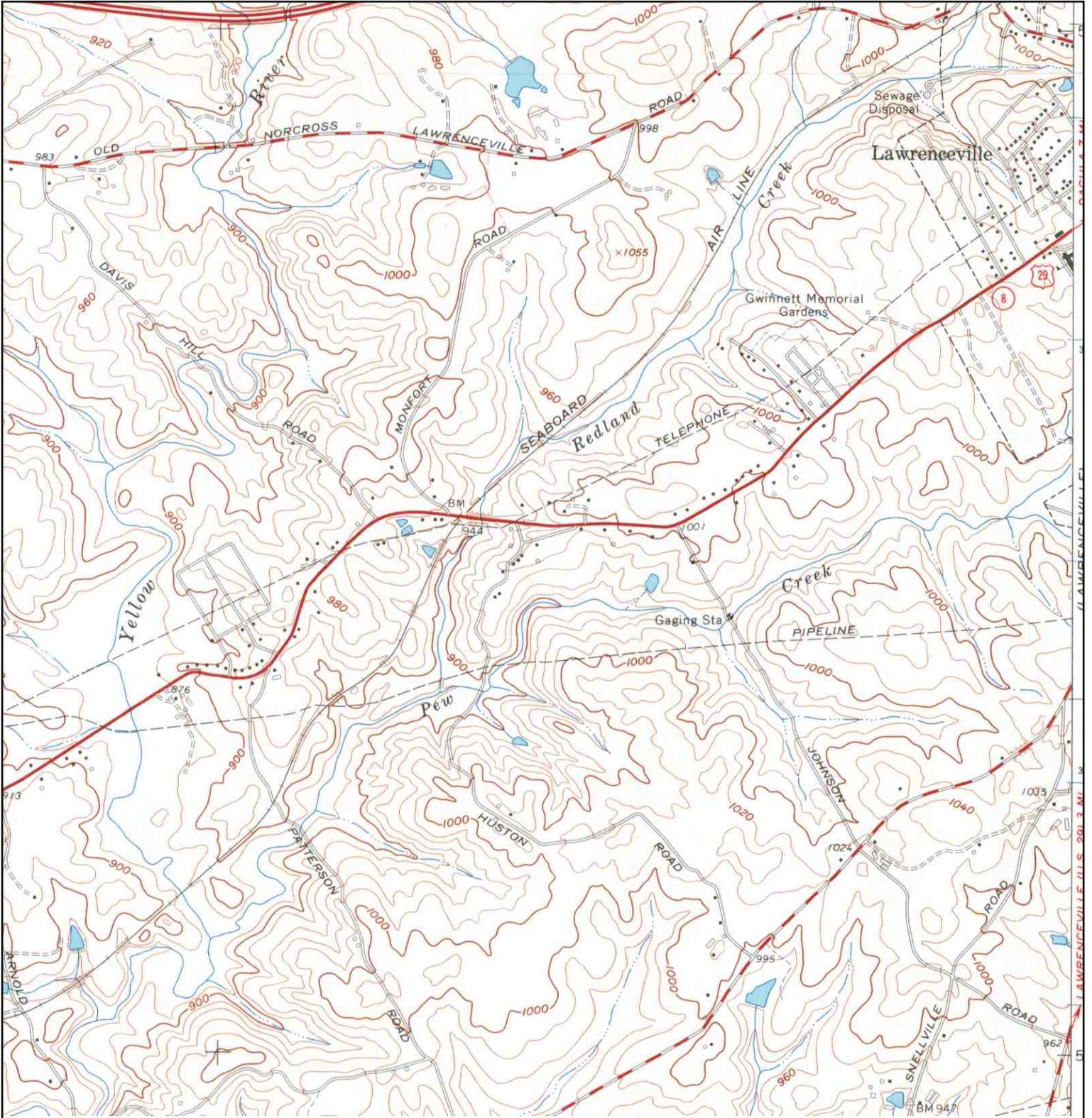
 <p>N</p>	TARGET QUAD	SITE NAME: Heritage At Gwinnett	CLIENT: Sailors Eng Assoc Inc.
	NAME: ATLANTA	ADDRESS: 1340 Lawrenceville Highway	CONTACT: Robert Berry
	MAP YEAR: 1895	Lawrenceville, GA 30046	INQUIRY#: 3314908.4
	SERIES: 30	LAT/LONG: 33.9366 / -84.0224	RESEARCH DATE: 05/02/2012
	SCALE: 1:125000		

Historical Topographic Map



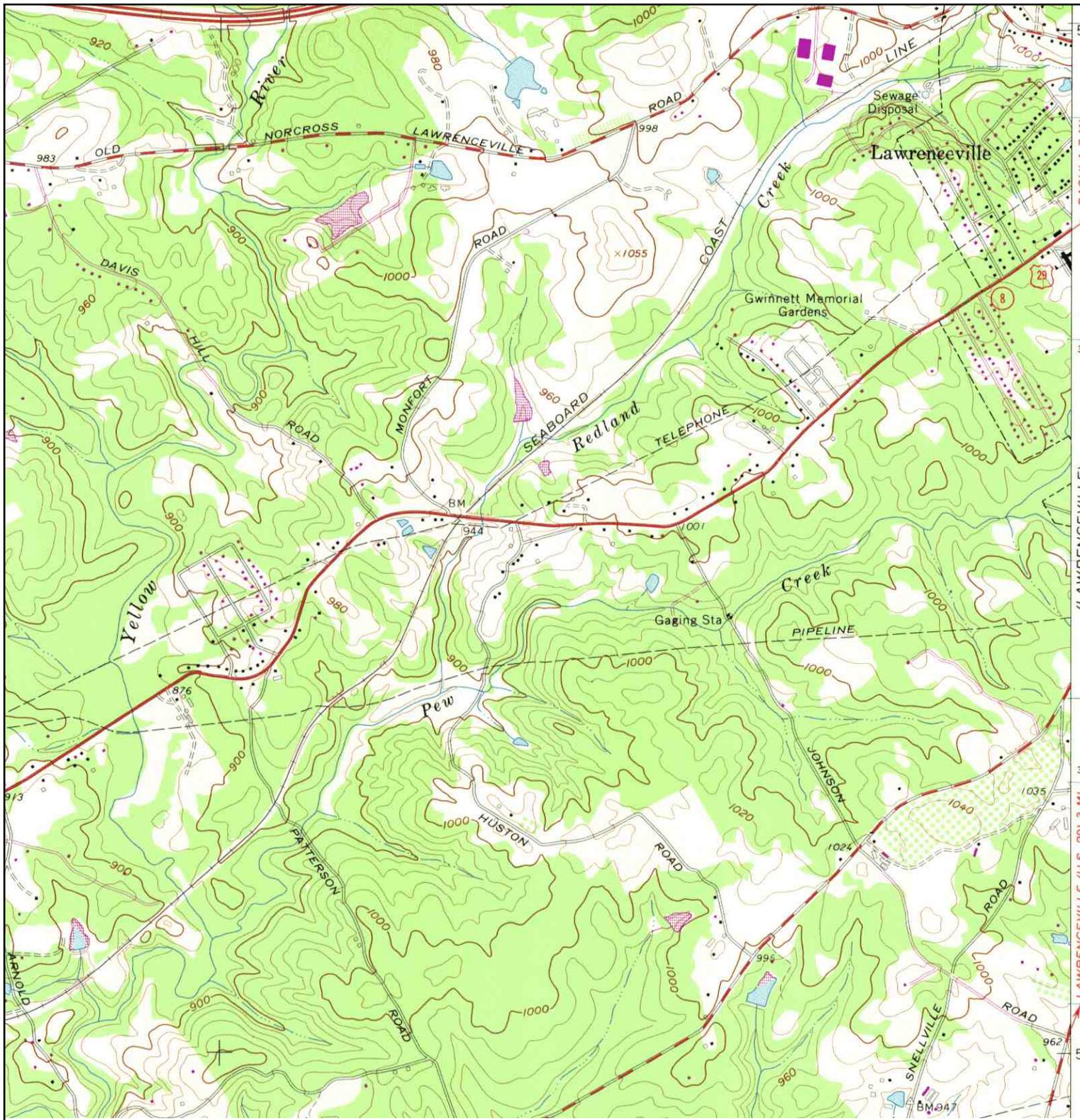
<p>N</p> 	TARGET QUAD	SITE NAME: Heritage At Gwinnett	CLIENT: Sailors Eng Assoc Inc.	
	NAME: CAMP GORDON	ADDRESS: 1340 Lawrenceville Highway	CONTACT: Robert Berry	
	MAP YEAR: 1919	LAT/LONG: 33.9366 / -84.0224	INQUIRY#: 3314908.4	RESEARCH DATE: 05/02/2012
	SERIES: 30			
	SCALE: 1:125000			

Historical Topographic Map



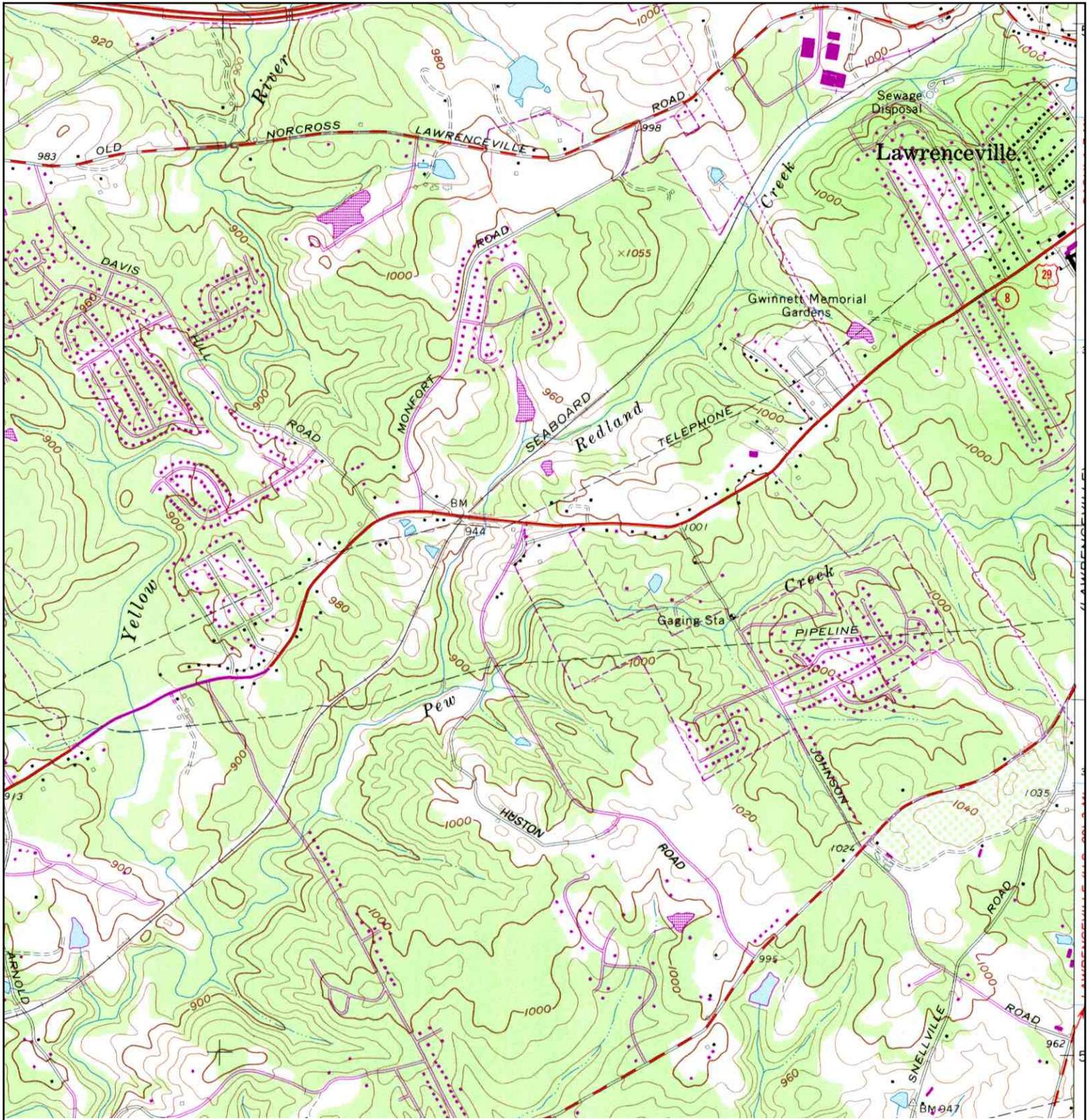
<p>N ↑</p>	<p>TARGET QUAD NAME: LUXOMNI MAP YEAR: 1963</p>	<p>SITE NAME: Heritage At Gwinnett ADDRESS: 1340 Lawrenceville Highway Lawrenceville, GA 30046 LAT/LONG: 33.9366 / -84.0224</p>	<p>CLIENT: Sailors Eng Assoc Inc. CONTACT: Robert Berry INQUIRY#: 3314908.4 RESEARCH DATE: 05/02/2012</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

Historical Topographic Map



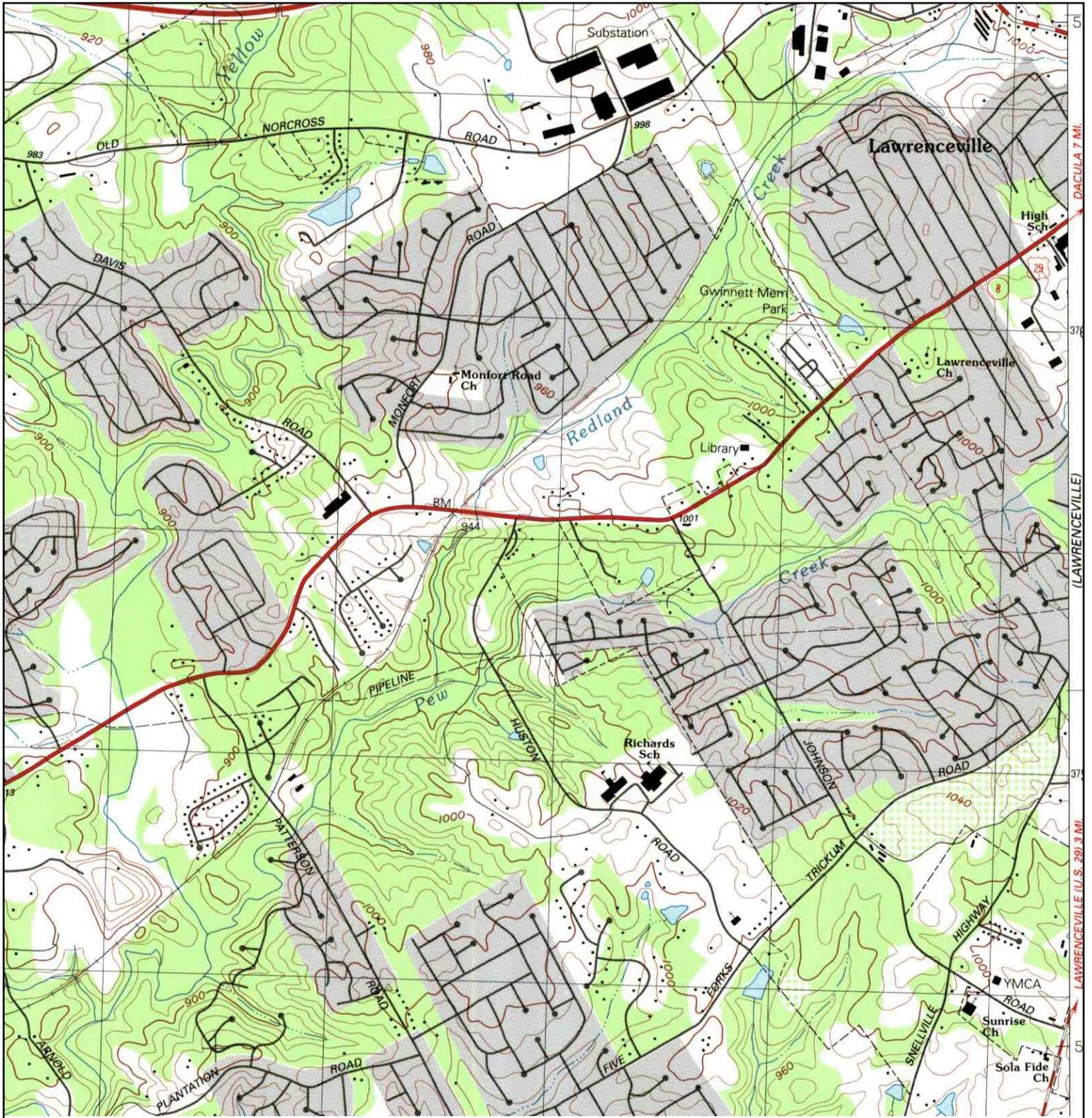
<p>N ↑</p>	TARGET QUAD	SITE NAME: Heritage At Gwinnett	CLIENT: Sailors Eng Assoc Inc.
	NAME: LUXOMNI	ADDRESS: 1340 Lawrenceville Highway	CONTACT: Robert Berry
	MAP YEAR: 1973	Lawrenceville, GA 30046	INQUIRY#: 3314908.4
	PHOTOREVISED FROM : 1963	LAT/LONG: 33.9366 / -84.0224	RESEARCH DATE: 05/02/2012
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



N 	TARGET QUAD	SITE NAME: Heritage At Gwinnett	CLIENT: Sailors Eng Assoc Inc.
	NAME: LUXOMNI	ADDRESS: 1340 Lawrenceville Highway	CONTACT: Robert Berry
	MAP YEAR: 1982	Lawrenceville, GA 30046	INQUIRY#: 3314908.4
	PHOTOREVISED FROM : 1963	LAT/LONG: 33.9366 / -84.0224	RESEARCH DATE: 05/02/2012
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: LUXOMNI MAP YEAR: 1992</p>	<p>SITE NAME: Heritage At Gwinnett ADDRESS: 1340 Lawrenceville Highway Lawrenceville, GA 30046 LAT/LONG: 33.9366 / -84.0224</p>	<p>CLIENT: Sailors Eng Assoc Inc. CONTACT: Robert Berry INQUIRY#: 3314908.4 RESEARCH DATE: 05/02/2012</p>
	<p>SERIES: 7.5 SCALE: 1:24000</p>		

**City Directory Summary
Proposed Heritage Senior Living Center
1340 Lawrenceville Highway
Lawrenceville, Georgia**

Address	Directory Listing
1975 – Publisher: Haines and Company, Inc.	
1232 U.S. Highway 29	Colvin L. Huston
1256 U.S. Highway 29	Arnie Ray Hall
1274 U.S. Highway 29	J&W Mobile Home Repair
1304 U.S. Highway 29	George R. Lowry
1330 U.S. Highway 29	Lad & Lassie Day Care
1385 U.S. Highway 29	John H. Brown
1980 – Publisher: Haines and Company, Inc.	
1232 U.S. Highway 29	Colvin L. Huston
1256 U.S. Highway 29	Danny K. Reese
1262 U.S. Highway 29	Malcolm Boyce
1274 U.S. Highway 29	Craig Wright
1275 U.S. Highway 29	Curtis McMillan
1304 U.S. Highway 29	George R. Lowry
1330 U.S. Highway 29	Papoose Parlor 3
1385 U.S. Highway 29	Vacant
1985 – Publisher: Haines and Company, Inc.	
1232 U.S. Highway 29	Colvin L. Huston
1256 U.S. Highway 29	G.L. Melton
1262 U.S. Highway 29	Malcolm Boyce
1274 U.S. Highway 29	Wilbur Wright
1275 U.S. Highway 29	S.N. Rollins
1304 U.S. Highway 29	George R. Lowry
1310 U.S. Highway 29	Bruce W. Acree
1314 U.S. Highway 29	Vacant
1330 U.S. Highway 29	Alphabet Soup, Inc.
1385 U.S. Highway 29	Vacant
1990 – Publisher: Haines and Company, Inc.	
1232 U.S. Highway 29	Colvin L. Huston
1262 U.S. Highway 29	Malcolm Boyce
1274 U.S. Highway 29	Wilbur Wright
1275 U.S. Highway 29	Joe Baggett Jr.
1304 U.S. Highway 29	George R. Lowry
1310 U.S. Highway 29	Chris Knilans

1995– Publisher: Haines and Company, Inc.

1232 U.S. Highway 29	Colvin L. Huston
1262 U.S. Highway 29	H.C. Boyce
1274 U.S. Highway 29	Wilber W. Wright
1275 U.S. Highway 29	Joe Baggett Jr.
1277 U.S. Highway 29	Joe Baggett Sr.
1304 U.S. Highway 29	George R. Lowry
1310 U.S. Highway 29	Vacant
1340 U.S. Highway 29	C.G. Cassady

2000– Publisher: Haines and Company, Inc.

1232 U.S. Highway 29	Colvin L. Huston
1275 U.S. Highway 29	Joe Baggett Jr.
1277 U.S. Highway 29	Joe Baggett Sr.
1304 U.S. Highway 29	George R. Lowry
1340 U.S. Highway 29	C.G. Cassady

2003– Publisher: Haines and Company, Inc.

1232 U.S. Highway 29	Colvin L. Huston
1274 U.S. Highway 29	Gary Wright
1275 U.S. Highway 29	Joe Baggett Jr.
1277 U.S. Highway 29	Joe Baggett Sr.
1304 U.S. Highway 29	George R. Lowry
1314 U.S. Highway 29	Durand L. Sugnet
1340 U.S. Highway 29	C.G. Cassady
1350 U.S. Highway 29	Vacant

2007 – Publisher: Haines and Company, Inc.

1232 U.S. Highway 29	Colvin L. Huston
1274 U.S. Highway 29	Gary Wright
1275 U.S. Highway 29	Joe Baggett Jr.
1277 U.S. Highway 29	Joe Baggett Sr.
1304 U.S. Highway 29	George R. Lowry
1314 U.S. Highway 29	Vacant
1340 U.S. Highway 29	C.G. Cassady
1400 U.S. Highway 29	WalMart
1410 U.S. Highway 29	Murphy USA Gas

2010-11 – Publisher: Haines and Company, Inc.

1232 U.S. Highway 29	Colvin L. Huston
1274 U.S. Highway 29	Gary Wright
1275 U.S. Highway 29	Joe Baggett Jr.
1277 U.S. Highway 29	Joe Baggett Sr.
1304 U.S. Highway 29	George R. Lowry
1314 U.S. Highway 29	Vacant
1340 U.S. Highway 29	C.G. Cassady
1400 U.S. Highway 29	WalMart
1410 U.S. Highway 29	Murphy USA Gas

**APPENDIX D – DOCUMENTATION FROM TITLE COMPANY/TITLE
PROFESSIONAL**

1. Recorded land title records
2. Records of environmental liens and activity and use limitations
3. Legal description
4. Chain of Title Summary

WARRANTY DEED

STATE OF GEORGIA COUNTY OF GWINNETT

THIS INSTRUMENT Made the 31st day of March
one thousand nine hundred Eighty-One, between
CHARLES G. CASSADY

of the County of GWINNETT
first part hereinafter called Grantor, and

CHARLES G. CASSADY AND MYRA R. ELLIOTT, as Joint Tenants
with the right of Survivorship
as party or parties of the second part, hereinafter called Grantee (the words "Grantor" and
"Grantee" to include their respective heirs, successors and assigns where the context requires or
permits).

FILED IN OFFICE
CLERK SUPERIOR COURT
GWINNETT
MAR 31 11 05
1981

WITNESSETH that: Grantor, for and in consideration of the sum of -----
LOVE AND AFFECTION----- (\$0.00)----- DOLLARS
in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby
acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents
does grant, bargain, sell, alien, convey and confirm unto the said Grantees, as joint tenants,
for and during their joint lives, and upon the death of either of them,
then to the survivor of them, in fee simple, together with every contingent
remainder and right of reversion, and to the heirs and assigns of said
survivor, the following described property:

All that tract or parcel of land lying and being in Land Lots 82 and
83 of the 5th District of Gwinnett County, Georgia, being shown as 1.07
acres and 5.13 acres according to a survey for James F. & Claudia A.
Lowry made by S. R. Fields, Registered Land Surveyor, dated September 8,
1975, revised January 22, 1977, and being more particularly described as
follows:

To arrive at the true point of beginning, begin at an iron pin on the
southerly side of Hwy. 29 (100-R/W) 23.7 feet easterly from the inter-
section of the right of way of Hwy. 29 with the center line of Huston
Road; running thence easterly along the southerly side of Hwy. 29, 40.3
feet to an iron pin; running thence South 12 degrees 30 minutes East
133.8 feet to an iron pin; running thence South 30 degrees 00 minutes
East 326.0 feet to an iron pin; running thence North 60 degrees 00 minutes
East 140.0 feet to an iron pin; running thence South 27 degrees 22 minutes
East 599.6 feet to an iron pin at the true point of beginning; from
said true point of beginning, run North 50 degrees 44 minutes East
368.0 feet to an iron pin; running thence South 31 degrees 10 minutes
East 547.3 feet to an iron pin; running thence South 59 degrees 44
minutes West 407.0 feet to an iron pin; running thence North 31 degrees
10 minutes West 547.3 feet to an iron pin; running thence North 59 degrees
44 minutes East 40 feet to the orin pin at the true point of beginning;
also included herein is a 40-foot drive described as follows: BEGINNING
at an iron pin on the southerly side of Hwy. 29 (100'R/W) 23.7 feet
easterly from the intersection of the right of way of Hwy. 29 with the
center line of Huston Road; running thence easterly along the southerly side
of Why. 29, 40.3 feet to an iron pin; running thence South 12 degrees 30
minutes East 133.8 feet to an iron pin; running thence South 30 degrees
00 minutes East 326.0 feet to an iron pin; running thence North 60 degrees
00 minutes East 140.00 feet to an iron pin; running thence South 27
degrees 22 minutes East 599.6 feet to an iron pin; running thence South
59 degrees 44 minutes West 40 feet to an iron pin; running thence North
27 degrees 22 minutes West 559.8 feet to an iron pin; running thence
South 60 degrees 00 minutes West 140.0 feet to an iron pin; running thence
North 30 degrees 00 minutes West 372.1 feet to an iron pin; running thence
North 12 degrees 30 minutes West 144.5 feet to an iron pin on the southerly
side of Hwy. 29 and the point of beginning.

This deed is subject to a deed to secure debt in favor of Decatur Federal
Savings and Loan Association dated August 22, 1979, recorded in Deed
Book 1781, Page 24, Gwinnett County Records.

TO HAVE AND TO HOLD, the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining, to the only proper use, benefit and behoof of the said parties of the second part, as joint tenants, for and during their joint lives, and upon the death of either of them, then to the survivor of them in fee simple, together with every contingent remainder and right of reversion, and to the heirs and assigns of said survivor.

~~TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining, to the only proper use, benefit and behoof of the said Grantee forever in FEE SIMPLE.~~

AND THE SAID Grantor will warrant and forever defend the right and title to the above described property unto the said Grantee against the claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has signed and sealed this deed, the day and year above written.

Signed, sealed and delivered in presence of:

Linda D. Baker
Special Witness
William H. Tanner
Notary Public
Gwinnett County, Georgia

Charles G. Cassady (Seal)
Charles G. Cassady (Seal)
(Seal)

WARRANTY DEED	FROM	TO
	GEORGIA, _____ County.	
	Clerk's Office, Superior Court	
	Filed for Record _____ day	
	of _____ 19 _____	
	at _____ M., and Recorded in Deed	
	Book _____ Folio _____	
	_____ 19 _____	
	Clerk.	
WEBB, FOWLER & TANNER ATTORNEYS AT LAW 234 LUCKIE STREET LAWRENCEVILLE, GEORGIA 30248		

REVIEW OF COURT OF

WARRANTY DEED



Lawyers Title Insurance Corporation

ATLANTA BRANCH OFFICE

GEORGIA STATE OFFICE
TITLE BUILDING
ATLANTA, GEORGIA 30335

BU 2447 PAGE 242

WARRANTY DEED

STATE OF GEORGIA COUNTY OF GWINNETT

THIS INDENTURE, Made the 15th day of September, in the year one thousand nine hundred EIGHTY TWO, between MRS. GEORGE R. LOWRY

of the County of GWINNETT, and State of Georgia, as party or parties of the first part, hereinafter called Grantor, and CHARLES G. CASSADY AND MYRA R. ELLIOTT AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP

as party or parties of the second part, hereinafter called Grantee (the words "Grantor" and "Grantee" to include their respective heirs, successors and assigns where the context requires or permits).

WITNESSETH that: Grantor, for and in consideration of the sum of TEN DOLLARS AND OTHER VALUABLE CONSIDERATION (10.00) DOLLARS in hand paid at and before the sealing and delivery of these presents, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, conveyed and confirmed, and by these presents does grant, bargain, sell, alien, convey and confirm unto the said Grantee, all that tract or parcel of land lying and being in the 5th Land District, Land Lots 82 and 83, Gwinnett County, Georgia, and being more particularly described as follows:

BEGINNING at a point at the intersection of the southerly right of way of Georgia Highway #8 (also known as U.S. Highway #29), and the center line of the Old Huston Road and thence proceeding easterly along the southerly right of way of Georgia Highway #8, a distance of 65.08 feet to a point; thence proceeding South 7 degrees 32' 58" East, a distance of 134.25 feet to a point; thence proceeding South 27 degrees 23' 35" East, a distance of 326.24' to a point; thence proceeding North 62 degrees 30' 48" East, a distance of 140.00 feet to the true point of beginning; thence proceeding North 59 degrees 35' 24", a distance of 331.62 feet to a point; thence proceeding South 30 degrees 51' 38" East, a distance of 434.64 feet to a point; thence proceeding South 59 degrees 44' West, a distance of 369 feet, to a point; thence proceeding North 26 degrees 15' 50" West, a distance of 434.64 feet to the true point of beginning, said tract containing 3.46 acres more or less.

GWINNETT CO., GEORGIA
REAL ESTATE TRANSFER TAX

\$ 14.00

Date 9-20-82

[Signature]
Clerk of Superior Court

FILED IN OFFICE
CLERK SUPERIOR COURT
GWINNETT COUNTY GA
SEP 20 12 09 PM '82
REC'D
PAGE 1
DATE 9-20-82
O. MILLER, CLERK

TO HAVE AND TO HOLD the said tract or parcel of land, with all and singular the rights, members and appurtenances thereof, to the same being, belonging, or in anywise appertaining, to the only proper use, benefit and behoof of the said Grantee forever in FEE SIMPLE.

AND THE SAID Grantor will warrant and forever defend the right and title to the above described property unto the said Grantee against the claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has signed and sealed this deed, the day and year above written.

Signed, sealed and delivered in presence of:

[Signature]
[Signature]

[Signature] (Seal)
MRS. GEORGE R. LOWRY (Seal)
(Seal)

**Chain of Title Summary
Proposed Heritage Senior Living Facility
1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia
Tax Parcel Nos. 5-083-009 & 5-082-016**

Date	Book/Page	Instrument Type	Grantor	Grantee
12/17/1992	8246 / 23	WD	Charles G. Cassady.	Charles G. Cassady and Myra Elliott Cassady
9/15/1982	2447 / 242	WD	Mrs. George R. Lowry	Charles G. Cassady and Myra R. Elliott
5/31/1981	2147 / 155	WD	Charles G. Cassady	Charles G. Cassady and Myra R. Elloit.
2/28/1981	2147 / 157	WD	James F. Lowry and Claudia A. Lowry.	Charles G. Cassady
6/7/1938	64 / 320	WD	Sam Craig Jr.	George R. Lowry

APPENDIX E –NON SCOPE TESTING

1. Lead based paint
2. Lead in soil
3. Lead in Water
4. Asbestos
5. Radon
6. Vapor Encroachment Screening



May 15, 2012

Robert Berry
Sailors Engineering Associates
1675 Spectrum Drive
Lawrenceville GA 30043

TEL: (770) 962-5922
FAX: (770) 962-7964

RE: HSL

Dear Robert Berry:

Order No: 1205842

Analytical Environmental Services, Inc. received 2 samples on 5/10/2012 12:10:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES' certifications are as follows:

- NELAC/Florida Certification number E87582 for analysis of Environmental Water, soil/hazardous waste, and Drinking Water Microbiology, effective 07/01/11-06/30/12.
- AIHA Certification ID #100671 for Industrial Hygiene samples (Organics, Inorganics), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) effective until 09/01/13.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sharissa Hall
Project Manager

Client: Sailors Engineering Associates

Project: HSL

Lab ID: 1205842

Case Narrative

Lead in Paint Analysis by Method N7082:

For all samples submitted with less than 0.100g of material for analysis, values are reported with elevated reporting limits.

Lab Order: 1205842	TOTAL LEAD IN PAINT (N7082) PAINT
Client: Sailors Engineering Associates	
Project: HSL	
Matrix: Paint	
Date Received: 5/10/2012 12:10:00 PM	

Laboratory ID	Client Sample ID	Result	Units	Reporting Limit	DF	Qual	Date Collected	Date Analyzed	Analyst
1205842-001A	001 WINDOW ONE	BRL	wt%	0.00994	1		05/10/2012	05/14/2012	MW
1205842-002A	002 WINDOW TWO	0.0304	wt%	0.0117	1		05/10/2012	05/14/2012	MW

Qualifiers: BRL - Not Detected at the Reporting Limit

DF - Dilution Factor

B - Analyte detected in the associated Method Blank

Results are blank corrected where applicable

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client Sailors Eng

Work Order Number 1205842

Checklist completed by [Signature] 5/10/12
Signature Date

Carrier name: FedEx UPS Courier Client US Mail Other

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Container/Temp Blank temperature in compliance? ^{Must be} (4°C±2)* Yes No

Cooler #1 Ambient Cooler #2 _____ Cooler #3 _____ Cooler #4 Cooler #5 _____ Cooler #6 _____

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Was TAT marked on the COC? Yes No

Proceed with Standard TAT as per project history? Yes No Not Applicable

Water - VOA vials have zero headspace? No VOA vials submitted Yes No

Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Sample Condition: Good Other(Explain) _____

(For diffusive samples or AIHA lead) Is a known blank included? Yes No

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

Client: Sailors Engineering Associates
Project: HSL
Lab Order: 1205842

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1205842-001A	001 WINDOW ONE	5/10/2012 11:00:00AM	Paint	TOTAL LEAD IN PAINT (N7082)		05/14/2012	05/14/2012
1205842-002A	002 WINDOW TWO	5/10/2012 11:00:00AM	Paint	TOTAL LEAD IN PAINT (N7082)		05/14/2012	05/14/2012

Client: Sailors Engineering Associates
 Project Name: HSL
 Workorder: 1205842

ANALYTICAL QC SUMMARY REPORT

BatchID: 161373

Sample ID: MB-161373	Client ID:	Units: wt%	Prep Date: 05/14/2012	Run No: 221146							
SampleType: MBLK	TestCode: TOTAL LEAD IN PAINT (N7082)	BatchID: 161373	Analysis Date: 05/14/2012	Seq No: 4624065							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead BRL 0.0100 0 0 0 0 0 0 0 0 0 0

Sample ID: LCS-161373	Client ID:	Units: wt%	Prep Date: 05/14/2012	Run No: 221146							
SampleType: LCS	TestCode: TOTAL LEAD IN PAINT (N7082)	BatchID: 161373	Analysis Date: 05/14/2012	Seq No: 4624066							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 0.6930 0.0256 0.7361 0.001980 93.9 80 120 0 0 0

Sample ID: 1205863-001AMS	Client ID:	Units: wt%	Prep Date: 05/14/2012	Run No: 221146							
SampleType: MS	TestCode: TOTAL LEAD IN PAINT (N7082)	BatchID: 161373	Analysis Date: 05/14/2012	Seq No: 4624068							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 4.094 0.143 0.4912 2.993 224 75 125 0 0 S

Sample ID: 1205863-001AMSD	Client ID:	Units: wt%	Prep Date: 05/14/2012	Run No: 221146							
SampleType: MSD	TestCode: TOTAL LEAD IN PAINT (N7082)	BatchID: 161373	Analysis Date: 05/14/2012	Seq No: 4624070							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead 4.235 0.147 0.4912 2.993 253 75 125 4.094 3.4 25 S

Qualifiers: > Greater than Result value < Less than Result value B Analyte detected in the associated method blank
 BRL Below reporting limit E Estimated (value above quantitation range) H Holding times for preparation or analysis exceeded
 J Estimated value detected below Reporting Limit N Analyte not NELAC certified R RPD outside limits due to matrix
 Rpt Lim Reporting Limit S Spike Recovery outside limits due to matrix

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

1205900

3785 Presidential Pkwy., Atlanta, GA 30340-3704
 (770) 457-8177 / Toll Free (800) 972-4889 / Fax (770) 457-8188

**CHAIN OF CUSTODY
 BULK ASBESTOS ANALYSIS**

Client Name: SAILORS ENCL ASSOC, INC Phone: (770) 962-5922
 Address: 1175 Spectrum Dr. Fax: (770) 962-7964
 City, State, Zip: LAWRENCEVILLE GA 30043 Project Name: HSL
 Contact: Robert Berry Project Number: 122-024
 Sampler's Name: Robert Berry Sampling Date: 5-10-12

Sample ID	Sample Location/Description	Analysis Requested	Turnaround Time	Comments	For AES Use Only
1 001	Ceiling Tex LAUNDRY	PVA	NORM		
2 002	LINOLEUM Kitchen	"	"		
3 003	Shingles/FELT ROOF	"	"		
4 004	Shingles/Felt ROOF	"	"		
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Relinquished by: Robert Berry Date/Time: 5/10/12 12:10
 Received by: _____ Date/Time: _____
 Relinquished by: _____ Date/Time: _____
 Received by: _____ Date/Time: _____

FOR LAB USE ONLY

Lab Recipient: [Signature] Date/Time: 5/10/12 Method of Shipment: 12:10 a



Bulk Sample Summary Report



Client Name:	Sailors Engineering Associates	AES Job Number:	1205900
Project Name:	HSL	Project Number:	122-024

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
001 Layer: 1	1205900-001A	Ceiling Tex Laundry	2	ND	ND	ND	ND	ND	Paint included as binder
002 Layer: 1	1205900-002A	Linoleum Kitchen	ND	ND	ND	ND	ND	ND	Vinyl
002 Layer: 2	1205900-002A	Linoleum Kitchen	50	ND	ND	ND	ND	ND	Backing
002 Layer: 3	1205900-002A	Linoleum Kitchen	ND	ND	ND	ND	ND	ND	Glue
003 Layer: 1	1205900-003A	Shingles / Felt Roof	ND	ND	ND	ND	ND	ND	
003 Layer: 2	1205900-003A	Shingles / Felt Roof	ND	ND	ND	ND	ND	ND	
004 Layer: 1	1205900-004A	Shingles / Felt Roof	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to determine the conclusive asbestos content.

It is certified by the signatures below that the laboratory identified is accredited by the National Institute of Standards and Technology for Polarized Light Microscopy (PLM) analysis under the EPA Interim Asbestos Bulk Sample Quality Assurance Program, Laboratory ID 102082-0. All percentages given are by visually estimated volume. All analyses are performed in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, July 1993." This report must not be reproduced except in full without the approval of Analytical Environmental Service, Inc. These test results apply only to the samples actually tested.

Microanalyst: 
Elena Ivanova

QC Analyst: 
Yelena Khanina



ANALYTICAL ENVIRONMENTAL SERVICES, INC.
Bulk Sample Summary Report



Lab ID# 102082-0

16-May-12

Client Name: Sailors Engineering Associates	AES Job Number: 1205900
Project Name: HSL	Project Number: 122-024

Client ID	AES ID	Location	Asbestos Mineral Percentage						Comments
			CH	AM	CR	AN	TR	AC	
004 Layer: 2	1205900-004A	Shingles / Felt Roof	ND	ND	ND	ND	ND	ND	

Note: CH=chrysotile, AM=amosite, CR=crocidolite, AC=actinolite, TR=tremolite, AN=anthophyllite

For comments on the samples, see the individual analysis sheets.

ND = None Detected

PLM is not consistently reliable in detecting small concentrations of asbestos in floor tiles and similar nonfriable materials. Quantitative TEM is currently the only method that can be used to determine the conclusive asbestos content.

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Microanalyst: 
 Elena Ivanova

QC Analyst: 
 Yelena Khanina



Radiation Data
PO Box 150
Skillman, NJ 08558
(609) 466-4300
Fax (609) 466-4302

NJDEP Radon Laboratory License 18017
 NJDEP Radon Measurement Business License MEB 90016

Radon Test Result:

Tue May 15 14:49:44 EDT 2012

NUROCK, HERITAGE
 1340 LAWRENCEVILLE HIGHWAY
 LAWRENCEVILLE, GA 30045

Test Number:	T758605	T758606
Exposure Start Time:	14:30	14:30
Exposure Start Date:	05-11-12	05-11-12
Exposure Stop Time:	10:45	10:45
Exposure Stop Date:	05-14-12	05-14-12
Measurement Time:	12:32	12:43
Measurement Date:	5-15-12	5-15-12
Counting Efficiency:	0.161	0.161
Gross Counts:	1107.0	1062.0
Counting Time:	600.0	600.0
Radon Concentration:	1.8 pCi/l	1.7 pCi/l
Average:	1.8 pCi/l(picocuries per liter)	

(LAB USE ONLY)

Comments: 1;R;S;CH;C;
 H;;;

This notice is provided to you by an organization or individual certified by NJDEP to perform radon gas or radon progeny testing measurements. NJSA 26-2D-73 requires that no certified person disclose to anyone except the DEP or the Dept. of Health the address or owners of a nonpublic building that the person has tested or treated for the presence of radon gas or radon progeny, unless the owner of the building waives in writing this right of confidentiality. In the case of a prospective sale of a building that has been tested for radon gas or progeny, the seller shall provide the buyer, at the time the contract of sales is entered into, with a copy of the results of that test and evidence of any subsequent mitigation or treatment. Any prospective buyer who contracts for the testing shall have the right to receive the results of that testing. Any questions, comments or complains regarding the person performing these measurements, or related mitigation, or safeguarding services, should be directed to the NJDEP, Attn: Radon Section, Bureau of Environmental Radiation, at 1-800-648-0394.

LIMITATION OF LIABILITY: While we at Radiation Data, and all of our licensed professional technicians, make every effort to maintain quality control (including duplicate canister tests, blanks, and "spiked" detectors), we make no warranty of any kind, either express or implied, for the consequences of false test results. Before any remediation action is taken, it is important that follow-up tests be conducted in accordance with USEPA protocols and NJDEP regulations. It is well know that radon concentrations fluctuate greatly under changing weather conditions. Furthermore, radon tests cannot be CERTIFIED, since there is no chain of custody of the test kit, and the "closed-house" conditions cannot be monitored continuously.

APPENDIX F – NOISE ASSESSMENT DOCUMENTATION

1. Noise assessment report
2. Noise attenuation plan (if applicable)

Community Planning and Development

- About CPD
- Economic Development
- Community Development
- Affordable Housing
- Homeless Assistance
- HUDVet
- Environment
 - Environmental Contacts
 - Review Requirements
 - Laws and Regulations
 - Training
 - Resource Library
 - Acquisition/Relocation
 - Energy
 - HIV/AIDS Housing
 - Technical Assistance
 - Online Systems/ Databases Library
 - Laws and Regulations

HUD news

Homes

Resources

Communities

Working with HUD

Tools

- Webcasts
- Mailing lists
- RSS Feeds
- Help



Site DNL Calculator

For more information on using the noise calculator, to access the user guidebook, or send comments, please visit the following page:

[**Day/Night Noise Level Electronic Assessment Tool**](#)

Providing Feedback & Corrections

Using the DNL Assessment Tool, following the directions in the User's Guide, users are encouraged to provide feedback on how the DNL Assessment Tool may be improved. Users are also encouraged to send comments or corrections to the improvement of the tool. Please send comments or other input to: ATEC@hud.gov

Guidelines:

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, are available in this tool and may be accessed by hovering over a field (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

Related Information

- ▶ [Day/Night Noise Level Assessment Tool User Guide](#)
- ▶ [Day/Night Noise Level Assessment Tool Flowcharts](#)

System Requirements

- ▶ [Internet Explorer 6.0 or above](#)
- ▶ [Adobe Reader](#)
- ▶ Enabling JavaScript

Site ID Heritage Gwinnett
 Record Date 5/14/12
 User's Name Sailors Engineering Associates, Inc.

Road # 1 Name:

Road #1			
Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	450	450	450
Distance to Stop Sign			
Average Speed	55	55	50
Average Daily Trips (ADT)	29403	4356	2541
Night Fraction of ADT	15	15	15
Road Gradient (%)			3
Vehicle DNL	58.6037	60.3106	64.793
<input type="button" value="Calculate Road #1 DNL"/>	66.8134	<input type="button" value="Reset"/>	

Railroad #1 Track Identifier:

Rail # 1		
Train Type	Electric <input type="checkbox"/>	Diesel <input checked="" type="checkbox"/>
Effective Distance		1800
Average Train Speed		35
Engines per Train		2
Railway cars per Train		35
Average Train Operations (ATO)		17
Night Fraction of ATO		

		3
Railway whistles or horns?	Yes: No:	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Bolted Tracks?	Yes: No:	Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>
Train DNL		44.7057
Calculate Rail #1 DNL	44.7057	Reset

Airport Noise Level 20

Loud Impulse Sounds? Yes No

Combined DNL for all Road and Rail sources 66.8134

Combined DNL including Airport 66.8134

Site DNL with Loud Impulse Sound

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**
Cancel the project at this location [DNL Calculator](#)
- **Other Reasonable Alternatives**
Choose an alternate site [DNL Calculator](#)
- **Mitigation**
 - **Contact your Field or Regional Environmental Officer - [Environmental Contacts](#)**
 - **Increase mitigation in the building walls** (only effective if no outdoor, noise sensitive areas).
 - **Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses** [DNL Calculator](#)
 - **Incorporate natural or man-made barriers.** See [The Noise Guidebook](#)
 - **Construct noise barrier.** See the [Barrier Performance Module](#)

Content current as of 13 August 2010

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U.S. Department of Housing and Urban Development
 451 7th Street S.W., Washington, DC 20410
 Telephone: (202) 708-1112 TTY: (202) 708-1455
[Find the address of a HUD office near you](#)



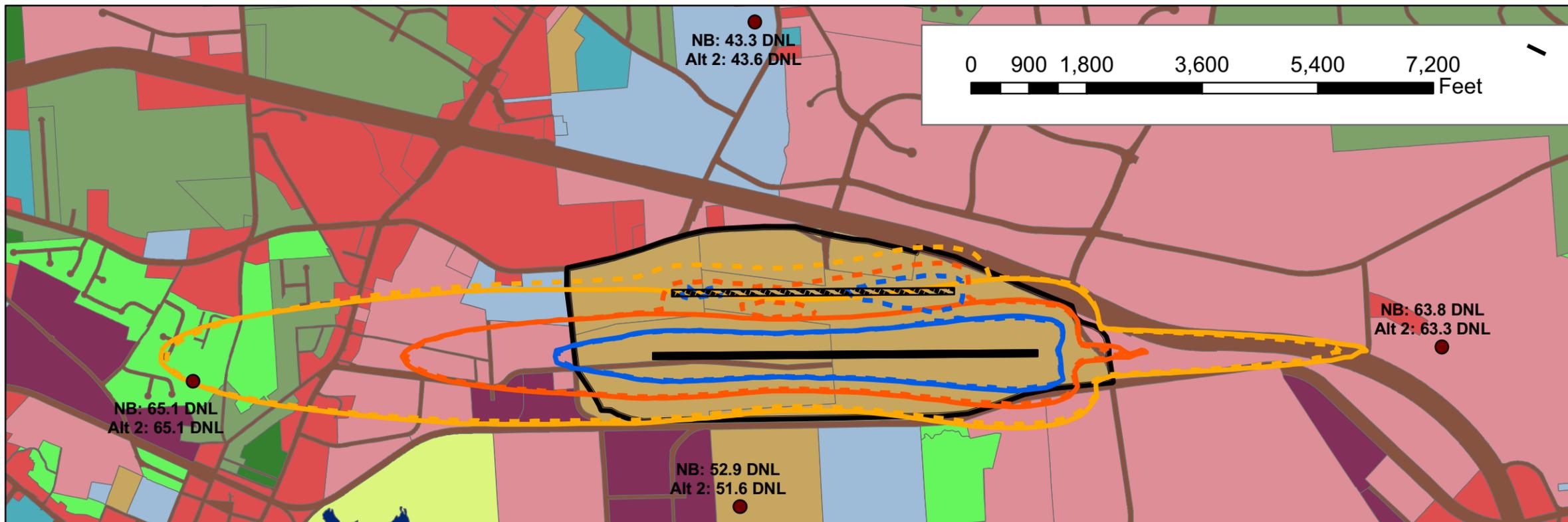
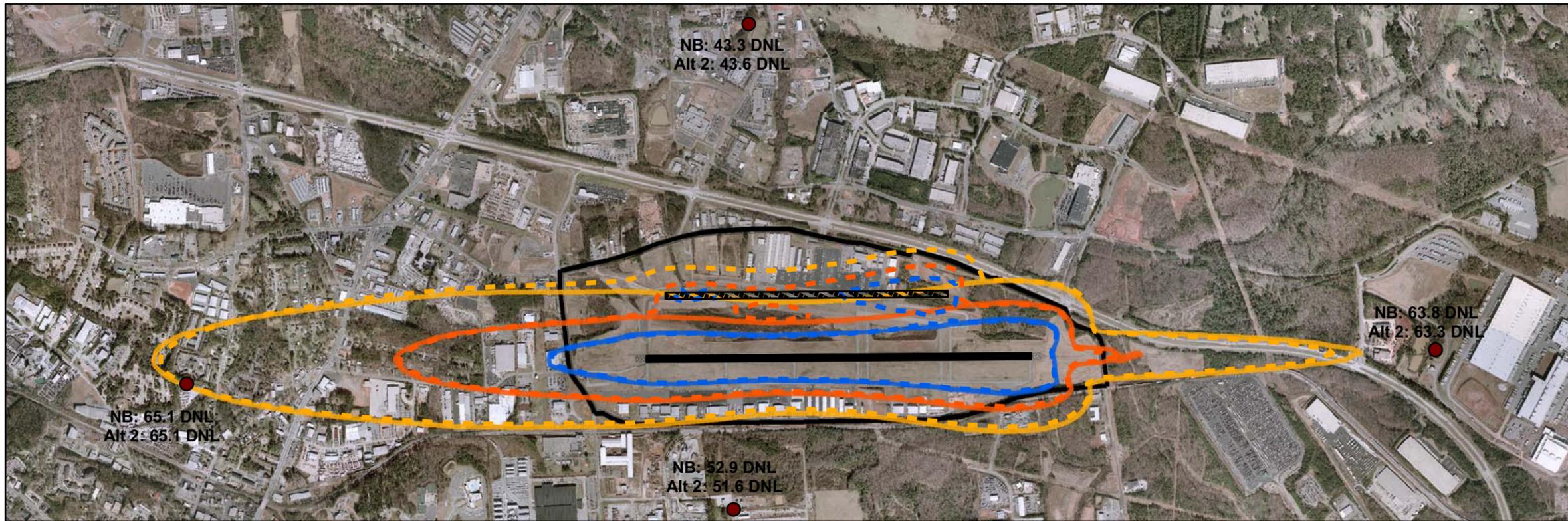


Gwinnett County Airport

Airport Master Plan

Noise Contour Legend

- Airport Property Boundary
- Alternative 2 2015 Airport Runway
- No Build 2015 Airport Runway
- Alternative 2 2015 Grid Points
- Alternative 2 2015 Noise Contours**
 - DNL 65
 - DNL 70
 - DNL 75
- No Build 2015 Noise Contours**
 - DNL 65
 - DNL 70
 - DNL 75



2020 Future Land Use Legend

- Commercial/Retail
- High Density SF Residential
- Heavy Industrial
- Institutional/Public
- Low Density SF Residential
- Light Industrial
- Medium Density SF Residential
- Office/Professional
- Park, Recreation, Conservation
- Right of Way
- Transportation, Communication, Utilities
- Water

Exhibit 5-14
2015 No Build vs. Alternative 2

Data Sources: 2020 Future Land Use Map from the Gwinnett County 2020 Land Use Plan, GIS Digital Data, 2005; PAII, CDM, 2006



Gwinnett County Airport

Airport Master Plan

Noise Contour Legend

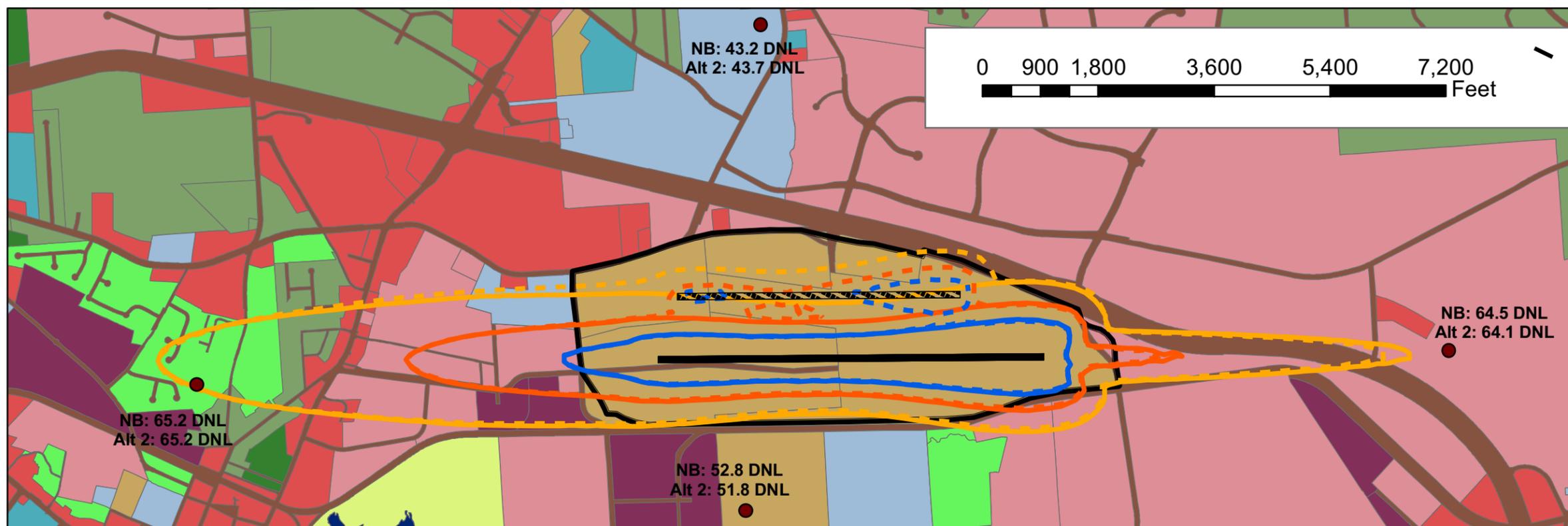
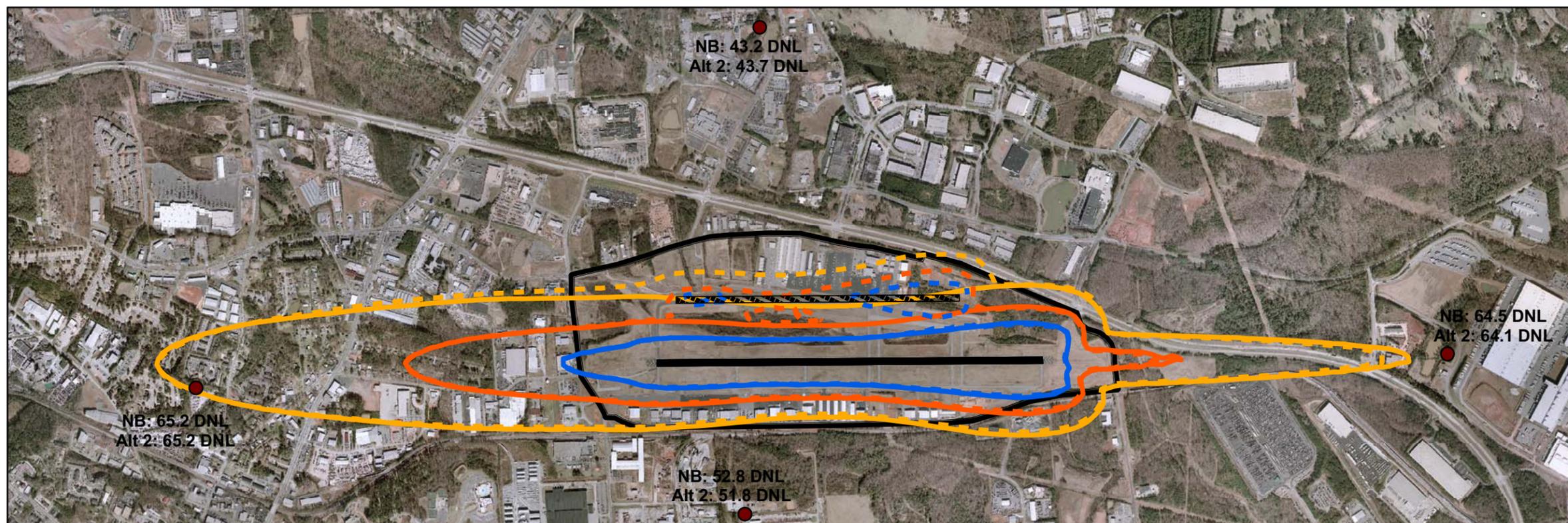
- Airport Property Boundary
- Alternative 2 2025 Airport Runway
- No Build 2025 Airport Runway
- 2025 Grid Points

Alternative 2 2025 Noise Contours

- DNL 65
- DNL 70
- DNL 75

No Build 2025 Noise Contours

- DNL 65
- DNL 70
- DNL 75



2020 Future Land Use Legend

- Commercial/Retail
- High Density SF Residential
- Heavy Industrial
- Institutional/Public
- Low Density SF Residential
- Light Industrial
- Medium Density SF Residential
- Office/Professional
- Park, Recreation, Conservation
- Right of Way
- Transportation, Communication, Utilities
- Water

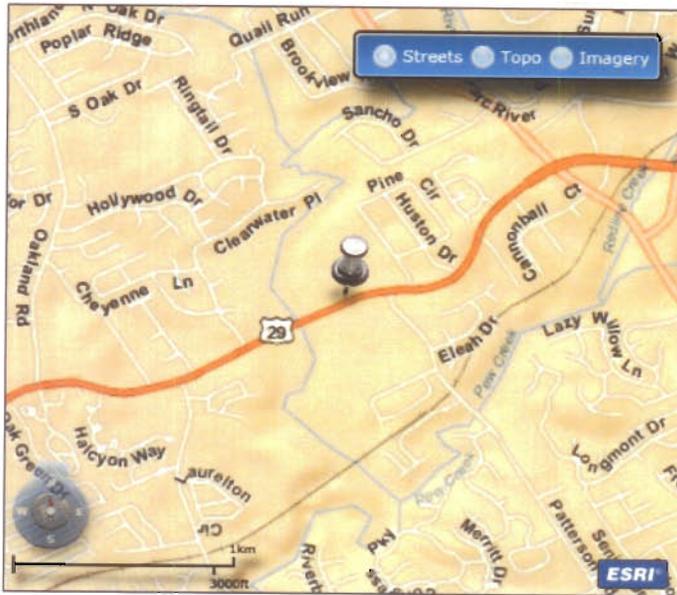
Exhibit 5-15
2025 No Build vs. Alternative 2

Data Sources: 2020 Future Land Use Map from the Gwinnett County 2020 Land Use Plan, GIS Digital Data, 2005; PAII, CDM, 2006



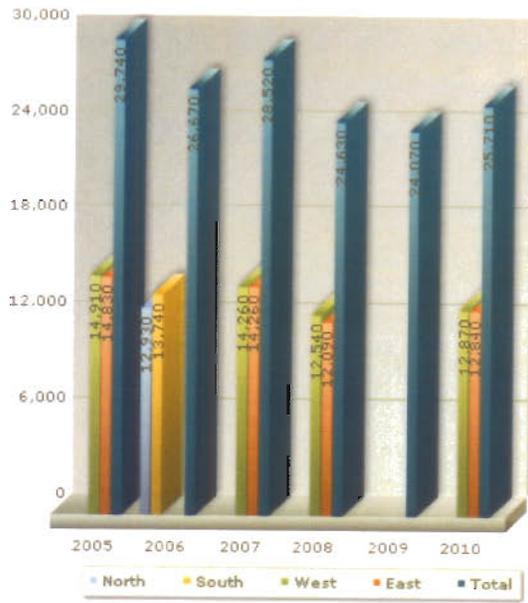
State Traffic & Report Statistics (STARS)

135 Gwinnett, Traffic Counter: 0014



Disclaimer: The Georgia Department of Transportation makes no representation or warranties, implied or expressed, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of this information and data contained on this Web Site.

Year	RCLINK	Beginning Milepoint	Ending Milepoint	Directional	Actual/Estimate	Direction 1	Direction 2	Total AADT	Truck%
2010	1351000800	8.94	10.91	Directional	Actual	12870 (West)	12840 (East)	25710	
2009	1351000800	8.94	11.25	Non-Directional	Estimate			24070	
2008	1351000800	8.94	11.25	Bi-Directional	Actual	12090 (East)	12540 (West)	24630	
2007	1351000800	8.94	11.25	Bi-Directional	Estimate	14260 (West)	14260 (East)	28520	
2006	1351000800	8.94	11.25	Bi-Directional	Actual	13740 (South)	12930 (North)	26670	
2005	1351000800	8.94	11.30	Bi-Directional	Actual	14910 (West)	14830 (East)	29740	



Vehicle Classification By Fun Class

Parameters:

Processed Date: 3/8/12

Date Selected Between = 1/1/2011 and 12/31/2011

Functional Class: 06 Rural Minor Arterial

Peak Hour Traffic: 6 PM

Hour	Cycles	Cars	Pickup	Bus	Single Unit Trucks			Single Unit Trailers			Multi Trailers			Truck %
					2 Axle	3 Axle	4 Axle	3/4 Axle	5 Axle	6 Axle	5 Axle	6 Axle	7 Axle	
1	0.25	72.94	18.08	0.25	1.76	0.34	0.01	0.82	4.97	0.15	0.11	0.1	0.12	8.73
2	0.28	70	17.35	0.43	2.01	0.59	0.01	1.04	7.76	0.18	0.17	0.07	0.07	12.37
3	0.27	67.99	17.41	0.67	2.1	0.7	0	1.24	9.24	0.17	0.14	0.02	0.04	14.34
4	0.27	65.69	17.55	0.65	2.83	0.87	0.01	1.47	10.15	0.24	0.1	0.03	0.08	16.49
5	0.44	63.39	22.39	0.42	2.77	0.86	0.02	1.21	8.05	0.23	0.1	0.04	0.06	13.79
6	0.29	64.69	26.05	0.53	2.95	0.61	0.01	0.69	3.99	0.11	0.03	0.02	0.03	8.97
7	0.34	66.84	24.57	0.64	3.46	0.63	0.01	0.72	2.67	0.08	0.01	0.01	0.02	8.25
8	0.23	69.6	22.89	0.62	3.04	0.65	0.01	0.69	2.15	0.09	0	0	0.02	7.27
9	0.27	66.22	24.02	0.71	3.69	0.87	0.01	1	3.04	0.14	0	0	0.02	9.49
10	0.38	64.18	24.66	0.67	4.02	1	0.01	1.11	3.79	0.15	0	0	0.02	10.78
11	0.48	65.07	24.25	0.61	3.54	0.97	0.01	1.14	3.77	0.12	0.01	0	0.01	10.2
12	0.54	65.73	24.13	0.56	3.33	0.9	0.01	1.12	3.56	0.1	0.01	0	0.01	9.59
13	0.57	67.18	23.65	0.49	3.07	0.78	0.01	1.01	3.15	0.08	0.01	0.01	0.01	8.6
14	0.6	67.47	23.47	0.56	3.07	0.76	0.01	1.01	2.95	0.08	0.01	0	0.01	8.46
15	0.61	68.07	23.65	0.51	2.98	0.66	0.01	0.91	2.52	0.06	0	0	0.01	7.67
16	0.57	68.99	23.61	0.51	2.92	0.51	0	0.79	2.03	0.05	0	0	0	6.83
17	0.51	69.98	23.42	0.43	2.66	0.43	0	0.74	1.76	0.05	0.01	0	0	6.09
18	0.46	71.57	22.82	0.21	2.51	0.27	0	0.64	1.46	0.04	0.01	0	0	5.15
19	0.45	71.45	22.93	0.19	2.46	0.23	0	0.59	1.63	0.04	0.01	0	0.01	5.17
20	0.42	72.03	22.6	0.17	2.19	0.2	0	0.56	1.77	0.04	0.01	0	0.01	4.95
21	0.37	72.83	21.92	0.17	2.02	0.19	0	0.53	1.9	0.04	0.01	0	0.01	4.87
22	0.31	74.51	20.46	0.2	1.77	0.17	0	0.46	2.03	0.04	0.03	0.01	0.01	4.72
23	0.27	75.19	19.5	0.17	1.65	0.18	0	0.47	2.45	0.05	0.05	0.01	0.01	5.04
24	0.33	74.66	19.07	0.28	1.68	0.24	0	0.51	3.13	0.06	0.02	0.01	0.01	5.94
Totals:	0.45	68.84	23.19	0.45	2.89	0.58	0.01	0.82	2.67	0.08	0.01	0.01	0.01	7.52

File Location:

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ROAD ON	BETWEEN	AND	AGENCY	DATE COUNTED	DAY OF WEEK	EQUIPMENT	NBEB VOL	SBWB VOL	PEAK HOUR 'RAW VOL	EST. PEAK HR VOL	D-FACTOR	TOTAL 'RAW VOLUME	EST. ADT
LAWRENCEVILLE HIGHWAY	HARBINS ROAD	HILLCREST ROAD	P	05/06/09	Wednesday	T	20,377	20,136	3,333	3,168	63	40,513	38,504
LAWRENCEVILLE HIGHWAY	HARBINS ROAD	HILLCREST ROAD	P	05/08/08	Thursday	T	17,735	18,304	2,960	2,813	62	36,039	34,251
LAWRENCEVILLE HIGHWAY	HARMONY GROVE ROAD	ROCKBRIDGE ROAD	P	05/28/09	Thursday	T	17,550	17,171	2,741	2,605	60	34,721	32,999
LAWRENCEVILLE HIGHWAY	HARMONY GROVE ROAD	ROCKBRIDGE ROAD	P	05/13/08	Tuesday	T	12,489	12,216	1,949	1,852	60	24,705	23,480
LAWRENCEVILLE HIGHWAY	HILLCREST ROAD	INDIAN TRAIL-LILBURN ROAD	P	05/28/08	Wednesday	T	18,997	19,453	2,870	2,728	64	38,450	36,543
LAWRENCEVILLE HIGHWAY	INDIAN TRAIL-LILBURN ROAD	BEAVER RUIN ROAD	P	05/06/08	Tuesday	T	17,686	18,084	2,746	2,610	56	35,770	33,996
LAWRENCEVILLE HIGHWAY	JIMMY CARTER BOULEVARD	HARMONY GROVE ROAD	P	05/06/09	Wednesday	T	17,680	17,410	3,153	2,997	68	35,090	33,350
LAWRENCEVILLE HIGHWAY	JIMMY CARTER BOULEVARD	HARMONY GROVE ROAD	P	05/06/08	Tuesday	T	16,843	16,583	3,003	2,854	68	33,426	31,768
LAWRENCEVILLE HIGHWAY	JOHNSON ROAD	GWINNETT DRIVE	S	12/07/08	Sunday							23,100	23,331
LAWRENCEVILLE HIGHWAY	JOHNSON ROAD	GWINNETT DRIVE	S	12/02/07	Sunday	T	11,604	12,693				24,297	24,540
LAWRENCEVILLE HIGHWAY	LAWRENCEVILLE-SUWANEE ROAD	JOHNSON ROAD	P	08/13/08	Wednesday	T	12,775	13,090	2,236	2,103	60	25,865	24,326
LAWRENCEVILLE HIGHWAY	OAKLAND ROAD	PATTERSON ROAD	P	08/27/09	Thursday	T	13,003	13,853	2,098	1,973	60	26,856	25,258
LAWRENCEVILLE HIGHWAY	OAKLAND ROAD	PATTERSON ROAD	S	12/07/08	Sunday		12,090	12,540				24,630	24,876
LAWRENCEVILLE HIGHWAY	PATTERSON ROAD	SUGARLOAF PARKWAY	P	08/12/08	Tuesday	T	15,808	15,640	2,514	2,364	50	31,448	29,577
LAWRENCEVILLE HIGHWAY	PLEASANT HILL ROAD	RONALD REAGAN PARKWAY	P	05/06/09	Wednesday	T	22,475	21,414	3,343	3,177	64	43,889	41,712
LAWRENCEVILLE HIGHWAY	PLEASANT HILL ROAD	RONALD REAGAN PARKWAY	P	05/08/07	Tuesday	T	24,980	24,612	3,761	3,574	63	49,592	47,132
LAWRENCEVILLE HIGHWAY	ROCKBRIDGE ROAD	HARBINS ROAD	P	05/27/08	Tuesday	T	19,181	19,100	3,037	2,886	61	38,281	36,382
LAWRENCEVILLE HIGHWAY	RONALD REAGAN PARKWAY	BETHESDA SCHOOL ROAD	P	08/27/09	Thursday		15,791	16,297	2,465	2,318	86	32,088	30,179
LAWRENCEVILLE HIGHWAY	RONALD REAGAN PARKWAY	BETHESDA SCHOOL ROAD	S	12/07/08	Sunday		15,870	16,400				32,270	32,593
LAWRENCEVILLE HIGHWAY	RONALD REAGAN PARKWAY	BETHESDA SCHOOL ROAD	S	12/02/07	Sunday		16,149	16,149				32,298	32,621
LAWRENCEVILLE HIGHWAY	SUGARLOAF PARKWAY	LAWRENCEVILLE-SUWANEE ROAD	P	08/21/08	Tuesday	T	14,446	14,115	2,196	2,065	53	28,561	26,862
LAWRENCEVILLE STREET	JONES STREET	BUFORD HIGHWAY	P	03/17/10	Wednesday	T	3,433	3,589	797	836	72	7,022	7,369
LAWRENCEVILLE STREET	JONES STREET	BUFORD HIGHWAY	P	03/20/07	Tuesday	T	3,958	3,714	822	863	78	7,672	8,051
LAWRENCEVILLE-SUWANEE ROAD	BUFORD HIGHWAY	SATELLITE BOULEVARD	P	01/20/09	Tuesday	T	12,327	12,971	1,871	2,056	57	25,298	27,800
LAWRENCEVILLE-SUWANEE ROAD	BUFORD HIGHWAY	SATELLITE BOULEVARD	S	12/07/08	Sunday		15,030	15,770				30,800	31,108
LAWRENCEVILLE-SUWANEE ROAD	BUFORD HIGHWAY	SATELLITE BOULEVARD	S	12/02/07	Sunday		15,366	14,891				30,257	30,560
LAWRENCEVILLE-SUWANEE ROAD	DEAN ROAD	MCKENDREE CHURCH ROAD	P	09/22/11	Thursday	T	17,923	19,340	3,306	3,175	59	37,263	35,784
LAWRENCEVILLE-SUWANEE ROAD	DEAN ROAD	MCKENDREE CHURCH ROAD	P	09/23/08	Tuesday	T	17,291	17,180	3,103	2,980	55	34,471	33,103
LAWRENCEVILLE-SUWANEE ROAD	DULUTH HIGHWAY	OLD NORCROSS ROAD EAST	P	08/25/10	Wednesday	T	10,408	10,168	1,797	1,690	52	20,576	19,352
LAWRENCEVILLE-SUWANEE ROAD	DULUTH HIGHWAY	OLD NORCROSS ROAD EAST	P	08/13/08	Wednesday	T	9,550	9,323	1,648	1,550	52	18,873	17,750
LAWRENCEVILLE-SUWANEE ROAD	I-85	OLD PEACHTREE ROAD	P	09/28/10	Sunday	T	22,212	22,056	3,510	3,405	56	44,268	42,940
LAWRENCEVILLE-SUWANEE ROAD	I-85	OLD PEACHTREE ROAD	P	09/11/07	Tuesday	T	20,153	19,929	3,182	3,056	56	40,082	38,491

ROAD ON	BETWEEN	AND	AGENCY	DATE COUNTED	DAY OF WEEK	EQUIPMENT	NBEB VOL	SBWB VOL	PEAK HOUR 'RAW' VOL	EST. PEAK HR VOL	D-FACTOR	TOTAL 'RAW' VOLUME	EST. ADT
JIMMY CARTER BOULEVARD	WILLIAMS ROAD	ROCKBRIDGE ROAD	P	04/02/09	Thursday	T	15,777	15,572	2,407	2,311	58	31,349	30,104
JIMMY CARTER BOULEVARD	WILLIAMS ROAD	ROCKBRIDGE ROAD	P	04/24/08	Thursday	T	15,208	14,966	2,130	2,045	57	30,174	28,976
JIMMY CARTER BOULEVARD	WILLIAMS ROAD	ROCKBRIDGE ROAD	P	04/10/07	Tuesday	T	15,519	16,783	2,500	2,401	60	32,302	31,020
JIMMY DODD ROAD	SYCAMORE ROAD	BUFORD DAM ROAD	P	01/18/11	Tuesday	T	573	609	166	182	52	1,182	1,299
JIMMY DODD ROAD	SYCAMORE ROAD	BUFORD DAM ROAD	P	03/04/09	Wednesday	T	730	632	163	171	55	1,362	1,429
JOHNSON DRIVE	ANNISTOWN ROAD	CENTERVILLE HIGHWAY	P	06/14/11	Tuesday	T	1,556	1,535	305	287	62	3,091	2,907
JOHNSON DRIVE	ANNISTOWN ROAD	CENTERVILLE HIGHWAY	P	06/19/08	Thursday	T	1,422	1,259	223	210	57	2,681	2,521
JOHNSON ROAD	FIVE FORKS TRICKUM ROAD	SUGARLOAF PARKWAY	P	08/11/10	Wednesday	T	1,234	871	162	152	77	2,105	1,980
JOHNSON ROAD	FIVE FORKS TRICKUM ROAD	SUGARLOAF PARKWAY	P	08/29/07	Wednesday	T	1,043	903	200	188	66	1,946	1,830
JOHNSON ROAD	LAWRENCEVILLE HIGHWAY	FIVE FORKS TRICKUM ROAD	P	08/10/11	Wednesday	T	4,090	4,033	846	796	59	8,123	7,640
JOHNSON ROAD	LAWRENCEVILLE HIGHWAY	FIVE FORKS TRICKUM ROAD	P	08/19/08	Tuesday	T	4,165	4,238	803	755	65	8,403	7,903
JOHNSON ROAD	LAWRENCEVILLE HIGHWAY	FIVE FORKS TRICKUM ROAD	P	08/29/07	Wednesday	T	3,758	3,930	731	688	65	7,688	7,231
JOHNSON ROAD	SETTLES BRIDGE ROAD	SUWANEE DAM ROAD	P	02/04/10	Thursday	T	3,592	3,644	807	847	52	7,236	7,593
JOHNSON ROAD	SETTLES BRIDGE ROAD	SUWANEE DAM ROAD	P	01/16/07	Tuesday	T	2,964	3,021	855	940	50	5,985	6,577
JONES MILL ROAD	BUFORD HIGHWAY	PEACHTREE INDUSTRIAL BOULEVARD	P	03/16/10	Tuesday	T	4,525	4,567	882	926	50	9,092	9,541
JONES MILL ROAD	BUFORD HIGHWAY	PEACHTREE INDUSTRIAL BOULEVARD	P	03/12/09	Thursday	T	4,713	3,993	913	958	57	8,706	9,136
JONES MILL ROAD	BUFORD HIGHWAY	PEACHTREE INDUSTRIAL BOULEVARD	P	03/22/07	Thursday	T	5,034	5,623	971	1,019	62	10,657	11,183
JONES MILL ROAD	JONES MILL SPUR	GREEN POINTE PARKWAY	P	03/17/10	Wednesday	T	1,028	1,602	228	239	59	2,630	2,760
JONES MILL ROAD	JONES MILL SPUR	GREEN POINTE PARKWAY	P	03/22/07	Thursday	T	992	1,548	214	225	57	2,540	2,665
JUHAN ROAD	ANNISTOWN ROAD	SOUTH ROCKBRIDGE ROAD	P	06/24/09	Wednesday	T	614	655	121	114	55	1,269	1,193
JUHAN ROAD	ANNISTOWN ROAD	SOUTH ROCKBRIDGE ROAD	P	06/26/07	Tuesday	T	362	345	92	87	57	707	665

**Georgia Department of Transportation
Office of Transportation Data**

2010 Truck Percentages by Location

County	TC	Location	Wk Day Truck %	WKEnd Truck %	Avg Truck %	AADT
GLYNN	0289	CR582/Frederica Rd:bn Lawrence Rd & Sea Island Dr	2.5	0.7	2.0	7,240
GLYNN	0312	I-95/SR 405 btwn SR 27 & Golden Isles Pkwy (SR 25SP)	25.5	15.8	23.1	45,540
GLYNN	0456	Gloucester St/SR25 Connector	3.1	2.1	3.0	8,610
GORDON	0103	I-75:1 mi South of SR156, S of Calhoun	28.1	15.4	23.3	66,300
GWINNETT	0241	SR 316: 1.1 Mile W of Sugarloaf Pkwy	7.5	3.7	6.6	87,860
GWINNETT	0267	SR419/I-985:bn I-85 & SR20 Buford Dr	10.6	4.3	9.0	57,050
GWINNETT	0298	I-85 BTWN SR316 & SR120	14.0	7.1	12.0	150,500
GWINNETT	0305	I-85NB:btwn Lawrenceville-Suwanee Rd and I-85/I985 split	14.4	7.7	11.5	145,760
GWINNETT	0307	I-85:btwn I-85/I-985 and Suwanee-SR20 (N of split)	16.2	8.7	14.3	93,300
GWINNETT	0563	Lenora Church Rd:bn E.Park & Dorian Rd	3.5	1.6	3.0	16,030
HABERSHAM	0152	CR648/Old SR15:N of CR128	5.5	3.1	4.9	1,270
HALL	0183	SR13:@Southern Railroad	6.5	2.7	5.2	13,080
HALL	0514	CR186/Elrod Rd:E of SR136	4.6	3.1	4.2	2,460
HALL	0532	White Sulphur Rd:bn Jesse Jewel Pkwy & Beverly	5.1	3.8	4.9	4,290
HALL	0587	Industrial Blvd:bn Hall & Mtn Crest	4.8	2.0	4.2	5,420
HARALSON	0126	I-20 @ Alabama State Line	38.0	20.1	32.3	31,650
HARRIS	0234	I-85:1.1 mi North of Alabama State Line	19.8	11.4	17.3	30,970
HART	0287	I-85:bn Hart/Franklin Co line & SR77 Whitworth Rd	33.4	16.6	28.2	40,020
HENRY	0412	I-75:bn I-675 & Hudson Bridge Rd	15.1	8.7	12.8	145,160
HENRY	0446	I-675:bn I-75 & Clayton Co Line	17.0	8.1	14.0	44,950
HOUSTON	0109	SR96:1.4 mi W of Moody Rd	6.6	3.8	5.9	18,550



May 29, 2012

Mr. Robert Berry
Sailors Engineering Associates
bob_berry@sailors-engineering.com

Dear Mr. Berry:

In response to your inquiries about CSXT train traffic in the vicinity of Lawrenceville, GA at Patterson Road, we have provided the following information:

- An average of 16 trains per day pass through the area on the CSXT line in Lawrenceville. Train count is subject to change depending on customer demand.
- Trains operate 24 hours a day, seven days a week, 365 days a year.
- About half operate during day light hours and about half operate after 10:00 p.m.
- The trains have diesel locomotive engines with approximately 2 locomotives per train.
- Car count per train can vary widely; generally trains have between 40 and 100 cars.
- The track is welded.
- The maximum track speed is approximately 50 MPH for freight trains.
- According to the Federal Railroad Administration's Train Horn Rule, enacted June 24, 2005, **all crossings require four whistles**, 2 long, 1 short, and 1 long. Train horns must be between 96 and 110 decibels as prescribed by the FRA. (Whistle posts are located ¼ of a mile before a crossing.) Please visit the FRA's web site for more rules on train horns at www.fra.dot.gov and click on the "Train Horn Rule" link.

Please contact TellCSX at 1-877-TELLCSX if you need additional information.

Sincerely,

TellCSX Team

st

Ref: 2142s5306124

APPENDIX G – REGULATORY SEARCH INFORMATION

1. Regulated Facilities Radius Map Report
2. File Review Documents (if applicable)

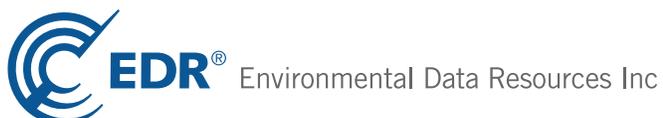
Heritage At Gwinnett

1340 Lawrenceville Highway
Lawrenceville, GA 30046

Inquiry Number: 3314908.2s
May 14, 2012

The EDR Radius Map™ Report with GeoCheck®

Prepared using the EDR FieldCheck® System



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of the environmental records was conducted by Environmental Data Resources, Inc. (EDR). SAILORS ENG ASSOC INC. used the EDR FieldCheck System to review and/or revise the results of this search, based on independent data verification by SAILORS ENG ASSOC INC.. 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

1340 LAWRENCEVILLE HIGHWAY
LAWRENCEVILLE, GA 30046

COORDINATES

Latitude (North):	33.9366000 - 33° 56' 11.76"
Longitude (West):	84.0224000 - 84° 1' 20.64"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	775232.2
UTM Y (Meters):	3758927.0
Elevation:	960 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	33084-H1 LUXOMNI, GA
Most Recent Revision:	1999

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

No sites were identified in following databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... Hazardous Site Inventory
GA NON-HSI..... Non-Hazardous Site Inventory

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Disposal Facilities

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

INDIAN UST..... Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL..... Public Record List
AUL..... Uniform Environmental Covenants

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VIC..... Voluntary Cleanup Program site

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Public Record List

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
HIST LF..... Historical Landfills
SWRCY..... Recycling Center Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
DEL SHWS..... Delisted Hazardous Site Inventory Listing
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills Information

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision

EXECUTIVE SUMMARY

UMTRA.....	Uranium Mill Tailings Sites
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
NPDES.....	NPDES Wastewater Permit List
AIRS.....	Permitted Facility and Emissions Listing
TIER 2.....	Tier 2 Data Listing
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
FINANCIAL ASSURANCE.....	Financial Assurance Information Listing
COAL ASH.....	Coal Ash Disposal Site Listing
COAL ASH DOE.....	Sleam-Electric Plan Operation Data

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

EXECUTIVE SUMMARY

RCRA-SQG: 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.

An online review and analysis by SAILORS ENG ASSOC INC. of the RCRA-SQG list, as provided by EDR, and dated 11/10/2011 has revealed that there is 1 RCRA-SQG site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WAL-MART SUPERCENTER #3388	1400 LAWRENCEVILLE HWY	W 0 - 1/8 (0.098 mi.)	1	7

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Natural Resources' Underground Storage Tank Database.

An online review and analysis by SAILORS ENG ASSOC INC. of the UST list, as provided by EDR, and dated 03/08/2012 has revealed that there are 3 UST sites within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MURPHY USA #7221	1410 LAWRENCEVILLE HWY	WNW 1/8 - 1/4 (0.161 mi.)	2	11
BIG H FOOD STORE #101	1184 HWY 29 S	ENE 1/8 - 1/4 (0.198 mi.)	A3	13
INGLES GAS EXPRESS #102	1154 LAWRENCEVILLE HWY	ENE 1/4 - 1/2 (0.283 mi.)	A5	18

AST: A listing of LP gas tank site locations.

An online review and analysis by SAILORS ENG ASSOC INC. of the AST list, as provided by EDR, and dated 03/06/2012 has revealed that there is 1 AST site within approximately 0.375 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG H FOOD STORE (2ND RACK)	1184 HIGHWAY 29	ENE 1/8 - 1/4 (0.199 mi.)	A4	17

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

DRYCLEANERS: A list of drycleaners in the state. The listing includes drycleaner facilities, that use perchloroethylene, that responded to the Notification of Compliance Status forms. It also includes those businesses that are pick-up stores only and do not conduct dry cleaning on site.

An online review and analysis by SAILORS ENG ASSOC INC. of the DRYCLEANERS list, as provided by EDR, and dated 09/18/2009 has revealed that there is 1 DRYCLEANERS site within approximately 0.375 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GOOD CENT CLEANERS	65 LAWRENCEVILLE SUWANEWSW	1/4 - 1/2 (0.311 mi.)	6	19

EXECUTIVE SUMMARY

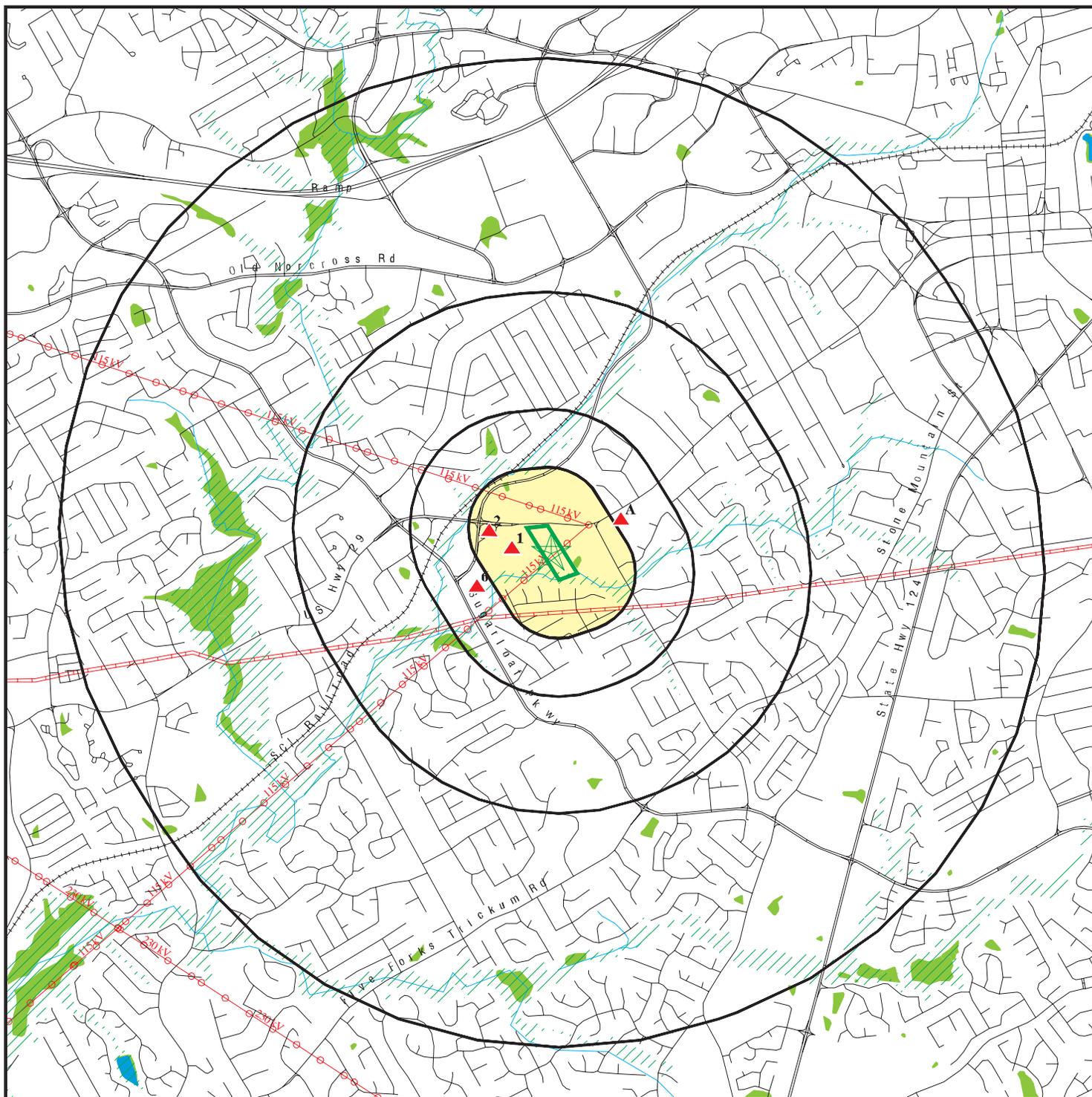
LOT 87A HUNTINGTON FALLS S/D	SWF/LF
LOT HF88A HUNTINGTON FALLS S/D	SWF/LF
LOT HF6B HUNTINGTON FALLS S/D	SWF/LF
LOT 9B HUNTINGTON FALLS S/D	SWF/LF
LOT 63A APALACHEE RIVER CLUB S/D	SWF/LF
LOT 67A APALACHEE RIVER CLUB S/D	SWF/LF
LOT 84A HUNTINGTON FALLS S/D	SWF/LF
LOT 86B MCKENDREE PARK S/D	SWF/LF
LOT 86A HUNTINGTON FALLS S/D	SWF/LF
BRENTWOOD HOMES, INC. INERT LANDFI	SWF/LF
DOUG WOOLRIDGE INERT LANDFILL	SWF/LF
DOUG WOOLRIDGE INERT LANDFILL	SWF/LF
HEDGEWOOD PROPERTIES INERT LANDFIL	SWF/LF
RYLAND HOMES INERT LANDFILL LOT 99	SWF/LF
RYLAND HOMES INERT LANDFILL LOT 9B	SWF/LF
RYLAND HOMES INERT LANDFILL LOT 98	SWF/LF
RYLAND HOMES INERT LANDFILL LOT 93	SWF/LF
RYLAND HOMES INERT LANDFILL LOT 41	SWF/LF
TRATON CORP. OF GWINNETT INERT LAN	SWF/LF
TRATON CORP. OF GWINNETT INERT LAN	SWF/LF
JAY BULLOCK - BUILDER, INC.	SWF/LF
COPPER KEY HOMES, INC. INERT LANDF	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
TRATON CORP. OF GWINNETT INERT LAN	SWF/LF
JOHN WIELAND HOMES, INC. INERT LAN	SWF/LF
F A SIMS OIL CO/BULK PLANT	FINDS, LUST
EXXON FOOD MART	LUST
BIG H. CHEVRON #92	AST
SHELL FOOD MART	AST
MAJIK MARKET	AST
GK STORES, INC.	AST
BIG H FOODS	AST
SPEEDWAY #383	AST
B & C TRUE VALUE HARDWARE	AST
S & D FOOD & GAS	AST
HOP-N-STOP, INC.	AST
FERRELLGAS, INC. (CLOSED)	AST
HOME DEPOT WAREHOUSE	AST
FIRESTONE BUILDING PRODUCT	AST
AMOCO C. STORE	AST
CIRCLE K #1127	RCRA-NonGen, FINDS
WAL-MART STORE #548	RCRA-NonGen, FINDS
BIG H FOOD STORE	RCRA-CESQG, FINDS
HAYES CHRYSLER PLYMOUTH DODGE	RCRA-CESQG, FINDS
LAWRENCEVILLE, CITY OF	DOT OPS
MATTHEWS/DYKES LLC	AIRS

EXECUTIVE SUMMARY

VULCAN MATERIALS CO.
MR. MARBLE INC
MANEUROP INC
WALTON EMC/CREWS
NATIONAL CEMENT CO
LECO CORP

AIRS
AIRS
AIRS
AIRS
AIRS
AIRS

OVERVIEW MAP - 3314908.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

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: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.2s
 DATE: May 14, 2012 3:05 pm

DETAIL MAP - 3314908.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  Oil & Gas pipelines from USGS
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

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

<p>SITE NAME: Heritage At Gwinnett ADDRESS: 1340 Lawrenceville Highway Lawrenceville GA 30046 LAT/LONG: 33.9366 / 84.0224</p>	<p>CLIENT: Sailors Eng Assoc Inc. CONTACT: Robert Berry INQUIRY #: 3314908.2s DATE: May 14, 2012 3:06 pm</p>
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.125		0	0	0	0	0	0
Proposed NPL	1.125		0	0	0	0	0	0
NPL LIENS	0.125		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.125		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.625		0	0	0	0	NR	0
FEDERAL FACILITY	1.125		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.625		0	0	0	0	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.125		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.625		0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.375		0	0	0	NR	NR	0
RCRA-SQG	0.375		1	0	0	NR	NR	1
RCRA-CESQG	0.375		0	0	0	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.625		0	0	0	0	NR	0
US INST CONTROL	0.625		0	0	0	0	NR	0
<i>Federal ERNS list</i>								
ERNS	0.125		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	1.125		0	0	0	0	0	0
GA NON-HSI	1.125		0	0	0	0	0	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.625		0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.625		0	0	0	0	NR	0
INDIAN LUST	0.625		0	0	0	0	NR	0
<i>State and tribal registered storage tank lists</i>								
UST	0.375		0	2	1	NR	NR	3

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST	0.375		0	1	0	NR	NR	1
INDIAN UST	0.375		0	0	0	NR	NR	0
FEMA UST	0.375		0	0	0	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.625		0	0	0	0	NR	0
AUL	0.625		0	0	0	0	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.625		0	0	0	0	NR	0
VIC	0.625		0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.625		0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.625		0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.625		0	0	0	0	NR	0
DEBRIS REGION 9	0.625		0	0	0	0	NR	0
HIST LF	0.625		0	0	0	0	NR	0
SWRCY	0.625		0	0	0	0	NR	0
INDIAN ODI	0.625		0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	0.125		0	NR	NR	NR	NR	0
DEL SHWS	1.125		0	0	0	0	0	0
US HIST CDL	0.125		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.125		0	NR	NR	NR	NR	0
LUCIS	0.625		0	0	0	0	NR	0
Records of Emergency Release Reports								
HMIRS	0.125		0	NR	NR	NR	NR	0
SPILLS	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen	0.375		0	0	0	NR	NR	0
DOT OPS	0.125		0	NR	NR	NR	NR	0
DOD	1.125		0	0	0	0	0	0
FUDS	1.125		0	0	0	0	0	0
CONSENT	1.125		0	0	0	0	0	0
ROD	1.125		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UMTRA	0.625		0	0	0	0	NR	0
MINES	0.375		0	0	0	NR	NR	0
TRIS	0.125		0	NR	NR	NR	NR	0
TSCA	0.125		0	NR	NR	NR	NR	0
FTTS	0.125		0	NR	NR	NR	NR	0
HIST FTTS	0.125		0	NR	NR	NR	NR	0
SSTS	0.125		0	NR	NR	NR	NR	0
ICIS	0.125		0	NR	NR	NR	NR	0
PADS	0.125		0	NR	NR	NR	NR	0
MLTS	0.125		0	NR	NR	NR	NR	0
RADINFO	0.125		0	NR	NR	NR	NR	0
FINDS	0.125		0	NR	NR	NR	NR	0
RAATS	0.125		0	NR	NR	NR	NR	0
NPDES	0.125		0	NR	NR	NR	NR	0
DRYCLEANERS	0.375		0	0	1	NR	NR	1
AIRS	0.125		0	NR	NR	NR	NR	0
TIER 2	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.125		0	0	0	0	0	0
SCRD DRYCLEANERS	0.625		0	0	0	0	NR	0
PCB TRANSFORMER	0.125		0	NR	NR	NR	NR	0
COAL ASH EPA	0.625		0	0	0	0	NR	0
FINANCIAL ASSURANCE	0.125		0	NR	NR	NR	NR	0
COAL ASH	0.625		0	0	0	0	NR	0
COAL ASH DOE	0.125		0	NR	NR	NR	NR	0

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants	1.125		0	0	0	0	0	0
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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
West
< 1/8
0.098 mi.
518 ft.

WAL-MART SUPERCENTER #3388
1400 LAWRENCEVILLE HWY
LAWRENCEVILLE, GA 30044

RCRA-SQG 1008372521
GAR000040816

Relative:
Higher

RCRA-SQG:

Actual:
973 ft.

Date form received by agency: 10/26/2010
Facility name: WAL-MART SUPERCENTER #3388
Facility address: 1400 LAWRENCEVILLE HWY
LAWRENCEVILLE, GA 30044
EPA ID: GAR000040816
Mailing address: PO BOX 8041
BENTONVILLE, AR 727128041
Contact: JUSTIN P WILSON
Contact address: PO BOX 8041
BENTONVILLE, AR 727128041
Contact country: US
Contact telephone: (479) 204-3517
Contact email: JSUTIN.P.WILSON@WAL-MART.COM
EPA Region: 04
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: WAL-MART STORES EAST LP
Owner/operator address: PO BOX 8041
BENTONVILLE, AR 72712
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/18/2005
Owner/Op end date: Not reported

Owner/operator name: WAL-MART STORES EAST LP
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 05/18/2005
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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER #3388 (Continued)

1008372521

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

Historical Generators:

Date form received by agency: 12/31/2009

Facility name: WAL-MART SUPERCENTER #3388

Classification: Small Quantity Generator

Date form received by agency: 09/01/2008

Facility name: WAL-MART SUPERCENTER #3388

Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/12/2005

Facility name: WAL-MART SUPERCENTER #3388

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.

Waste code: D002

Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003

Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D004

Waste name: ARSENIC

Waste code: D005

Waste name: BARIUM

Waste code: D006

Waste name: CADMIUM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER #3388 (Continued)

1008372521

Waste code:	D007
Waste name:	CHROMIUM
Waste code:	D008
Waste name:	LEAD
Waste code:	D009
Waste name:	MERCURY
Waste code:	D010
Waste name:	SELENIUM
Waste code:	D011
Waste name:	SILVER
Waste code:	D016
Waste name:	2,4-D
Waste code:	D018
Waste name:	BENZENE
Waste code:	D022
Waste name:	CHLOROFORM
Waste code:	D024
Waste name:	M-CRESOL
Waste code:	D026
Waste name:	CRESOL
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Waste code:	D039
Waste name:	TETRACHLOROETHYLENE
Waste code:	P001
Waste name:	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Waste code:	P046
Waste name:	BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-
Waste code:	P075
Waste name:	NICOTINE, & SALTS
Waste code:	U002
Waste name:	ACETONE (I)
Waste code:	U034
Waste name:	ACETALDEHYDE, TRICHLORO-
Waste code:	U035
Waste name:	BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER #3388 (Continued)

1008372521

Waste code:	U058
Waste name:	CYCLOPHOSPHAMIDE
Waste code:	U072
Waste name:	BENZENE, 1,4-DICHLORO-
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Waste code:	U082
Waste name:	2,6-DICHLOROPHENOL
Waste code:	U088
Waste name:	1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER
Waste code:	U122
Waste name:	FORMALDEHYDE
Waste code:	U129
Waste name:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-
Waste code:	U132
Waste name:	HEXACHLOROPHENE
Waste code:	U150
Waste name:	MELPHALAN
Waste code:	U154
Waste name:	METHANOL (I)
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Waste code:	U165
Waste name:	NAPHTHALENE
Waste code:	U182
Waste name:	PARALDEHYDE
Waste code:	U188
Waste name:	PHENOL
Waste code:	U200
Waste name:	RESERPINE
Waste code:	U205
Waste name:	SELENIUM SULFIDE
Waste code:	U249
Waste name:	ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS
Waste code:	U279
Waste name:	CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE
Waste code:	U409
Waste name:	CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAL-MART SUPERCENTER #3388 (Continued)

1008372521

ESTER (OR) THIOPHANATE-METHYL

Waste code: U411
Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR
Violation Status: No violations found

2
WNW
1/8-1/4
0.161 mi.
848 ft.

MURPHY USA #7221
1410 LAWRENCEVILLE HWY
LAWRENCEVILLE, GA 30044

UST U004022746
FINANCIAL ASSURANCE N/A

Relative:
Higher

Facility:
Facility Id: 10000888
Facility Status: Active
Facility Type: Gas Station
District: PIRT 2
Contact Id: 423
Owner Name: MURPHY OIL USA INC
Owner Address: 200 PEACH ST
Owner City: EL DORADO
Owner State: AR
Owner Zip: 71730
Owner City,St,Zip: EL DORADO, AR 71730
Owner Telephone: 870-862-6411

Actual:
963 ft.

Tanks:

Facility ID: 10000888
Tank ID: 1
Status Date: 04/07/2005
Status: Currently In Use
Product1: Gas
Material: Fiberglass Double Walled
Capacity: 20000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No
Date Spill Device Installed: 04/14/2005

Facility ID: 10000888
Tank ID: 1
Status Date: 04/07/2005
Status: Installed
Product1: Gas
Material: Fiberglass Double Walled
Capacity: 20000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No
Date Spill Device Installed: 04/14/2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MURPHY USA #7221 (Continued)

U004022746

Facility ID: 10000888
Tank ID: 2A
Status Date: 04/07/2005
Status: Currently In Use
Product1: Diesel
Material: Fiberglass Double Walled
Capacity: 12000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No
Date Spill Device Installed: 04/14/2005

Facility ID: 10000888
Tank ID: 2A
Status Date: 04/07/2005
Status: Installed
Product1: Diesel
Material: Fiberglass Double Walled
Capacity: 12000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No
Date Spill Device Installed: 04/14/2005

Facility ID: 10000888
Tank ID: 2B
Status Date: 04/07/2005
Status: Currently In Use
Product1: Gas
Material: Fiberglass Double Walled
Capacity: 8000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No
Date Spill Device Installed: 04/14/2005

Facility ID: 10000888
Tank ID: 2B
Status Date: 04/07/2005
Status: Installed
Product1: Gas
Material: Fiberglass Double Walled
Capacity: 8000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 04/14/2005
Tank Exempt From Spill: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MURPHY USA #7221 (Continued)

U004022746

Date Spill Device Installed: 04/14/2005

GA FINANCIAL ASSURANCE:

Region: 1
Facility ID: 10000888
Financial Responsibility: Self Insured

A3
ENE
1/8-1/4
0.198 mi.
1044 ft.

BIG H FOOD STORE #101
1184 HWY 29 S
LAWRENCEVILLE, GA 30045

UST 1000506477
FINANCIAL ASSURANCE N/A

Site 1 of 3 in cluster A

Relative:
Higher

Facility:
Facility Id: 9067058
Facility Status: Active
Facility Type: Gas Station
District: PIRT 2
Contact Id: 7548
Owner Name: SUNG KOO SIM
Owner Address: 2221 SOARING LN
Owner City: LAWRENCEVILLE
Owner State: GA
Owner Zip: 30044
Owner City,St,Zip: LAWRENCEVILLE, GA 30044
Owner Telephone: 678-525-0217

Actual:
1008 ft.

Tanks:

Facility ID: 9067058
Tank ID: 1
Status Date: 01/01/1987
Status: Currently In Use
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 1
Status Date: 01/01/1987
Status: Installed
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG H FOOD STORE #101 (Continued)

1000506477

Facility ID: 9067058
Tank ID: 1
Status Date: 09/01/1999
Status: Upgrade Repair Not Marked
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 2
Status Date: 01/01/1987
Status: Currently In Use
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 2
Status Date: 01/01/1987
Status: Installed
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 2
Status Date: 09/01/1999
Status: Upgrade Repair Not Marked
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG H FOOD STORE #101 (Continued)

1000506477

Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 3
Status Date: 01/01/1987
Status: Currently In Use
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 3
Status Date: 01/01/1987
Status: Installed
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 3
Status Date: 09/01/1999
Status: Upgrade Repair Not Marked
Product1: Gas
Material: Steel-Galvanic
Capacity: 10000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 4
Status Date: 01/01/1987
Status: Currently In Use
Product1: Diesel
Material: Steel-Galvanic
Capacity: 8000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG H FOOD STORE #101 (Continued)

1000506477

Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 01/01/1998

Facility ID: 9067058
Tank ID: 4
Status Date: 01/01/1987
Status: Installed
Product1: Diesel
Material: Steel-Galvanic
Capacity: 8000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 01/01/1998

Facility ID: 9067058
Tank ID: 4
Status Date: 09/01/1999
Status: Upgrade Repair Not Marked
Product1: Diesel
Material: Steel-Galvanic
Capacity: 8000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 01/01/1998

Facility ID: 9067058
Tank ID: 5
Status Date: 01/01/1987
Status: Currently In Use
Product1: Kerosene
Material: Steel-Galvanic
Capacity: 4000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 5
Status Date: 01/01/1987
Status: Installed
Product1: Kerosene
Material: Steel-Galvanic

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BIG H FOOD STORE #101 (Continued)

1000506477

Capacity: 4000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 5
Status Date: 09/03/2009
Status: Temporarily Out Of Use
Product1: Kerosene
Material: Steel-Galvanic
Capacity: 4000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

Facility ID: 9067058
Tank ID: 5
Status Date: 03/03/1999
Status: Upgrade Repair Not Marked
Product1: Kerosene
Material: Steel-Galvanic
Capacity: 4000
Pipe Material: Fiberglass Reinforced Plastic
Pipe Type: Pressure
Overfill Protection: Not reported
Overfill Installed: 10/01/1998
Tank Exempt From Spill: Not reported
Date Spill Device Installed: 10/01/1998

GA FINANCIAL ASSURANCE:

Region: 1
Facility ID: 9067058
Financial Responsibility: G.U.S.T. Trust Fund

A4
ENE
1/8-1/4
0.199 mi.
1053 ft.

BIG H FOOD STORE (2ND RACK)
1184 HIGHWAY 29
LAWRENCEVILLE, GA 30245

Site 2 of 3 in cluster A

AST A100331515
N/A

Relative:
Higher

AST:
Owner Name: Gas, Inc.
Owner Address: 321 East Pike St
Owner City/State/Zip: Lawrenceville GA 30245
Number Of Tanks: 18
Tank Capacity: 0

Actual:
1008 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5 **INGLES GAS EXPRESS #102**
ENE **1154 LAWRENCEVILLE HWY**
1/4-1/2 **LAWRENCEVILLE, GA 30045**
0.283 mi.
1495 ft. **Site 3 of 3 in cluster A**

UST **U003920864**
FINANCIAL ASSURANCE **N/A**

Relative:
Higher

Facility:
Facility Id: 10000310
Facility Status: Active
Facility Type: Gas Station
District: PIRT 2
Contact Id: 51130
Owner Name: INGLES MARKETS INC
Owner Address: PO BOX 6676
Owner City: ASHEVILLE
Owner State: NC
Owner Zip: 28816
Owner City,St,Zip: ASHEVILLE, NC 28816
Owner Telephone: 828-669-2941

Actual:
1006 ft.

Tanks:

Facility ID: 10000310
Tank ID: 1
Status Date: 06/25/2002
Status: Currently In Use
Product1: Gas
Material: Fiberglass
Capacity: 20000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 06/21/2002
Tank Exempt From Spill: No
Date Spill Device Installed: 06/21/2002

Facility ID: 10000310
Tank ID: 1
Status Date: 06/25/2002
Status: Installed
Product1: Gas
Material: Fiberglass
Capacity: 20000
Pipe Material: Fiberglass/Double Walled
Pipe Type: Pressure
Overfill Protection: No
Overfill Installed: 06/21/2002
Tank Exempt From Spill: No
Date Spill Device Installed: 06/21/2002

Facility ID: 10000310
Tank ID: 1B
Status Date: 06/25/2002
Status: Currently In Use
Product1: Gas
Material: Fiberglass
Capacity: 12000
Pipe Material: Fiberglass/Double Walled

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

INGLES GAS EXPRESS #102 (Continued)

U003920864

Pipe Type: Pressure
 Overfill Protection: No
 Overfill Installed: 06/21/2002
 Tank Exempt From Spill: No
 Date Spill Device Installed: 06/21/2002

Facility ID: 10000310
 Tank ID: 1B
 Status Date: 06/25/2002
Status: Installed
 Product1: Gas
 Material: Fiberglass
 Capacity: 12000
 Pipe Material: Fiberglass/Double Walled
 Pipe Type: Pressure
 Overfill Protection: No
 Overfill Installed: 06/21/2002
 Tank Exempt From Spill: No
 Date Spill Device Installed: 06/21/2002

GA FINANCIAL ASSURANCE:

Region: 1
 Facility ID: 10000310
 Financial Responsibility: Insurance

6
WSW
1/4-1/2
0.311 mi.
1643 ft.

GOOD CENT CLEANERS
65 LAWRENCEVILLE SUWANEE RD
LAWRENCEVILLE, GA 30044

DRYCLEANERS S109505690
N/A

Relative:
Higher

DRYCLN:

Actual:
961 ft.

County Code: 135
 Contact Name: Paul Noh
 Phone Number: 678-376-53
 Contact Name: Paul Noh
 MSA code: 520
 MSA desc: ATLANTA, GA
 CBSA code: 12060
 CBSA descr: ATLANTA SPGS, GA
 Metro Micro Indicator: 2
 CSA code: 122
 Csa descr: ATLANTA-SANDY SPRINGS-GAINESVILLE, GA-AL
 Census tract: 50516
 Census block group: 2
 Latitude: 33.935429999999997
 Longitude: -84.028647000000007
 Match level code: 0
 Secondary address: 65 Lawrenceville Suwanee Rd
 Secondary city: Lawrenceville
 Secondary state: GA
 Secondary zip10: 30044-4629
 Secondary carrier route code: R088
 Fax number: Not reported
 Toll free number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOOD CENT CLEANERS (Continued)

S109505690

Web site: Not reported
Selected SIC code: 721201
Selected SIC desc: Cleaners
Primary SIC code: 721201
Primary SIC desc: Cleaners
NAICS code: 81232002
NAICS desc: Drycleaning & Laundry Svcs
Location employment size code: A
Location employment size desc: 4-Jan
Actual location employment size: 2
Modeled employment size: C
Location sales volume code: A
Location sales volume desc: Less Than \$500,000
Actual location sales volume: 120
Corporate sales volume code: Not reported
Corporate sales volume desc: Not reported
Actual corporate sales volume: Not reported
Asset size: S
Name: Mr Paul Noh
Title: Manager
Ethnicity code: Korean
Infousa id: 375438017
Site Number: 375438017
HQ branch code: 9
HQ branch desc: Single Loc
Public company indicator code: 0
Public filing indicator: N
Individual firm code: 2
Individual firm desc: Firm/Business
Year SIC added: 200511
Year first appeared in yellow pages: 2005
Yellow page code: 18306
Transaction date: 200511
Call status code: A
Call status desc: No Answer (3 Attempts)
Credit score code: C
Credit score desc: 70 to 74
Actual credit score: 72
Ad size code: Regular
Population code: 1
Population desc: Less Than 25,000
Square footage code: A
Square footage desc: 0 - 2,499
Radial distance from target element: .
Actnumbus multitenant location: 9-May
Building num multi tenant: 2215533
Number of pcs code: 0 - 1 PCs
Affluent neighborhood location: N
Big business: N
Female owner exec: N
Highincomeexec: N
Hightechbusiness: N
Medium size business entrepreneur: N
Small business entrepreneur: N
Tertiary address: Not reported
Tertiary city: Not reported
Tertiary state: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GOOD CENT CLEANERS (Continued)

S109505690

Tertiary zip10:	Not reported
White collar percentage:	29
White collar indicator:	0
Production date:	20081202
Obsolescence date:	6/2/2009
Source:	infoUSA
Bookno:	14720

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DACULA	A100331632	BIG H. CHEVRON #92	3595 HIGHWAY 124	30046	AST
LAWRENCEVILLE	A100331534	SHELL FOOD MART	738 HIGHWAY 120	30245	AST
LAWRENCEVILLE	A100331559	MAJIK MARKET	2087 HIGHWAY 20 & CAMP PERRIN	30245	AST
LAWRENCEVILLE	1006774797	TANNER ESTATE	HWY 20 & HWY 124	30245	LUST, UST, FINANCIAL ASSURANCE
LAWRENCEVILLE	A100331397	GK STORES, INC.	950 HIGHWAY 20 SOUTH	30245	AST
LAWRENCEVILLE	1004686186	CIRCLE K #1127	854 HWY 20	30245	RCRA-NonGen, FINDS
LAWRENCEVILLE	A100331575	BIG H FOODS	526 HIGHWAY 29	30245	AST
LAWRENCEVILLE	A100331557	SPEEDWAY #383	1850 HWY 29	30245	AST
LAWRENCEVILLE	1004686796	BIG H FOOD STORE	1184 HIGHWAY 29	30245	RCRA-CESQG, FINDS
LAWRENCEVILLE	A100331386	B & C TRUE VALUE HARDWARE	2389 HIGHWAY 29	30245	AST
LAWRENCEVILLE	S107667640	RESIDENTIAL BUILDERS, INC. INERT L	2672 AMBERLY GLEN DRIVE LOT 3A		SWF/LF
LAWRENCEVILLE	S107667636	RESIDENTIAL BUILDERS, INC. INERT L	2015 AMBERLY GLEN WAY LOT 6A		SWF/LF
LAWRENCEVILLE	S107667638	RESIDENTIAL BUILDERS, INC. INERT L	2652 AMBERLY GLEN DRIVE LOT 5A		SWF/LF
LAWRENCEVILLE	S109822483	BUTTON GWINNETT LANDFILL	ARNOLD ROAD OFF HWY 29	30245	SHWS
LAWRENCEVILLE	S107751273	MATTHEWS/DYKES LLC	BOULDERCREST CIRCLE	30245	AIRS
LAWRENCEVILLE	S107752357	VULCAN MATERIALS CO.	BOX 1608 BOYS ESTATE	30245	AIRS
LAWRENCEVILLE	S107666059	COOPER KEY HOMES, INC. INERT LANDF	51-B BROOKFOREST 857 ROCKFOUNT		SWF/LF
LAWRENCEVILLE	S107666057	COOPER KEY HOMES, INC. INERT LANDF	114-A BROOKFOREST 777 ROCKFOUN		SWF/LF
LAWRENCEVILLE	S107666066	COPPER KEY HOMES, INC. INERT LANDF	58-B BROOKFOREST 2727 SPRINGFO		SWF/LF
LAWRENCEVILLE	S107666061	COOPER KEY HOMES, INC. INERT LANDF	55-B BROOKFOREST 2757 SPRINGFO		SWF/LF
LAWRENCEVILLE	S107666060	COOPER KEY HOMES, INC. INERT LANDF	54-B BROOKFOREST 2767 SPRINGFO		SWF/LF
LAWRENCEVILLE	S107666058	COOPER KEY HOMES, INC. INERT LANDF	49-B BROOKFOREST, 842 ROCKFOUN		SWF/LF
LAWRENCEVILLE	S107666062	COOPER KEY HOMES, INC. INERT LANDF	59-B BROOKFOREST, 2732 SPRING		SWF/LF
LAWRENCEVILLE	U003936315	F A SIMS OIL CO/BULK PLANT	BUCHANAN ST	30245	UST, FINANCIAL ASSURANCE
LAWRENCEVILLE	1006792321	F A SIMS OIL CO/BULK PLANT	BUCHANAN ST	30245	FINDS, LUST
LAWRENCEVILLE	S107667715	RYLAND HOMES INERT LANDFILL	CARLYSLE S/D, LOT 123, BLOCK A		SWF/LF
LAWRENCEVILLE	1004688456	WAL-MART STORE #548	455 CLAYTON ST S	30245	RCRA-NonGen, FINDS
LAWRENCEVILLE	S109822930	GWINNETT CO BEAVER/SWEETWATER	3530 CURSE RD	30245	NPDES
LAWRENCEVILLE	A100331596	S & D FOOD & GAS	846 DAVIS MILL ROAD	30245	AST
LAWRENCEVILLE	A100331560	HOP-N-STOP, INC.	604 DULUTH HIGHWAY	30245	AST
LAWRENCEVILLE	S110591180	EXXON FOOD MART	1488 DULUTH HWY/ GA HWY 120	30043	LUST
LAWRENCEVILLE	S107667722	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 51A 3025 DUNLIN		SWF/LF
LAWRENCEVILLE	S107667721	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 38 , 3080 DUNLI		SWF/LF
LAWRENCEVILLE	S107667723	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 53A 3005 DUNLIN		SWF/LF
LAWRENCEVILLE	S107667720	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 37A, 3070 DUNLI		SWF/LF
LAWRENCEVILLE	S107667719	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 35 , 3050 DUNLI		SWF/LF
LAWRENCEVILLE	S107667718	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 29B 3084 DUNLIN		SWF/LF
LAWRENCEVILLE	S107667717	RYLAND HOMES INERT LANDFILL	DUNLIN S/D LOT 28B 3074 DUNLIN		SWF/LF
LAWRENCEVILLE	S107666933	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 2G 2615 LOCK		SWF/LF
LAWRENCEVILLE	S107666934	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 32K 540 WOOD		SWF/LF
LAWRENCEVILLE	S107666937	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 60L 560 WHIT		SWF/LF
LAWRENCEVILLE	S107666931	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 21N, 370 SIL		SWF/LF
LAWRENCEVILLE	S107666932	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 28L, 539 MIS		SWF/LF

ORPHAN SUMMARY

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LAWRENCEVILLE	S107666930	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 20N, 380 SIL		SWF/LF
LAWRENCEVILLE	S107666925	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 15E 2612 EDG		SWF/LF
LAWRENCEVILLE	S107666928	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 16N, 420 SIL		SWF/LF
LAWRENCEVILLE	S107666921	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 11E 2560 LOC		SWF/LF
LAWRENCEVILLE	S107667210	JOHN WIELAND HOMES, INC. INERT LAND	EDGEWATER S/D LOT 31K, 550 WOO		SWF/LF
LAWRENCEVILLE	S107667209	JOHN WIELAND HOMES, INC. INERT LAND	EDGEWATER S/D LOT 12L, 550 WOO		SWF/LF
LAWRENCEVILLE	S108895650	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 14N 440 SILV		SWF/LF
LAWRENCEVILLE	S108895672	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 15N, 430 SIL		SWF/LF
LAWRENCEVILLE	S108895674	JOHN WIELAND HOMES, INC. INERT LAN	EDGEWATER S/D LOT 20 L 2550 HI		SWF/LF
LAWRENCEVILLE	S107666838	JOHN WIELAND HOMES, INC.	EDGEWATER S/D LOT 25L 2545 HID		SWF/LF
LAWRENCEVILLE	S107667446	MEADOW TRACE, INC.	FAIRFIELD OAKS S/D, UNIT 5		SWF/LF
LAWRENCEVILLE	A100331368	FERRELLGAS, INC. (CLOSED)	FIVE FORKS & TRICKUM RD.	30245	AST
LAWRENCEVILLE	S107666660	JDB INVESTORS, INC. INERT LANDFILL	FOSTER TRACE DRIVE		SWF/LF
LAWRENCEVILLE	S107667389	LOT 95A APALACHEE RIVER CLUB S/D	GWINNET COUNTY		SWF/LF
LAWRENCEVILLE	S107667316	LOT 121 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667317	LOT 122 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667315	LOT 120A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667329	LOT 149 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667321	LOT 129A APALACHEE RIVER CLUB S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667326	LOT 134 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667328	LOT 147 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667333	LOT 20 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667332	LOT 1B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667334	LOT 21 CANTERBURY WOODS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667337	LOT 38A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667336	LOT 25A APALACHEE RIVER CLUB S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667339	LOT 3B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667338	LOT 39A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667340	LOT 4B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667359	LOT 5B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667387	LOT 87A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667392	LOT HF88A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667391	LOT HF6B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667390	LOT 9B HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667379	LOT 63A APALACHEE RIVER CLUB S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667381	LOT 67A APALACHEE RIVER CLUB S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667384	LOT 84A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667386	LOT 86B MCKENDREE PARK S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107667385	LOT 86A HUNTINGTON FALLS S/D	GWINNETT COUNTY		SWF/LF
LAWRENCEVILLE	S107665839	BRENTWOOD HOMES, INC. INERT LANDFI	HAMPTON PLACE S/D LOT 71 3025		SWF/LF
LAWRENCEVILLE	1006777633	GWINNETT COUNTY POLICE DEPARTMEN	HI HOPE RD	30245	LUST, UST, FINANCIAL ASSURANCE
LAWRENCEVILLE	S107751390	MR. MARBLE INC	188 IND PARK CIRCLE	30245	AIRS
LAWRENCEVILLE	S107666152	DOUG WOOLRIDGE INERT LANDFILL	88-B LANSDOWNE		SWF/LF
LAWRENCEVILLE	S107666151	DOUG WOOLRIDGE INERT LANDFILL	84-B LANSDOWNE		SWF/LF
LAWRENCEVILLE	S107666539	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 32A MCKENDREE PARK, 1365 B		SWF/LF
LAWRENCEVILLE	S107666531	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 115, APALACHEE RIVER CLUB,		SWF/LF
LAWRENCEVILLE	S107666530	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 114 APALACHEE RIVER CLUB,		SWF/LF

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LAWRENCEVILLE	S107666549	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 63B MCKENDREE PARK, 1143 H		SWF/LF
LAWRENCEVILLE	S107666548	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 62B MCKENDREE PARK, 1133 H		SWF/LF
LAWRENCEVILLE	S107666545	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 51B MCKENDREE PARK, 1093 H		SWF/LF
LAWRENCEVILLE	S107666547	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 61B MCKENDREE PARK, 1123 H		SWF/LF
LAWRENCEVILLE	S107666546	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 52B MCKENDREE PARK 1103 HO		SWF/LF
LAWRENCEVILLE	S107666540	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 43A MCKENDREE PARK, 1799 C		SWF/LF
LAWRENCEVILLE	S107666542	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 46B MCKENDREE PARK, 1070 M		SWF/LF
LAWRENCEVILLE	S107666557	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 87B MCKENDREE PARK, 1718 C		SWF/LF
LAWRENCEVILLE	S107666553	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 82B MCKENDREE PARK, 1052 H		SWF/LF
LAWRENCEVILLE	S107666552	HEDGEWOOD PROPERTIES INERT LANDFIL	LOT 77B MCKENDREE PARK, 1421 H		SWF/LF
LAWRENCEVILLE	S107667761	RYLAND HOMES INERT LANDFILL LOT 99	LOT 99A 3132 DUNLIN WAY, DUNLI		SWF/LF
LAWRENCEVILLE	S107667762	RYLAND HOMES INERT LANDFILL LOT 9B	LOT 9B, 4050 BERKLEY VIEW DR.		SWF/LF
LAWRENCEVILLE	S107667760	RYLAND HOMES INERT LANDFILL LOT 98	LOT 98A 3122 DUNLIN WAY, DUNLI		SWF/LF
LAWRENCEVILLE	S107667756	RYLAND HOMES INERT LANDFILL LOT 93	LOT 93, 4055 BERKLEY VIEW DR.		SWF/LF
LAWRENCEVILLE	S107667749	RYLAND HOMES INERT LANDFILL LOT 41	LOT 41A 3410 DUCKPOND TRACE, M		SWF/LF
LAWRENCEVILLE	S107667943	TRATON CORP. OF GWINNETT INERT LAN	LOT 24 UNIT THREE SEVER WOODS		SWF/LF
LAWRENCEVILLE	S107667946	TRATON CORP. OF GWINNETT INERT LAN	LOT 25A 1292 FOREST GLADE TRAC		SWF/LF
LAWRENCEVILLE	S107751209	MANEUROP INC	MCLEOD DRIVE	30245	AIRS
LAWRENCEVILLE	A100331432	HOME DEPOT WAREHOUSE	625 OLD NORCROSS ROAD CLOSED	30245	AST
LAWRENCEVILLE	U001479638	FERGUSON FUEL & FOOD CENTRE #6	2509 OLD PEACHTREE RD	30245	LUST, UST, FINANCIAL ASSURANCE
LAWRENCEVILLE	S107752383	WALTON EMC/CREWS	1000 OLD SNELLVILLE R	30245	AIRS
LAWRENCEVILLE	1003869166	PAPER MILL ROAD ABANDONED DRUM	PAPER MILL RD & HWY 29 N	30245	CERC-NFRAP
LAWRENCEVILLE	1004686351	HAYES CHRYSLER PLYMOUTH DODGE	719 PIKE ST	30245	RCRA-CESQG, FINDS
LAWRENCEVILLE	S107666659	JAY BULLOCK - BUILDER, INC.	POST OFFICE BOX 2105		SWF/LF
LAWRENCEVILLE	A100331442	FIRESTONE BUILDING PRODUCT	1725 PROGRESS IND. BLVD.	30245	AST
LAWRENCEVILLE	S107666067	COPPER KEY HOMES, INC. INERT LANDF	7-A RIVERSHYRE SUB. 1234 RIVER		SWF/LF
LAWRENCEVILLE	S107667108	JOHN WIELAND HOMES, INC. INERT LAN	SARATOGA S/D LOT 31-I MERRITT		SWF/LF
LAWRENCEVILLE	S107667107	JOHN WIELAND HOMES, INC. INERT LAN	SARATOGA S/D LOT 30-I MERRITT		SWF/LF
LAWRENCEVILLE	S107667105	JOHN WIELAND HOMES, INC. INERT LAN	SARATOGA S/D LOT 16-G MERRITT		SWF/LF
LAWRENCEVILLE	S108310791	JOHN WIELAND HOMES, INC. INERT LAN	SARATOGA S/D LOT 6-I KINDERHIL		SWF/LF
LAWRENCEVILLE	S108310790	JOHN WIELAND HOMES, INC. INERT LAN	SARATOGA S/D LOT 4-I KINDERHIL		SWF/LF
LAWRENCEVILLE	S107751411	NATIONAL CEMENT CO	SEABOARD IND DR	30245	AIRS
LAWRENCEVILLE	S107667953	TRATON CORP. OF GWINNETT INERT LAN	SEVER WOODS S/D, LOT 18-A, 149		SWF/LF
LAWRENCEVILLE	1009631048	LAWRENCEVILLE, CITY OF	390 TWIN BROOKS WAY	30245	DOT OPS
LAWRENCEVILLE	S107751131	LECO CORP	832 WINER IND. WAY	30245	AIRS
LAWRENCEVILLE	S107666865	JOHN WIELAND HOMES, INC. INERT LAN	2510 WOOD BROOK CT. - EDGEWATE		SWF/LF
LILBURN	A100331626	AMOCO C. STORE	5474 HIGHWAY 29	30245	AST

EDR ZIP Code Scan Report

ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
** - Indicates location may or may not be in requested radius. Site has not been assigned a latitude/longitude coordinate. Further review recommended.								
30044	2009051228				**	LAWRENCEVILLE	GA	HMIRS
30044	1009734462	110026417777	BENEFIELD SCHOOL		**	LUXOMNI	GA	FINDS
30044	1006778133	110013474640	CHEVRON FOOD MART #383	1850 HWY 29 SOUTH		LAWRENCEVILLE	GA	FINDS
30044	U001491755	9067118	CHEVRON FOOD MART	1850 HWY 29 SOUTH		LAWRENCEVILLE	GA	LUST, UST
30044	1000823081	110007497565	KITTERMANS COLLISION CENTER	2466 HWY 29		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1014696262	110043432381	ABRA AUTO BODY & GLASS - LAWRENCE	2590 HIGHWAY 29		LAWRENCEVILLE	GA	FINDS
30044	A100331639		BIG H FOOD STORE #85	2700 HIGHWAY 29		LAWRENCEVILLE	GA	AST
30044	1006791868	110013613090	PHILLIPS 66 #303	3046 HWY 29 SUITE 1		LAWRENCEVILLE	GA	FINDS
30044	U003006339	9067247	PHILLIPS 66 #303	3046 HWY 29 SUITE 1		LAWRENCEVILLE	GA	UST
30044	1000241054	110007490303	BETHESDA CROSSING CLEANER	3046-E HWY 29 SOUTH		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1006777343	110013466490	SHELL FOOD MART/GOLDEN GALLON #8	3880 HWY 29 & LESTER RD	**	LAWRENCEVILLE	GA	FINDS, LUST
30044	U001479892	670466	SHELL FOOD MART/GOLDEN GALLON #8	3880 HWY 29 & LESTER RD		LAWRENCEVILLE	GA	UST
30044	1005523340	110007083253	BUTTON GWINNETT LANDF	70 ARNOLD RD.		LAWRENCEVILLE	GA	FINDS
30044	1008315785	110022086491	BETHESDA ELEMENTARY SCHOOL	525 BETHESDA SCHOOL ROAD		LAWRENCEVILLE	GA	FINDS
30044	1006792248	110013616916	TEXACO FOOD MART	2815 CLUB DRIVE		LAWRENCEVILLE	GA	FINDS
30044	U003763410	9067378	TEXACO FOOD MART	2815 CLUB DRIVE		LAWRENCEVILLE	GA	UST
30044	1006777956	110013472857	DELMAR GARDENS OF GWINNETT	3100 CLUB DRIVE		LAWRENCEVILLE	GA	FINDS
30044	1006791766	110013612064	JAD INC	3522 CLUB DR		LAWRENCEVILLE	GA	FINDS
30044	U003158213	9067277	QUICK MART	3522 CLUB DR		LAWRENCEVILLE	GA	UST
30044	1006791752	110013611920	FIRE STATION #20	1801 CRUSE RD		LAWRENCEVILLE	GA	FINDS
30044	1006777202	110013465071	V & V CONVENIENCE	2490 CRUSE RD		LAWRENCEVILLE	GA	FINDS
30044	1006792062	110013615043	CRUSE AMOCO	2585 CRUSE ROAD		LAWRENCEVILLE	GA	FINDS
30044	U003296180	9067313	EXXON FOOD MART	2585 CRUSE ROAD		LAWRENCEVILLE	GA	NON HSI, UST
30044	1000208755	110007489093	VIASAT INC	3451 CRUSE RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1006166771	110007090469	SCIENTIFIC-ATLANTA	3451 CRUSE RD.		LAWRENCEVILLE	GA	AIRS, FINDS
30044	1008315786	110022086507	SWEETWATER MIDDLE SCHOOL	3500 CRUSE ROAD		LAWRENCEVILLE	GA	FINDS
30044	1006777629	110013469415	GWINNETT CO BEAVER/SWEETWATER	3530 CRUSE RD		LAWRENCEVILLE	GA	FINDS
30044	1012261691	110039690448	GWINNETT CO BEAVER/SWEETWATER	3530 CURSE RD	**	LAWRENCEVILLE	GA	FINDS
30044	1007218520	110016740945	ONE STOP CLEANER	850 DOGWOOD RD STE A-100		LAWRENCEVILLE	GA	FINDS
30044	A100331412		ACE HARDWARE	880 DOGWOOD ROAD		LAWRENCEVILLE	GA	AST
30044	1014696093	110042336380	RICHMOND ON THE FAIRWAYS	3368 FAIRWAY OAKS DRIVE		LAWRENCEVILLE	GA	FINDS
30044	1004688693	110012242340	GWINNETT CO DEPT FIRE SVCS	1890 FIVE FORKS TRICKUM RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1006790839	110013602681	FIVE FORK CHEVRON INC	2948 FIVE FORKS-TRICKUM RD		LAWRENCEVILLE	GA	FINDS, UST
30044	1006772570	110013418514	STOP N GO MARKET #1058	2989 FIVE FORKS-TRICKUM RD		LAWRENCEVILLE	GA	FINDS, LUST, UST
30044	1008280330	110036786680	GWIN OAKS ELEMENTARY SCHOOL	400 GWIN OAKS DR		LAWRENCEVILLE	GA	FINDS
30044	2008911543		3121 HAMILTON ROAD	3121 HAMILTON ROAD		LAWRENCEVILLE	GA	ERNS
30044	2009911543		3121 HAMILTON ROAD	3121 HAMILTON ROAD		LAWRENCEVILLE	GA	ERNS
30044	1008315338	110036814800	KANOHEDA ELEMENTARY SCHOOL	1025 HERRINGTON RD		LAWRENCEVILLE	GA	FINDS
30044	1006778081	110013474123	BP SITE 01342	1555 US HWY 29		LAWRENCEVILLE	GA	FINDS
30044	1006791040	110013604732	TEXACO PIT STOP	2411 US HWY 29		LAWRENCEVILLE	GA	FINDS
30044	1006789180	110013585968	SUPERSTOP	2429 US HWY 29 SUITE D		LAWRENCEVILLE	GA	FINDS, LUST, UST
30044	U003728401	9067344	BIG H FOOD STORE #85	2700 US HWY 29		LAWRENCEVILLE	GA	UST
30044	1006792391	110013618353	BIG H FOOD STORE #85	2700 US HWY 29		LAWRENCEVILLE	GA	FINDS
30044	1004688609	110012243946	QUIKTRIP #790	3747 US HWY 29		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30044	1008217901	110022308876	WAL-MART SUPERCENTER #3388	1400 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS
30044	1008372521	GAR000040816	WAL-MART SUPERCENTER #3388	1400 LAWRENCEVILLE HWY	1, WNW, 1/8 - 1/4	LAWRENCEVILLE	GA	RCRAInfo-SQG
30044	U004022746	10000888	MURPHY USA #7221	1410 LAWRENCEVILLE HWY	2, WNW, 1/4 - 1/2	LAWRENCEVILLE	GA	UST
30044	A100331420		READY RENT ALL, INC. (CLOSED)	1886 LAWRENCEVILLE HIGHWAY		LAWRENCEVILLE	GA	AST
30044	1006777977	110013473062	CONOCO	2339 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS, UST
30044	1006771869	110013411450	CITGO FOOD MART	2346 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS, LUST, UST
30044	1000507121	110007495228	S & R AUTO CARE TRANSMISSION	2458 LAWRENCEVILLE HWY S		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1011462176	110036047328	J. A. ALFORD ELEMENTARY	2625 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS
30044	1000507016	110007495013	MURPHY OIL USA INC	3125 LAWRENCEVILLE		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1006789406	110013588260	PETROL USA LLC #821	3125 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS, LUST, UST
30044	1007453397	110017743726	LAWRENCEVILLE HWY FS #25	3575 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS, UST
30044	1006792207	110013616505	QUIKTRIP #790	3747 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS
30044	U003763420	9067389	QUIKTRIP #790	3747 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	LUST, UST
30044	A100331617		AMOCO FOOD MART	3875 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	AST
30044	1006790892	110013603216	PREM KAUSHAL	3875 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS, LUST, UST
30044	1000359095	110007489155	AMERICAN AMALGAMATED-EXECUTIVE C	3880 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1004461264	110007089952	L. G. AUSTIN ENTERPRI	2663 MARCIA DR		LAWRENCEVILLE	GA	FINDS
30044	1008320923	110036789375	OAKLAND CENTER	950 MCELVANEY LN		LAWRENCEVILLE	GA	FINDS
30044	1008321382	110036749285	MAXWELL HIGH SCHOOL OF TECHNOLOC	990 MCELVANEY LN		LAWRENCEVILLE	GA	FINDS
30044	1008153844	110020500901	AUTUMN VIEW (RYLAND HOMES)	475 MUSICAL WAY		LAWRENCEVILLE	GA	FINDS
30044	1011583720		AUTUMN VIEW (RYLAND HOMES)	475 MUSICAL WAY LAWRENCEVILLE G/		LAWRENCEVILLE	GA	ICIS
30044	2001560211		851 OAK RD	851 OAK RD		LAWRENCEVILLE	GA	ERNS
30044	1000228550	110007488236	PROFESSIONAL CLEANERS	851 OAK RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	S110357849		AMERICAN CLEANERS	875 OAK ROAD, SUITE 110		LAWRENCEVILLE	GA	NON HSI
30044	1014351244	30044CSOSP11	CISCO SPVGT	1100 OAKLAND RD		LAWRENCEVILLE	GA	TRIS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
30044	1012177951	GAR000056176	CISCO SPVTG	1100 OAKLAND RD		LAWRENCEVILLE	GA	RCRA-CESQG
30044	S110693692		CISCO SPVTG	1100 OAKLAND ROAD		LAWRENCEVILLE	GA	NPDES
30044	1012091532	110038455631	CISCO SPVTG	1100 OAKLAND ROAD		LAWRENCEVILLE	GA	FINDS
30044	U003763412	09067381	CONWAY FREIGHT-NNC	1449 OAKLAND RD		LAWRENCEVILLE	GA	NPDES, LUST, SPILLS, UST
30044	2011009006		1449 OAKLAND RD	1449 OAKLAND RD		LAWRENCEVILLE	GA	HMIRS
30044	S108993525		CON-WAY FREIGHT-NNC	1449 OAKLAND ROAD		LAWRENCEVILLE	GA	TIER 2
30044	2009056391		1449 OAKLAND ROAD	1449 OAKLAND ROAD	**	LAWRENCEVILLE	GA	HMIRS
30044	2009056582		1449 OAKLAND ROAD	1449 OAKLAND ROAD	**	LAWRENCEVILLE	GA	HMIRS
30044	1006792267	110013617103	SHELL FOOD MART #939	901 OAKLAND RD		LAWRENCEVILLE	GA	FINDS, UST
30044	A100331648		CONOCO	901 OAKLAND ROAD		LAWRENCEVILLE	GA	AST
30044	1008321374	110036749123	ALTON C. CREWS MIDDLE SCHOOL	1000 OLD SNELLVILLE HWY		LAWRENCEVILLE	GA	FINDS
30044	1006166757	110007089881	WALTON EMC/CREWS	1000 OLD SNELLVILLE HWY		LAWRENCEVILLE	GA	FINDS
30044	1006777876	110013472045	TEXACO FOOD MART	2074 OLD NORCROSS RD		LAWRENCEVILLE	GA	NON HSI, FINDS, LUST, UST
30044	1006778033	110013473632	SANA GROUP INC	2505 OLD NORCROSS RD		LAWRENCEVILLE	GA	FINDS
30044	U003158220	9067284	SANA GROUP INC	2505 OLD NORCROSS RD		LAWRENCEVILLE	GA	DRYCLEANERS, UST
30044	A100331667		CITGO QUICK MART	2505 OLD NORCROSS ROAD		LAWRENCEVILLE	GA	AST
30044	1006771864	110013411405	RAIN FOREST CHEVRON	2520 OLD NORCROSS RD		LAWRENCEVILLE	GA	FINDS, UST
30044	1001218449	110005714888	AC TECH SOUTHEAST	84 PATTERSON RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1011462167	110036047239	CORLEY ELEMENTARY SCHOOL	1331 PLACEASANT HILL RD		LAWRENCEVILLE	GA	FINDS
30044	A100331416		U-HAUL	1290 PLEASANT HILL ROAD		LAWRENCEVILLE	GA	AST
30044	1006791137	09067076	CARNETTS CAR WASH INC	1382 PLEASANT HILL RD		LAWRENCEVILLE	GA	LUST, UST
30044	1006791660	110013611001	RACETRAC PETROLEUM INC #467	906 PLEASANT HILL RD		LAWRENCEVILLE	GA	FINDS
30044	1008280331	110021708696	FIVE FORKS MIDDLE SCHOOL	3250 RIVER DRIVE		LAWRENCEVILLE	GA	FINDS
30044	1001485069	110005717108	IER CORP INC	594 RIVER OAK LOOP		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	1008319513	110036814686	CRAIG ELEMENTARY SCHOOL	1075 ROCKY RD		LAWRENCEVILLE	GA	FINDS
30044	1008153847	110020500938	SCENIC OVERLOOK (RYLAND HOMES)	1341 SCENIC PINES DRIVE		LAWRENCEVILLE	GA	FINDS
30044	1000234400	110007492917	PADGETT BODY SHOP	270 SHANNON WAY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30044	U004117359		#158 SUGARLOAF PKWY	3405 SUGARLOAF PKWY		LAWRENCEVILLE	GA	UST
30044	1008320929	110022085027	RICHARDS MIDDLE SCHOOL	3555 SUGARLOAF PARKWAY		LAWRENCEVILLE	GA	FINDS
30044	1008278478	110036749016	CEDAR HILL ELEMENTARY SCHOOL	3615 SUGARLOAF PKWY		LAWRENCEVILLE	GA	FINDS
30044	1007453816	110017744057	SHELL QUICK MART	4785 SUGARLOAF PKWY		LAWRENCEVILLE	GA	FINDS
30044	1012077187	110042277826	THE SHOPPERS OF SUGARLOAF	4825 SUGARLOAF PKWY		LAWRENCEVILLE	GA	FINDS
30044	1012177876	GAR000054239	THE SHOPPERS OF SUGARLOAF	4825 SUGARLOAF PKWY		LAWRENCEVILLE	GA	RCRA-NonGen
30044	S109144881		CHOICE CLEANERS	4850 SUGARLOAF PARKWAY		LAWRENCEVILLE	GA	NON HSI
30044	S110591913		CISCO SPVTG	5030 SUGARLOAF PARKWAY		LAWRENCEVILLE	GA	TIER 2
30044	1014696092	110042336371	LAKE SWEETWATER APARTMENTS	3100 SWEETWATER ROAD		LAWRENCEVILLE	GA	FINDS
30044	1012177985	GAR000056531	THE DYNATO GROUP	4035 VICKSBURG DR		LAWRENCEVILLE	GA	RCRA-CESQG
30044	1012110429	110038903390	THE DYNATO GROUP	4035 VICKSBURG DR		LAWRENCEVILLE	GA	FINDS
30045	2006792933			WALNUT GROVE	**	LAWRENCEVILLE	AL	ERNS
30045	2009049175			LAWRENCEVILLE	**	LAWRENCEVILLE	GA	HMIRS
30045	1009719601	110026179506	LAWRENCEVILLE SCHOOL	LAWRENCEVILLE	**	LAWRENCEVILLE	GA	FINDS
30045	1009741074	110026517035	CENTRAL HIGH SCHOOL	LAWRENCEVILLE	**	LAWRENCEVILLE	GA	FINDS
30045	2000672909		RD .5 MILES EASTOF LAWERENCEVILLE	RD .5 MILES EASTOF LAWERENCEVILLE	**	LAWRENCEVILLE	GA	ERNS
30045	1000506477	9067058	BIG H FOOD STORE #101	1184 HWY 29 S	A, ENE, 1/8 - 1/4	LAWRENCEVILLE	GA	UST
30045	1011488485	GAR000052753	TARGET CORPORATION STORE #2431	13055 HWY 9 N	**	MILTON	GA	RCRAInfo-SQG
30045	1005415777	110012241289	JIMMY SMITH INC	699 AIRPORT RD		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	S110693992		GWINNETT COUNTY AIRPORT BRISCOE F	770 AIRPORT ROAD		LAWRENCEVILLE	GA	NPDES
30045	1001218431	110005714637	YRC INC	50 BOULDER BROOK CIR SE		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	S110694626		YRC INC (405)	50 BOULDER BROOK CIRCLE, SE	**	LAWRENCEVILLE	GA	NPDES
30045	S110693649		C.W. MATTHEWS PLANT #28 LAWRENCEV	135 BOULDERBROOK CIRCLE	**	LAWRENCEVILLE	GA	NPDES
30045	2009050500		50 BOULDERBROOK CIRCLE	50 BOULDERBROOK CIRCLE	**	LAWRENCEVILLE	GA	HMIRS
30045	2010100553		50 BOULDERBROOK CIRCLE	50 BOULDERBROOK CIRCLE	**	LAWRENCEVILLE	GA	HMIRS
30045	U003936219	9067369	PEACHTREE EXPRESS	1895 BRASELTON HWY		LAWRENCEVILLE	GA	UST
30045	1006803702	110013761072	AERO QUEST INTERIORS	470 BRISCOE BLVD		LAWRENCEVILLE	GA	FINDS
30045	S107749663	313500172	AERO QUEST INTERIORS	470 BRISCOE BLVD		LAWRENCEVILLE	GA	AIRS
30045	1004688557	110006546844	UK USA HELICOPTERS	570 BRISCOE BLVD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	U004117279		HIGH ROLLER LLC	760 BRISCOE BLVD		LAWRENCEVILLE	GA	UST
30045	1006792321	110013617648	F A SIMS OIL CO/BULK PLANT	BUCHANAN ST	**	LAWRENCEVILLE	GA	FINDS, LUST
30045	1012122285		GWINNETT BRAVES STADIUM	2500 BUFORD DRIVE		LAWRENCEVILLE	GA	ICIS
30045	1001960326	110005718964	BAILEYS MACHINE SHOP INC	341 BUFORD DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	984380091		375 BUFORD DRIVE	375 BUFORD DRIVE		LAWRENCEVILLE	GA	ERNS
30045	984380090		375 BUFORD DRIVE	375 BUFORD DRIVE		LAWRENCEVILLE	GA	ERNS
30045	1004463238	110007086027	ATLANTA COCA-COLA BOTTLING CO	411 BUFORD HIGHWAY		LAWRENCEVILLE	GA	AIRS, FINDS
30045	1006778029	110013473598	QUICK CORNER	419 BUFORD DR		LAWRENCEVILLE	GA	FINDS
30045	1011397194	110035441395	AAG ENVIRONMENTAL INC	485 BUFORD DR STE 316		LAWRENCEVILLE	GA	FINDS
30045	1010784128	GAR000052290	AAG ENVIRONMENTAL INC	485 BUFORD DR STE 316		LAWRENCEVILLE	GA	RCRA-NonGen
30045	1006778353	110013476853	PHILLIPS 66	597 BUFORD DR		LAWRENCEVILLE	GA	FINDS
30045	U003006277	9067016	MARATHON	597 BUFORD DR		LAWRENCEVILLE	GA	LUST, UST
30045	1006778213	110013475453	SEASIDE ENTERPRISES INC	635 BUFORD DR		LAWRENCEVILLE	GA	FINDS, LUST, UST

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30045	1006791037	110013604705	TEXACA-21-480-1311	664 BUFORD DR		LAWRENCEVILLE	GA	FINDS
30045	1001023961	110007494185	STAR ENTERPRISES	664 BUFORD DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006778068	110013473990	QUIKTRIP #764	675 BUFORD DR		LAWRENCEVILLE	GA	FINDS
30045	A100331661		PHILLIPS 66 FOOD MART	697 BUFORD DRIVE		LAWRENCEVILLE	GA	AST
30045	1005578704	110011330041	LAWRENCEVILLE	18 S CLAYTON ST		LAWRENCEVILLE	GA	NPDES, FINDS, LUST, UST
30045	1006788614	110013580277	LAWRENCEVILLE ASSOCIATES, LLC PRO	181 SOUTH CLAYTON STREET		LAWRENCEVILLE	GA	FINDS
30045	S105872250		CITY OF LAWRENCEVILLE	18SOUTH CLAYTON STREET	**	LAWRENCEVILLE	GA	NON HSI
30045	1014883858	110043814094	GOODYEAR AUTO SERVICE CENTER	273 S CLAYTON ST		LAWRENCEVILLE	GA	FINDS
30045	1000194247	110007488628	LAWRENCEVILLE AUTO PARTS	353 CLAYTON ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1004688198	110005719767	ARRINGTON AND BLOUNT INC	475 CLAYTON ST SE		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000257579	110007488138	SUNSHINE CLEANERS	739 N CLAYTON ST		LAWRENCEVILLE	GA	DRYCLEANERS
30045	S109506343		WAL-MART SUPERCENTER #548	630 COLLINS HILL RD		LAWRENCEVILLE	GA	RCRAInfo-SQG, FINDS
30045	1004688566	110006546924	COLONIAL BUICK GMC	850 COLLINS HILL ROAD		LAWRENCEVILLE	GA	FINDS
30045	1014696150	110043431970	EXXON @ PAPERMILL CROSSING	108 E CROGAN ST		LAWRENCEVILLE	GA	UST
30045	U003984401	10000693	EXXON @ PAPERMILL CROSSING	108 EAST CROGAN STREET		LAWRENCEVILLE	GA	AST
30045	A100331709		CROGAN INVESTMENT	139-B E CROGAN ST		LAWRENCEVILLE	GA	UST
30045	U004188814		H O T VENTURES INC	139-B E CROGAN ST		LAWRENCEVILLE	GA	FINDS
30045	1006792090	110013615329	CIRCLE M FOOD SHOP #8	29 CROGAN ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000507977	110007496343	BEST WAY AUTOMOTIVE	528 CROGAN ST		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1001227466	110005713781	BEST WAY AUTOMOTIVE	528 CROGAN STREET		LAWRENCEVILLE	GA	LUST, UST
30045	U004141803		BP OIL CO	606 CROGAN		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000506277	110007493569	DAVIS AUTOMOTIVE	65-B CROGAN ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1001459857	110005716671	BFI WASTE SYSTEMS OF GEORGIA	75 CURTIS RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000461350	110013606053	BFI WASTE SYSTEMS OF GEORGIA	75 CURTIS RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	U001491710	9067066				LAWRENCEVILLE	GA	NPDES, TIER 2, LUST, UST
30045	U004117425		FORMER BRUCE SERVICE STATION	1722 DULUTH HIGHWAY		LAWRENCEVILLE	GA	LUST, UST
30045	1006787603	110013570091	VI-MAC INC	662 DULUTH HWY		LAWRENCEVILLE	GA	FINDS
30045	U003936605	670025	SHELL FOOD MART	662 DULUTH HWY		LAWRENCEVILLE	GA	LUST, UST
30045	1004687022	110007496272	RITZ CLEANERS	665 DULUTH HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006816810	GAR000033803	SPRINGFIELD PARK SHOPPING CTR	665 DULUTH HWY		LAWRENCEVILLE	GA	RCRA-NonGen
30045	1007057197	110015326814	SPRINGFIELD PARK SHOPPING CTR	665 DULUTH HWY		LAWRENCEVILLE	GA	FINDS
30045	U001479535	00670005	CHEVRON #201822/SHELL #210-4961-	738 DULUTH HWY 120	**	LAWRENCEVILLE	GA	LUST, UST
30045	1006789172	110013585888	CHEVRON #40139	748 DULUTH HWY		LAWRENCEVILLE	GA	FINDS, LUST
30045	S110274360		EXPRESS OIL CHANGE FACILITY	EXPRESS OIL CHANGE FACILITY	**	LAWRENCEVILLE	GA	NON HSI
30045	U003006286	9067079	NRM CORPORATION	1205 FIVE FORKS TRICKUM RD		LAWRENCEVILLE	GA	LUST, UST
30045	1006791125	110013605606	NRM CORPORATION	1205 FIVE FORKS TRICKUM RD		LAWRENCEVILLE	GA	FINDS
30045	1004688156	110005719080	PENSKE TRUCK LEASING	455 FREDRIX ALLEY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006778325	110013476577	TEXACO FOOD MART	1000 GRAYSON HWY		LAWRENCEVILLE	GA	FINDS
30045	U003984400	10000761	FORMER GAS STATION	1214 GRAYSON HIGHWAY		LAWRENCEVILLE	GA	LUST, UST
30045	U003920925	10000268	HRF ENTERPRISES INC DBA CITGO WEB	1417 GRAYSON HWY		LAWRENCEVILLE	GA	UST
30045	1007452338	110017745813	N & I ENTERPRISES INC	1417 GRAYSON HWY		LAWRENCEVILLE	GA	FINDS
30045	A100331669		SPEEDWAY/STARVIN MARVIN	239 GRAYSON HWY		LAWRENCEVILLE	GA	AST
30045	1006791099	110013605349	PMG INC DBA ROUTE 20 CITGO	239 GRAYSON HWY		LAWRENCEVILLE	GA	FINDS
30045	1000506450	110007909594	CHEVRON 53504	425 GRAYSON HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS, LUST, UST
30045	S105037343		PRO CARE CLEANERS	455 GRAYSON HIGHWAY (GA HWY 20)		LAWRENCEVILLE	GA	NON HSI
30045	U004117337		KROGER GA-352	455 GRAYSON HWY		LAWRENCEVILLE	GA	UST
30045	1000259937	110007490483	LAWRENCEVILLE BODY & PAINT	562 GRAYSON HWY		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1006777327	110013466338	RESTRUCTURE PARTNERS LLC #624	647 GRAYSON HWY		LAWRENCEVILLE	GA	FINDS, LUST, UST
30045	1000507007	110007494988	MURPHY OIL USA INC	647 GRAYSON HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006792342	110013617853	SAFA EXPRESS	725 GRAYSON HWY		LAWRENCEVILLE	GA	FINDS, SPILLS
30045	1014695706	110043112039	GWINNETT INTERVENTION EDUCATION (I	91 GREEN ST		LAWRENCEVILLE	GA	FINDS
30045	1008315774	110022086375	LAWRENCEVILLE ELEMENTARY SCHOOL	122 GWINNETT DRIVE		LAWRENCEVILLE	GA	FINDS
30045	1006791773	110013612135	SPEEDE STOP	195-A GWINNETT DR		LAWRENCEVILLE	GA	FINDS, LUST
30045	U003158210	9067274	SPEEDE STOP	195-A GWINNETT DR		LAWRENCEVILLE	GA	UST
30045	1000506433	110005693936	GWINNETT COUNTY SCHOOL DISTRICT	52 GWINNETT DRIVE BLDG E		LAWRENCEVILLE	GA	RCRAInfo-SQG, FINDS
30045	1006788472	110013578823	GWINNETT COUNTY BOARD OF COMMIS	53 GWINNETT DR		LAWRENCEVILLE	GA	FINDS, LUST, UST
30045	1000317591	110007491295	GWINNETT COUNTY SCHOOLS - FLEET	53 GWINNETT DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	A100331488		HI-HOPE PEAK PLANT	HI-HOPE RD & HWY 316	**	LAWRENCEVILLE	GA	AST
30045	U003728389	9067332	LAWRENCEVILLE	200 HOSEA RD		LAWRENCEVILLE	GA	UST
30045	1006791985	110013614277	GA PACIFIC CORP	200 HOSEA RD		LAWRENCEVILLE	GA	FINDS
30045	S107772285	FATR20064YMZ5E0023UB -- BLUELINX CORP. -- 200 HOSEA ROAD				LAWRENCEVILLE	GA	TIER 2
30045	1001478298	30246WNFGR25	CMC REBAR GEORGIA	251 HOSEA RD		LAWRENCEVILLE	GA	TRIS
30045	1004688703	110009359559	SHEPLERS	251 HOSEA RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S108993756		CMC REBAR GEORGIA	251 HOSEA ROAD		LAWRENCEVILLE	GA	TIER 2
30045	1000177368	110010558814	DOLCO PACKAGING - LAWRENCEVILLE	252 HOSEA RD		LAWRENCEVILLE	GA	NPDES, RCRA-CESQG, FINDS, UST
30045	1004686245	110007482241	BOLINK R/C CARS INC	420 HOSEA RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1009216783	GAR000043554	LAMAR HOLMAN'S COLLISION CNTR INC	278 HURRICAN SHOALS RD	**	LAWRENCEVILLE	GA	RCRAInfo-SQG

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30045	1009317580	110024429830	LAMAR HOLMAN'S COLLISION CNTR INC	278 HURRICANE SHOALS RD	**	LAWRENCEVILLE	GA	FINDS
30045	S111278049		GDOT/DISTRICT1/GWINNETT CO MTC HQ	145 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	TIER 2
30045	1000688224	110005690840	DIESEL FUEL SYSTEMS	189 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S103908832		DONALD LOGGINS	189 HURRICANE SHOALS RD.		LAWRENCEVILLE	GA	NON HSI
30045	S107774761	FATR2006475Y1	Q0421W4 -- RSC EQUIPMENT RENTAL #486 --	229 HURRICANE SHOALS ROAD		LAWRENCEVILLE	GA	TIER 2
30045	1004688685	110015910282	HD SUPPLY WATERWORKS LTD - WW563	238 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1006778331	110013476639	MINIT SAVE FOOD STORE #8	251 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	FINDS
30045	U004022729	10001019	CHEVRON	256 HURRICANE SHOALS	**	LAWRENCEVILLE	GA	UST
30045	1006788590	110013580026	FLINT CONSTRUCTION CO	272 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	FINDS
30045	U001479764	670298	MD STEPHENS PROPERTIES LD	272 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	LUST, UST
30045	1012177999	GAR000056739	MUNDY'S COLLISION CENTER INC	278 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	RCRA-CESQG
30045	S110693553		APAC BALLENGER CONCRETE BATCH PL	365 HURRICANE SHOALS ROAD		LAWRENCEVILLE	GA	NPDES
30045	U004117092		EXXON FOOD MART	49 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	UST
30045	S107772584	FATR200625D25700	P8DX -- COMPOSITES ONE LLC -- 621 HURRICANE SHOALS RD. NW, STE. A	621A HURRICANE SHOALS RD NW		LAWRENCEVILLE	GA	TIER 2
30045	1004688630	110012244142	COMPOSITES ONE LLC	621A HURRICANE SHOALS RD NW		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1007202139	GAR000035790	ATOFINA CHEMICALS INC	621A HURRICANE SHOALS RD NW		LAWRENCEVILLE	GA	RCRA-NonGen
30045	U001491702	09067057	SHELL FOOD MART	1495-A GA HWY 120		LAWRENCEVILLE	GA	LUST
30045	U004188811		SHELL FOOD MART	1495-A GA HWY 120	**	LAWRENCEVILLE	GA	UST
30045	1005656953	110010720817	GWINNETT COUNTY DEPT OF PUBLIC UT	U.S. HWY 78 & MIDWAY RD	**	LAWRENCEVILLE	GA	FINDS
30045	1011579240		GWINNETT COUNTY DEPT OF PUBLIC UT	U.S. HWY 78 & MIDWAY RD	**	LAWRENCEVILLE	GA	ICIS
30045	U001479620	00670108	PROGRESS CONTAINER CORP	154 IND PARK CIR		LAWRENCEVILLE	GA	LUST, UST
30045	S108416202	FATR20062V2W3Q	002DCH -- OLDCASTLE GEORGIA MASONRY SUPPLY -- 125 INDUSTRIAL PARK CIRCLE	180 INDUSTRIAL PK CIRCLE LE		LAWRENCEVILLE	GA	NPDES, TIER 2
30045	1004687972	110005716822	RIVERSIDE METAL PRODUCTS INC	188 INDUSTRIAL PARK CIRCLE		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S108782037		MR. MARBLE	188 INDUSTRIAL PARK CIRCLE		LAWRENCEVILLE	GA	NON HSI
30045	1008158821	110020516869	MR. MARBLE CO.	188 INDUSTRIAL PARK DR		LAWRENCEVILLE	GA	FINDS
30045	1000507115	110007495200	COCA-COLA LAWRENCEVILLE DISTRIBUT	250 INDUSTRIAL PARK DR		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1012178050	GAR000057398	TARA MATERIALS	322 INDUSTRIAL PARK DR		LAWRENCEVILLE	GA	RCRAInfo-SQG
30045	1001116061	110007499803	BASIC AMERICAN WOOD PRODUCTS	362 INDUSTRIAL PARK DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	U003728388	09067331	GEORGIA MASONRY SUPPLY INC	95 INDUSTRIAL PARK CIRCLE		LAWRENCEVILLE	GA	LUST, UST
30045	1000344318	110009277745	MCCOY, J. L.	95 INDUSTRIAL PARK RD		LAWRENCEVILLE	GA	CERCLIS, FINDS
30045	S110591848		ATLANTA COCA COLA BOTTLING COMPAI	250 INDUSTRY PARK CIRCLE	**	LAWRENCEVILLE	GA	TIER 2
30045	1006791951	110013613937	SAVE TRIP	225 LANGELY DR		LAWRENCEVILLE	GA	FINDS
30045	U003728397	9067340	SHELL FOODMART	225A LANGELY DR		LAWRENCEVILLE	GA	LUST, UST
30045	1006791760	110013612000	GWINNETT COUNTY JUSTICE & ADMIN	75 LANGLEY DRIVE		LAWRENCEVILLE	GA	FINDS
30045	1007452319	110017745626	GAS EXPRESS #102	1154 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS
30045	U003920864	10000310	INGLES GAS EXPRESS #102	1154 LAWRENCEVILLE HWY	A, ENE, 1/4 - 1/2	LAWRENCEVILLE	GA	UST
30045	1007569783	GAR000038232	BP FACILITY #70537	1380 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	RCRA-NonGen
30045	1007733341	110018902945	BP FACILITY #70537	1380 LAWRENCEVILLE HWY		LAWRENCEVILLE	GA	FINDS
30045	1014694749	110040752334	COUNTY LINE RECYCLING METHANE	6321 LAWRENCEVILLE HWY	**	LAWRENCEVILLE	GA	FINDS
30045	1000359081	110035867719	AMERICAN CHARMS INC	309 MALTBIIE STREET		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S110694105		LAWRENCEVILLE TRANSFER STATION	350 MALTBIIE IND DRIVE	**	LAWRENCEVILLE	GA	NPDES
30045	S107773991	FATR200625M1CD	000XXJP -- LAWRENCEVILLE TRANSFER STATION -- 350 MALTBIIE INDUSTRIAL DRIVE	350 MALTBIIE INDUSTRIAL DRIVE		LAWRENCEVILLE	GA	TIER 2
30045	S107771578	FATR20061YPMW	01NBNJ -- NORTH ATLANTA READY MIX-LAWRENCEVILLE PLANT -- 383 MALTBIIE STREET	383 MALTBIIE STREET		LAWRENCEVILLE	GA	NPDES, TIER 2
30045	S110820961		SP RECYCLING CORP. GWINNETT	384 MALTBIIE ST.		LAWRENCEVILLE	GA	
30045	S110694456		SP RECYCLING CORPORATION	384 MALTBIIE STREET		LAWRENCEVILLE	GA	NPDES
30045	1004463246	110007090389	THOMAS CONCRETE OF GEORGIA, INC.	455 MALTBIIE STREET		LAWRENCEVILLE	GA	FINDS
30045	S107752483	313500122	YORK CASKET HARDWARE	506 MALTBIIE ST.		LAWRENCEVILLE	GA	AIRS
30045	1000190527	110000880725	YORK CASKET HARDWARE	506 MALTBIIE STREET		LAWRENCEVILLE	GA	CORRACTS, US ENG CONTROLS, US INST CONTROL, RCRA-CESQG, SHWS, FINDS, RCRAInfo-TSDF
30045	1011565494		YORK CASKET HARDWARE	506 MALTBIIE STREET		LAWRENCEVILLE	GA	ICIS
30045	2004728828		280 MARANATHA TRAIL	280 MARANATHA TRAIL		LAWRENCEVILLE	GA	ERNS
30045	1006791891	110013613330	QUIKTRIP #740	1770 MARATHON BLVD		LAWRENCEVILLE	GA	FINDS
30045	2011004988		775 MARATHON PARKWAY	775 MARATHON PARKWAY		LAWRENCEVILLE	GA	HMIRS
30045	S108416761	FATR20064YQR	D00M6A1 -- U.P.S. LAWRENCEVILLE FREIGHT -- 775 MARATHON PARKWAY	775 MARATHON PARKWAY		LAWRENCEVILLE	GA	TIER 2
30045	2009044141		775 MARATHON PKWY	775 MARATHON PKWY	**	LAWRENCEVILLE	GA	HMIRS
30045	1010459427	110031366304	LAWRENCEVILLE FREIGHT	775 MARATHON PKWY		LAWRENCEVILLE	GA	FINDS
30045	1006778154	110013474855	OVERNITE TRANSPORTATION CO (NOA)	775 MARATHON PKWY		LAWRENCEVILLE	GA	FINDS
30045	2011009688		775 MARATHON PKWY	775 MARATHON PKWY		LAWRENCEVILLE	GA	HMIRS
30045	1010316056	GAR000046375	LAWRENCEVILLE FREIGHT	775 MARATHON PKWY		LAWRENCEVILLE	GA	RCRAInfo-SQG
30045	1004688659	110012224921	VIATEK SOLUTIONS	825 MARATHON PKWY STE A		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1004688664	GAR000029694	SOUTHERN REFURB INC	825 MARATHON PKWY STE A		LAWRENCEVILLE	GA	RCRA-NonGen
30045	A100331411		ACE HARDWARE (CLOSED)	875 MARATHON PARKWAY		LAWRENCEVILLE	GA	AST
30045	1007130063	110015767623	ALLIED READYMIX, INC.	383 MATTIE STREET	**	LAWRENCEVILLE	GA	FINDS
30045	1011571465		ALLIED READYMIX, INC.	383 MATTIE STREET	**	LAWRENCEVILLE	GA	ICIS
30045	S111278004		LEVEL 3 - LAWRENCEVILLE	790 MCCART RD (SEE LAT/LONG)	**	LAWRENCEVILLE	GA	TIER 2
30045	S107775762	FATR200626DTR	R04ENZV -- LEVEL 3 COMMUNICATIONS -LRV LGA1T (INCLUDES LRV LGA2T) - LAWRE -- 790 MCC	790 MCCART RD (SEE LAT/LONG)		LAWRENCEVILLE	GA	TIER 2
30045	1010563048	GAR000049908	GWINNETT MEDICAL CENTER	1000 MEDICAL CENTER BLVD		LAWRENCEVILLE	GA	RCRAInfo-SQG
30045	1006777926	110013472553	GWINNETT MEDICAL CENTER	1000 MEDICAL CENTER BLVD NW	**	LAWRENCEVILLE	GA	FINDS
30045	1011462461	110036047364	LOVIN ELEMENTARY SCHOOL	1705 NEW HOPE RD	**	LAWRENCEVILLE	GA	FINDS
30045	1007453957	110017745476	SHELL FOOD MART	200 NEW HOPE RD		LAWRENCEVILLE	GA	FINDS

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ZIP	EDR-ID	Facility ID	Name	Address	Map/Dir/Dist	City	State	Databases
30045	U003920905	10000350	SHELL FOOD MART	200 NEW HOPE RD		LAWRENCEVILLE	GA	UST
30045	1006792016	110013614589	ASSOCIATED ENTERPRISES PROPRIETA	880 NEW HOPE RD		LAWRENCEVILLE	GA	FINDS
30045	U004141589		SHELL FOOD MART	920 NEW HOPE RD		LAWRENCEVILLE	GA	UST
30045	1010696219	110033020950	NEW HOPE DRY CLEANERS	930 NEW HOPE RD #1		LAWRENCEVILLE	GA	FINDS
30045	1010563147	GAR0000051375	NEW HOPE DRY CLEANERS	930 NEW HOPE RD #1		LAWRENCEVILLE	GA	RCRA-CESQG
30045	2000536814		NEW HOPE RD .5 MILES EAST	NEW HOPE RD .5 MILES EAST		LAWRENCEVILLE	GA	ERNS
30045	U003158200	9067260	YOUNG HO INC	550 NORTHDAL RD		LAWRENCEVILLE	GA	UST
30045	1006778059	110013473909	YOUNG HO INC	550 NORTHDAL RD		LAWRENCEVILLE	GA	NON HSI, FINDS, LUST
30045	U003295638	670500	BELLSOUTH - F5618	305 OAK ST		LAWRENCEVILLE	GA	TIER 2, UST
30045	2010101590		1449 OAKLAND RD	1449 OAKLAND RD	**	LAWRENCEVILLE	GA	HMIRS
30045	1005904940	110012551639	CON-WAY SOUTHERN EXPRESS	1449 OAKLAND RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006788736	110013581490	APEX SUPPLY CO INC	1025 OLD NORCROSS RD		LAWRENCEVILLE	GA	FINDS, LUST
30045	1007843613	110020124033	HOME DEPOT SUPPLY 08	1025 OLD NORCROSS RD		LAWRENCEVILLE	GA	FINDS
30045	S109144970		AVERITT EXPRESS NOR	1156 OLD NORCROSS ROAD		LAWRENCEVILLE	GA	TIER 2, SPILLS
30045	U004022620	10000485	PATRICK STORS	280 OLD PEACHTREE RD		LAWRENCEVILLE	GA	LUST, UST
30045	1000823135	110007497645	VECTOR ENTERPRISES INC	575 OLD NORCROSS RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1005904950	110012576382	GWINNETT COUNTY SCHOOLS-FLEET	600 OLD SNELLVILLE HWY		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1000161854	110002473911	GOODWIN COMPANY	601 OLD NORCROLL PLACE		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000257999	110007491277	ILLINOIS TOOL WORKS BUILDEX	621D OLD NORCROSS RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1004463248	110007090414	AMERICAN CONCRETE CO	1125 OZORA RD		LAWRENCEVILLE	GA	AIRS, FINDS, LUST
30045	S109822533		PAPER MILL ROAD UNDEVELOPED TRAC	PAPER MILL ROAD AND SPRINGLAKE RO.	**	LAWRENCEVILLE	GA	SHWS
30045	1008230461	110021006873	NTB #641	125 PARK ACCESS DR		LAWRENCEVILLE	GA	FINDS
30045	1008194929	GAR000040402	NTB #641	125 PARK ACCESS DR		LAWRENCEVILLE	GA	RCRA-CESQG
30045	S109508917		ATLANTA COCA COLA BOTTLING COMPA	250IND. PARK CIRCLE	**	LAWRENCEVILLE	GA	TIER 2
30045	1008904837	110022825031	BLACK DIAMOND PETROLEUM	81 PARK PLACE DR		LAWRENCEVILLE	GA	FINDS
30045	1008402594	GAR000042622	BLACK DIAMOND PETROLEUM	81 PARK PLACE DR		LAWRENCEVILLE	GA	RCRA-NonGen
30045	S107914190	10001099	FORMER MUNFORD DRUG STORE	105 NORTH PERRY STREET		LAWRENCEVILLE	GA	LUST
30045	1012079287	110038644973	GWINNETT CONCRETE PRO	289 EAST PIKE ST		LAWRENCEVILLE	GA	FINDS
30045	1014389581	GAR000060400	BLOCK USA	300 PIKE BLVD		LAWRENCEVILLE	GA	RCRA-NonGen
30045	S110694104		LAWRENCEVILLE (BLOCK USA)	300 PIKE BOULEVARD		LAWRENCEVILLE	GA	NPDES
30045	1006682721	110007739242	ALLIED READYMIX INCORPORATED PLAN	300 PIKE BOULEVARD		LAWRENCEVILLE	GA	FINDS
30045	1000860043	110007481689	GAS INCORPORATED	321 E PIKE ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S107773389	FATR20062609J501	TPYE -- GAS INCORPORATED -- 321 EAST	PIKE STREET		LAWRENCEVILLE	GA	TIER 2
30045	2008865324		350 WEST PIKE ST.	350 WEST PIKE ST.		LAWRENCEVILLE	GA	ERNS
30045	1011861882	GAR000054080	CAR WASH SERVICES OF GEORGIA	371 PIKE BLVD STE 130		LAWRENCEVILLE	GA	RCRA-NonGen
30045	1011918643	110037386600	CAR WASH SERVICES OF GEORGIA	371 PIKE BLVD STE 130		LAWRENCEVILLE	GA	FINDS
30045	U004188638		SIMS 206/ DISCOUNT FOOD MART	445 WEST PIKE ST		LAWRENCEVILLE	GA	UST
30045	1000375591	110007490982	SIMS RADIATOR SERVICE	448 PIKE ST	**	LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1001816069	110005718606	S&R AUTO CARE	551 W PIKE ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000507873	110007496281	ROYAL CLEANERS	575 WEST PIKE ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1001218440	110005714771	ACR INC DBA COLLISIOIN CARE	582 W PIKE ST		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30045	1014696259	110043432014	HAYES CHRYSLER DODGE JEEP INC.	719 PIKE ST.	**	LAWRENCEVILLE	GA	FINDS
30045	1007218480	110016740525	QUIKTRIP CORP STORE 700	741 WEST PIKE ST		LAWRENCEVILLE	GA	FINDS
30045	1006789065	110013584807	F A SIMS OIL/ #206	792 PIKE ST	**	LAWRENCEVILLE	GA	FINDS
30045	S110694346		REHRIG PACIFIC CO.	1000 RACO COURT		LAWRENCEVILLE	GA	NPDES
30045	S110592077		MACTAC	1005 RACO CT. SUITE E		LAWRENCEVILLE	GA	TIER 2
30045	1001485065	110005717064	BIRD WILLIAM M & CO. ATL	665 RACO DR SUITE C		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1005447622	30245WHTLG72	SHERWIN-WILLIAMS CO	725 RACO DR		LAWRENCEVILLE	GA	TRIS
30045	1004461735	110000357239	SHERWIN-WILLIAMS CO	725 RACO DR.		LAWRENCEVILLE	GA	FINDS
30045	1006166671	313500169	SHERWIN-WILLIAMS LAWRENCEVILLE	725 RACO DRIVE		LAWRENCEVILLE	GA	AIRS, NPDES, TIER 2
30045	1000507762	110007496003	GENERAL COOPERAGE COMPANY	875 RACO DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1008379878	110022474829	HD SUPPLY PLUMBING/HVAC LTD (HG51	950 RACO DR		LAWRENCEVILLE	GA	FINDS
30045	1008372577	GAR000041863	HD SUPPLY PLUMBING/HVAC LTD (HG51	950 RACO DR		LAWRENCEVILLE	GA	RCRA-NonGen
30045	S110820938		REHRIG-PACIFIC COMPANY	1000 RAYCO CT.	**	LAWRENCEVILLE	GA	
30045	S109508422		LZU ASR	2724 W. ROCK QUARRY RD. NE		BUFORD	GA	TIER 2
30045	S110693965		GIVENS AUTO PARTS #3, INC.	285 EAST ROCK HOUSE ROAD		LAWRENCEVILLE	GA	NPDES
30045	1004688358	110005720835	GIVENS USED AUTO PARTS	285 ROCK HOUSE RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000506875	110007494577	THE PIT STOP	105 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	U003002601	00670253	A&K AMOCO D/B/A PIT STOP #2	105 SCENIC HWY		LAWRENCEVILLE	GA	LUST, UST
30045	1000449330	110007491687	CROWN CENTRAL PETROLEUM GA-032	179-185 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1000343855	110007490312	ARROW LINCOLN MERCURY INC	182 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	U001491697	9067052	DEONARAIN TEXACO	187 SCENIC HWY #124		LAWRENCEVILLE	GA	LUST, UST
30045	1006790768	110013601977	YANG TEXACO/TEXACO FOOD MART	187 SCENIC HWY #124		LAWRENCEVILLE	GA	FINDS
30045	1000507117	110007495219	LAWRENCEVILLE TIRE CO	202 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	1006789133	110013585487	SHELL	259 SCENIC HWY		LAWRENCEVILLE	GA	FINDS, LUST
30045	U004022698	10000870	STAR MART #2 DBA CHEVRON	629 SCENIC HWY		LAWRENCEVILLE	GA	UST
30045	1006788972	110013583862	MAJIK MARKET #09172	685 SCENIC HWY		LAWRENCEVILLE	GA	FINDS, LUST, UST
30045	1007453399	110017743744	SCENIC HWY FUEL SITE	703 SCENIC HWY		LAWRENCEVILLE	GA	FINDS, UST
30045	1000506193	110007493426	EXXON CO USA #40007	840 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS, LUST, UST
30045	A100331700		SUGARLOAF SHELL	850 SCENIC HWY		LAWRENCEVILLE	GA	AST

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30045	1006796082	110013655543	SUGARLOAF MART	850 SCENIC HWY		LAWRENCEVILLE	GA	FINDS, UST
30045	1000506299	110007493612	BP OIL CO	855 SCENIC HIGHWAY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30045	S110693618		BLAZE RECYCLING AND METALS, INC.	530 SEABOARD INDUSTRIAL WAY	**	LAWRENCEVILLE	GA	NPDES, TIER 2
30045	S110694144		MARTIN MARIETTA, INC. LAWRENCEVILLE	543 SEABOARD INDUSTRIAL DRIVE		LAWRENCEVILLE	GA	NPDES
30045	1008379467	110022447636	LAFARGE LAWRENCEVILLE CONCRETE F	545 SEABOARD INDUSTRIAL DR		LAWRENCEVILLE	GA	FINDS
30045	1009396603	30045LFRGL54	LAFARGE LAWRENCEVILLE CONCRETE F	545 SEABOARD INDUSTRIAL DR		LAWRENCEVILLE	GA	TRIS
30045	S107773990	FATR200624MN7501	DEKR -- LAWRENCEVILLE CONCRETE PLANT	-- 545 SEABOARD INDUSTRIAL DRIVE		LAWRENCEVILLE	GA	NPDES, TIER 2
30045	1010052616	110028240188	LAFARGE NORTH AMERICA LAWRENCEV	545 SEABOARD INDUSTRIAL DRIVE		LAWRENCEVILLE	GA	FINDS
30045	1004463647	110007398565	NATIONAL CEMENT COMPANY OF ALABA	550 SEABOARD INDUSTRIAL DR		LAWRENCEVILLE	GA	FINDS
30045	A100331672		A & K FOOD MART	105 SECNIC HWY		LAWRENCEVILLE	GA	AST
30045	1006771818	110013410941	CHEVRON FOOD MART	1215 SENIC HWY		LAWRENCEVILLE	GA	FINDS, UST
30045	1008315333	110036814720	SIMONTON ELEMENTARY SCHOOL	275 SIMONTON RD		LAWRENCEVILLE	GA	FINDS
30045	1006788083	00670173	SHELL QUICK MART	4785 SUGAR LOAF PARKWAY		LAWRENCEVILLE	GA	LUST, UST
30045	2007313186		610 THORNBUSH TRACE	610 THORNBUSH TRACE		LAWRENCEVILLE	GA	ERNS
30045	S107772439	FATR20062SA9DG00FP8E	-- CENTERS FOR DISEASE CONTROL (LAWRENCEVILLE) --	602 WEBB GIN HOUSE ROA		LAWRENCEVILLE	GA	TIER 2
30045	1006777967	110013472964	SEABOARD FUEL SITE GWINNETT COUNT	684 WINDER HWY		LAWRENCEVILLE	GA	FINDS, UST
30045	1010316370	GAR000049957	GWINNETT COUNTY POLICE DEPT TRNG	854 WINDER HWY BLDG B		LAWRENCEVILLE	GA	RCRA-CESQG
30045	1010461466	110031416698	GWINNETT COUNTY POLICE DEPT TRNG	854 WINDER HWY BLDG B		LAWRENCEVILLE	GA	FINDS
30045	1012079109	110038645892	SARJOE-ATLANTA LLC	4301 WINER IND. WAY	**	LAWRENCEVILLE	GA	FINDS
30045	1012195480		GENESIS TECHNOLOGIES INTL INC	696 WINER INDUSTRIAL WAY		LAWRENCEVILLE	GA	SSTS
30045	1009305204		GENESIS TECHNOLOGIES INC	696 WINER INDUSTRIAL WAY		LAWRENCEVILLE	GA	SSTS
30045	1012004613	110038237128	GENESIS TECHNOLOGIES INC	696 WINER INDUSTRIAL WAY		LAWRENCEVILLE	GA	FINDS
30046	A100331632		BIG H. CHEVRON #92	3595 HIGHWAY 124	**	DACULA	GA	AST
30046	1006790832	110013602618	GWINNETT COUNTY DETENTION CENTER	2900 HWY 316		LAWRENCEVILLE	GA	FINDS, LUST, UST
30046	S110592061		LANDMARK AVIATION	850 AIRPORT ROAD		LAWRENCEVILLE	GA	TIER 2
30046	1010166384	110030482840	4W FARM DEVELOPMENT	BRAND PROPERTIES LLC, P.O. BOX 1110	**	LAWRENCEVILLE	GA	FINDS
30046	1000506202	110013580393	ATLANTA COCA-COLA BOTTLING CO	924 BUFORD DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS, LUST
30046	U001479757	670289	ATLANTA COCA-COLA BOTTLING CO	924 BUFORD DR		LAWRENCEVILLE	GA	UST
30046	U003006334	9067242	CITY OF LAWRENCEVILLE	20 S CLAYTON ST		LAWRENCEVILLE	GA	UST
30046	1014883834	110043804014	CITY OF LAWRENCEVILLE	70 SOUTH CLAYTON STREET		LAWRENCEVILLE	GA	FINDS
30046	U004117233		EAST CROGAN STREET UST REMOVAL	155 EAST CROGAN STREET		LAWRENCEVILLE	GA	LUST, UST
30046	1008315778	110036786252	CENTRAL GWINNETT HIGH SCHOOL	564 WEST CROGAN ST		LAWRENCEVILLE	GA	FINDS
30046	1000823138	110007497654	SPEEDY TRANSMISSION	562 GRAYSON HWY		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	U003728411	9067354	SAFA EXPRESS	725 GRAYSON HWY		LAWRENCEVILLE	GA	UST
30046	A100331650		RANS TEXACO	842 HARBINS ROAD		DACULA	GA	AST
30046	1000741032	670153	OWEN OF GA INC	251 HOSEA RD		LAWRENCEVILLE	GA	NPDES, UST
30046	1012110484	110038903577	MUNDY'S COLLISION CENTER INC	278 HURRICANE SHOALS RD		LAWRENCEVILLE	GA	FINDS
30046	1010041462	110028128755	NASSER HEAVY EQUIPMENT, INC.	525 HURRICANE SHOALS ROAD		LAWRENCEVILLE	GA	FINDS
30046	1004463242	110007355806	TARA MATERIALS INC	322 INDUSTRIAL PARK DR.		LAWRENCEVILLE	GA	AIRS, FINDS
30046	1000153226	110007489468	ATLANTA ATTACHMENT COMPANY	401 INDUSTRIAL PARK DR		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	2011004183		775 MARATHON PKWY	775 MARATHON PKWY		LAWRENCEVILLE	GA	HMIRS
30046	U003296182	9067315	GWINNETT MEDICAL CENTER-ENGINEER	1000 MEDICAL CENTER BLVD NW		LAWRENCEVILLE	GA	TIER 2, LUST, UST
30046	1008278485	110036749276	HOOPER RENWICK CENTER	56 NEAL BLVD		LAWRENCEVILLE	GA	FINDS
30046	U003296191	9067324	SHAMIL GROCERY INC DBA NEW HOPE C	880 NEW HOPE RD		LAWRENCEVILLE	GA	LUST, UST
30046	A100331721		SIMONTON ROAD CENTER, LLC	920 NEW HOPE ROAD		LAWRENCEVILLE	GA	AST
30046	1014694805	110043107973	BENEFIELD ELEMENTARY SCHOOL	1221 OLD NORCROSS RD		LAWRENCEVILLE	GA	FINDS
30046	1011464272	110036049228	MARGARET WINN HOLT ELEMENTARY SC	588 OLD SNELLVILLE HWY		LAWRENCEVILLE	GA	FINDS
30046	1014694801	110043107937	OAKLAND MEADOW SCHOOL	590 OLD SNELLVILLE HWY		LAWRENCEVILLE	GA	FINDS
30046	1000117191	110007489164	THE HOME DEPOT STORE #999	625 OLD NORCROSS RD SUITE E		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	1000386530	110007490107	CLASSIC SMOKE REMOVAL	100 PAPERMILL RD		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	1000370903	110007485881	SHERWIN WILLIAMS CO	137 PERRY ST SW	**	LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	S110592224		SHERWIN-WILLIAMS #2041	137 S PERRY ST		LAWRENCEVILLE	GA	TIER 2
30046	1000201904	110007489725	MC Gee CLEANERS INC	241 N PERRY ST NW		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	1000175773	110007485603	RIDCO EXT CO INC	312 PIKE ST		LAWRENCEVILLE	GA	RCRA-NonGen, FINDS
30046	1006791463	9067117	GEC ATLANTA LLC #522	400 W PIKE ST		LAWRENCEVILLE	GA	UST
30046	U004188213		#301 WEST PIKE ST	444 W PIKE ST		LAWRENCEVILLE	GA	UST
30046	S110590969		#301 WEST PIKE ST	444 W PIKE ST		LAWRENCEVILLE	GA	LUST
30046	1014696464	110043107599	PHOENIX HIGH SCHOOL	501 WEST PIKE ST		LAWRENCEVILLE	GA	FINDS
30046	1006879388	110014449123	LUND INTERNATIONAL	655 RACO DRIVE		LAWRENCEVILLE	GA	AIRS, NPDES, TIER 2, FINDS
30046	1000506157	110007493300	SHERWIN-WILLIAMS CO-WHITE LIGHTNIN	725 RACO DRIVE		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30046	S109508508		HD SUPPLY PLUMBING/HVAC, LTD. (GA09	950 RACO DRIVE, SUITE A		LAWRENCEVILLE	GA	TIER 2
30046	1000237823	110007488566	NASH CHEVROLET COMPANY	630 SCENIC HWY		LAWRENCEVILLE	GA	RCRA-CESQG, FINDS
30046	1000503872	00670115	TRI-STATE CULVERT CORP	535 SEABOARD IND DR		LAWRENCEVILLE	GA	LUST, UST
30046	1012079086	110038645712	TRI-STATE CULVERT COR	535 SEABOARD IND DR.		LAWRENCEVILLE	GA	FINDS
30046	1004463649	110007090432	ERNST ENTERPRISES OF GEORGIA	540 SEABOARD IND DR.	**	LAWRENCEVILLE	GA	FINDS
30046	S110693838		ERNST - LAWRENCEVILLE PLANT	540 SEABOARD INDUSTRIAL DRIVE		LAWRENCEVILLE	GA	NPDES, TIER 2
30046	1006792620	110013620661	CHEVRON FOOD MART	452 WINDER HWY		LAWRENCEVILLE	GA	FINDS, UST
30046	1014696258	110043432005	EXPERT TRUCK & EQUIPMENT, INC.	712 WINER INDUSTRIAL WAY		LAWRENCEVILLE	GA	FINDS
30046	1004462452	110007253122	LECO CORP	832 WINER IND. WAY		LAWRENCEVILLE	GA	FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 05/10/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	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: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	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: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

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: 09/07/2011	Source: EPA
Date Data Arrived at EDR: 10/12/2011	Telephone: N/A
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 141	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 12/27/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/11/2011	Telephone: 703-603-8704
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/12/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

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: 12/28/2011	Source: EPA
Date Data Arrived at EDR: 02/27/2012	Telephone: 703-412-9810
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/05/2012
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/13/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Quarterly

Federal RCRA generators list

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: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
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: 11/10/2011
Date Data Arrived at EDR: 01/05/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 04/04/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	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: 12/30/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/30/2011	Telephone: 703-603-0695
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/12/2012
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/03/2011	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-267-2180
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: Hazardous Site 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: 07/01/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/21/2011	Telephone: 404-657-8600
Date Made Active in Reports: 08/09/2011	Last EDR Contact: 04/02/2012
Number of Days to Update: 19	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Annually

NON HSI: Non-Hazardous Site Inventory

This list was obtained by EDR in 1998 and contains property listings that have reported contamination of soil or groundwater under the Georgia Hazardous Site Response Act (HSRA). These sites were not placed on the Georgia Priority list (Hazardous Site Inventory or HSI) because their hazard evaluation scores did not exceed the threshold levels established for sites posing an imminent threat to health or the environment. Disclaimer provided by Rindt-McDuff Associates - the database information has been obtained from publicly available sources produced by other entities. While reasonable steps have been taken to insure the accuracy of the data, RMA does not guarantee the accuracy of the data. No claim is made for the actual existence of pollution at any site. This data does not constitute a legal opinion.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/16/2012
Date Made Active in Reports: 05/14/2012
Number of Days to Update: 28

Source: Rindt-McDuff Associates, Inc.
Telephone: N/A
Last EDR Contact: 03/16/2012
Next Scheduled EDR Contact: 06/25/2012
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Disposal 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: 03/04/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/23/2011
Number of Days to Update: 43

Source: Department of Natural Resources
Telephone: 404-362-2696
Source: Center for GIS, Georgia Institute of Technology
Telephone: 404-385-0900
Last EDR Contact: 05/11/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: List of Leaking Underground Storage Tanks

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/11/2012
Date Data Arrived at EDR: 03/21/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 20

Source: Environmental Protection Division
Telephone: 404-362-2687
Last EDR Contact: 03/21/2012
Next Scheduled EDR Contact: 07/02/2012
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Semi-Annually

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: 12/05/2011
Date Data Arrived at EDR: 12/07/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2011	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2011	Telephone: 617-918-1313
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 05/01/2012
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

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

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/13/2012
	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: 11/01/2011	Source: EPA Region 7
Date Data Arrived at EDR: 11/21/2011	Telephone: 913-551-7003
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/30/2012
Number of Days to Update: 50	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/18/2011	Source: EPA Region 8
Date Data Arrived at EDR: 08/19/2011	Telephone: 303-312-6271
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: 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: 03/08/2012	Source: Environmental Protection Division
Date Data Arrived at EDR: 03/16/2012	Telephone: 404-362-2687
Date Made Active in Reports: 04/11/2012	Last EDR Contact: 03/16/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Annually

AST: Above Ground Storage Tanks

A listing of LP gas tank site locations.

Date of Government Version: 03/06/2012	Source: Office of Insurance & Safety Fire Commissioner
Date Data Arrived at EDR: 03/06/2012	Telephone: 404-656-5875
Date Made Active in Reports: 04/11/2012	Last EDR Contact: 02/27/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 08/26/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 18

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/28/2011
Date Data Arrived at EDR: 11/29/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 42

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 25

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 11/01/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 10

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/01/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/02/2011
Date Data Arrived at EDR: 11/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 7

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 11/01/2011
Date Data Arrived at EDR: 11/21/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 50

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/30/2012
Next Scheduled EDR Contact: 08/13/2012
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/10/2012
Next Scheduled EDR Contact: 07/30/2012
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Uniform Environmental Covenants

A list of environmental covenants

Date of Government Version: 12/08/2010
Date Data Arrived at EDR: 01/06/2012
Date Made Active in Reports: 01/30/2012
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: 404-657-8600
Last EDR Contact: 02/17/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Varies

INST CONTROL: Public Record List

Sites on the Public Record Listing that have institutional controls or limitations on use are sites with Risk Reduction Standards of 3, 4, and 5.

Date of Government Version: 10/27/2011
Date Data Arrived at EDR: 11/17/2011
Date Made Active in Reports: 12/14/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: 404-657-8600
Last EDR Contact: 02/17/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program site

Georgia's Voluntary Remediation Program Act was created to encourage voluntary investigation and remediation of contaminated properties.

Date of Government Version: 01/01/2012
Date Data Arrived at EDR: 03/06/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 35

Source: DNR
Telephone: 404-657-8600
Last EDR Contact: 03/06/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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: 08/04/2011
Date Data Arrived at EDR: 10/04/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 38

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Public Record List

The Brownfields Public Record lists properties where response actions under the Georgia Hazardous Site Reuse and Redevelopment Act are planned, ongoing or completed.

Date of Government Version: 10/27/2011
Date Data Arrived at EDR: 11/17/2011
Date Made Active in Reports: 12/14/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: 404-657-8600
Last EDR Contact: 02/17/2012
Next Scheduled EDR Contact: 05/28/2012
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/27/2011
Date Data Arrived at EDR: 06/27/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 78

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/03/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 03/26/2012
Next Scheduled EDR Contact: 07/09/2012
Data Release Frequency: No Update Planned

SWRCY: Recycling Center Listing

A listing of recycling facility locations.

Date of Government Version: 03/14/2012
Date Data Arrived at EDR: 03/15/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 26

Source: Department of Community Affairs
Telephone: 404-679-1598
Last EDR Contact: 05/07/2012
Next Scheduled EDR Contact: 07/12/2012
Data Release Frequency: Varies

HIST LF: Historical Landfills

Landfills that were closed many years ago.

Date of Government Version: 01/15/2003
Date Data Arrived at EDR: 01/20/2004
Date Made Active in Reports: 02/06/2004
Number of Days to Update: 17

Source: Department of Natural Resources
Telephone: 404-362-2696
Last EDR Contact: 01/20/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/07/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 10/07/2011
Date Data Arrived at EDR: 12/09/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 32

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/06/2012
Next Scheduled EDR Contact: 06/18/2012
Data Release Frequency: Quarterly

DEL SHWS: Delisted Hazardous Site Inventory Listing

A listing of sites delisted from the Hazardous Site Inventory.

Date of Government Version: 07/01/2011
Date Data Arrived at EDR: 07/21/2011
Date Made Active in Reports: 08/09/2011
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: 404-657-8636
Last EDR Contact: 04/02/2012
Next Scheduled EDR Contact: 07/16/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 11/19/2008	Telephone: 202-307-1000
Date Made Active in Reports: 03/30/2009	Last EDR Contact: 03/23/2009
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/22/2009
	Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 09/09/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/16/2011	Telephone: 202-564-6023
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/13/2012
	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	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/03/2012
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/04/2012
	Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 10/04/2011	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 10/04/2011	Telephone: 202-366-4555
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/03/2012
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Annually

SPILLS: Spills Information

Oil or Hazardous Material Spills or Releases.

Date of Government Version: 04/04/2012	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/05/2012	Telephone: 404-656-6905
Date Made Active in Reports: 05/14/2012	Last EDR Contact: 04/02/2012
Number of Days to Update: 39	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Quarterly

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/10/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2012	Telephone: (404) 562-8651
Date Made Active in Reports: 03/12/2012	Last EDR Contact: 04/04/2012
Number of Days to Update: 67	Next Scheduled EDR Contact: 07/16/2012
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/29/2011	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/09/2011	Telephone: 202-366-4595
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 05/08/2012
Number of Days to Update: 94	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/30/2012
	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: 12/31/2009	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/12/2010	Telephone: 202-528-4285
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/12/2012
Number of Days to Update: 112	Next Scheduled EDR Contact: 06/25/2012
	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.

Date of Government Version: 12/01/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/25/2012	Telephone: Varies
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/02/2012
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/16/2012
	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: 09/28/2011	Source: EPA
Date Data Arrived at EDR: 12/14/2011	Telephone: 703-416-0223
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/14/2012
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/11/2012
	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: 08/18/2011	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 09/08/2011	Telephone: 303-231-5959
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 03/07/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/18/2012
	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.

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 02/28/2012
Number of Days to Update: 131	Next Scheduled EDR Contact: 06/11/2012
	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: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 03/28/2012
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/09/2012
	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: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	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: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/30/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/13/2012
	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: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 03/26/2012
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/09/2012
	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: 11/01/2010	Source: EPA
Date Data Arrived at EDR: 11/10/2010	Telephone: 202-566-0500
Date Made Active in Reports: 02/16/2011	Last EDR Contact: 04/17/2012
Number of Days to Update: 98	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/21/2011	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/15/2011	Telephone: 301-415-7169
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/12/2012
Number of Days to Update: 60	Next Scheduled EDR Contact: 06/25/2012
	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: 01/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/12/2012	Telephone: 202-343-9775
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 04/10/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 07/23/2012
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011	Source: EPA
Date Data Arrived at EDR: 12/13/2011	Telephone: (404) 562-9900
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 03/13/2012
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/25/2012
	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: 12/31/2009	Source: EPA/NTIS
Date Data Arrived at EDR: 03/01/2011	Telephone: 800-424-9346
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/27/2012
Number of Days to Update: 62	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPDES: NPDES Wastewater Permit List

A listing of NPDES wastewater permits issued by the Watershed Protection Branch.

Date of Government Version: 01/27/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 02/15/2011	Telephone: 404-362-2680
Date Made Active in Reports: 02/23/2011	Last EDR Contact: 02/15/2012
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/28/2012
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaner Database

A list of drycleaners in the state. The listing includes drycleaner facilities, that use perchloroethylene, that responded to the Notification of Compliance Status forms. It also includes those businesses that are pick-up stores only and do not conduct dry cleaning on site.

Date of Government Version: 09/18/2009	Source: Department of Natural Resources
Date Data Arrived at EDR: 09/18/2009	Telephone: 404-363-7000
Date Made Active in Reports: 10/09/2009	Last EDR Contact: 02/27/2012
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/28/2012
	Data Release Frequency: Varies

AIRS: Permitted Facility & Emissions Listing

A listing of permitted Air facilities and emissions data.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 02/29/2012	Telephone: 404-363-7000
Date Made Active in Reports: 04/18/2012	Last EDR Contact: 02/27/2012
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/11/2012
	Data Release Frequency: Varies

TIER 2: Tier 2 Data Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2010	Source: Department of Natural Resources
Date Data Arrived at EDR: 10/25/2011	Telephone: 404-656-4852
Date Made Active in Reports: 11/18/2011	Last EDR Contact: 03/05/2012
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/18/2012
	Data Release Frequency: Varies

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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Semi-Annually

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: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 04/23/2012
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/06/2012
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINANCIAL ASSURANCE: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities.

Date of Government Version: 03/08/2012	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/16/2012	Telephone: 404-362-4892
Date Made Active in Reports: 04/11/2012	Last EDR Contact: 03/16/2012
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/02/2012
	Data Release Frequency: Annually

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/16/2012
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/04/2012
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/13/2012
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 03/16/2012
Number of Days to Update: 77	Next Scheduled EDR Contact: 06/25/2012
	Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash landfills.

Date of Government Version: 05/27/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 05/31/2011	Telephone: 404-362-2537
Date Made Active in Reports: 07/11/2011	Last EDR Contact: 05/07/2012
Number of Days to Update: 41	Next Scheduled EDR Contact: 08/20/2012
	Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/16/2012
Number of Days to Update: 339	Next Scheduled EDR Contact: 07/30/2012
	Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

EDR Proprietary Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 02/20/2012
Date Data Arrived at EDR: 02/20/2012
Date Made Active in Reports: 03/15/2012
Number of Days to Update: 24

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/20/2012
Next Scheduled EDR Contact: 06/04/2012
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 07/20/2011
Date Made Active in Reports: 08/11/2011
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/17/2012
Next Scheduled EDR Contact: 07/30/2012
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: 01/10/2012
Date Data Arrived at EDR: 02/09/2012
Date Made Active in Reports: 03/09/2012
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/09/2012
Next Scheduled EDR Contact: 08/20/2012
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 01/26/2012
Date Made Active in Reports: 03/06/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/23/2012
Next Scheduled EDR Contact: 08/06/2012
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/27/2012
Next Scheduled EDR Contact: 06/11/2012
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 08/19/2011
Date Made Active in Reports: 09/15/2011
Number of Days to Update: 27

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/19/2012
Next Scheduled EDR Contact: 07/02/2012
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: Rextag Strategies Corp.
Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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 Centers

Source: Department of Human Resources
Telephone: 404-651-5562

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HERITAGE AT GWINNETT
1340 LAWRENCEVILLE HIGHWAY
LAWRENCEVILLE, GA 30046

TARGET PROPERTY COORDINATES

Latitude (North):	33.9366 - 33° 56' 11.76"
Longitude (West):	84.0224 - 84° 1' 20.64"
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	775232.2
UTM Y (Meters):	3758927.0
Elevation:	960 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33084-H1 LUXOMNI, GA
Most Recent Revision:	1999

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 principal 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).

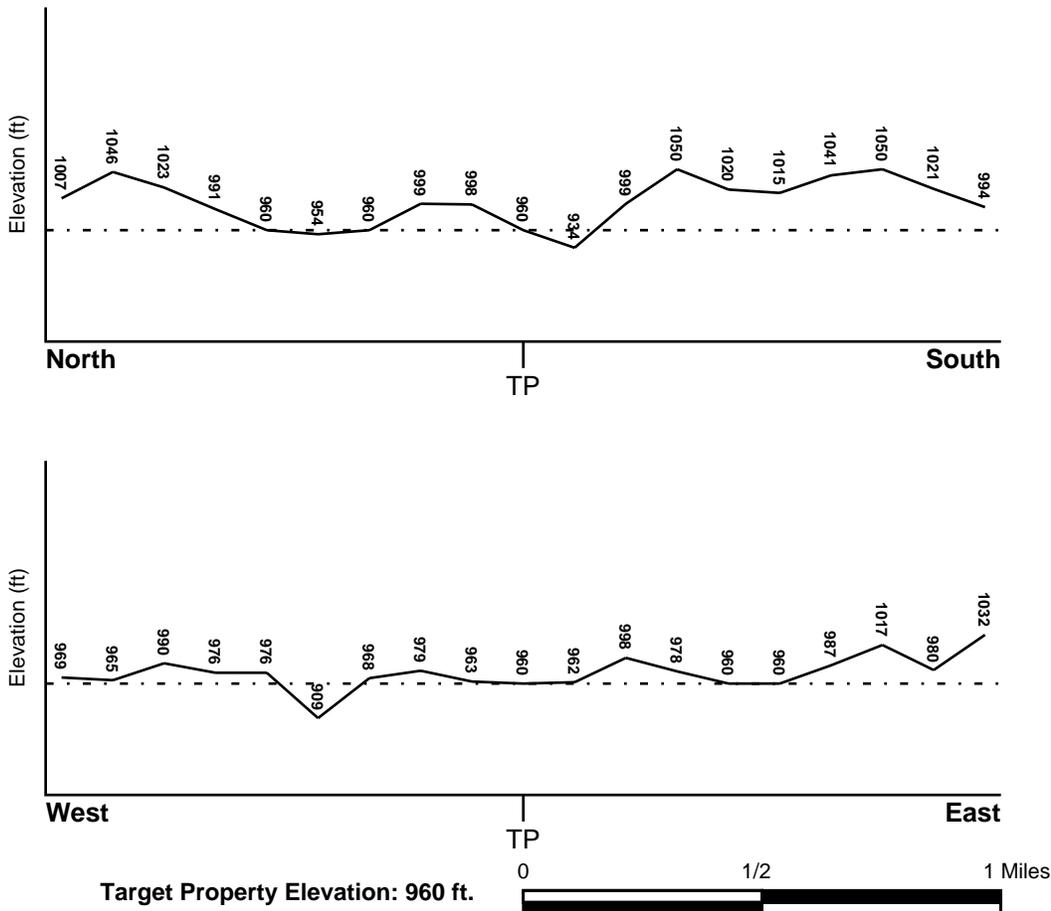
TOPOGRAPHIC INFORMATION

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 NNW

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> GWINNETT, GA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	13135C - FEMA DFIRM Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> LUXOMNI	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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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>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

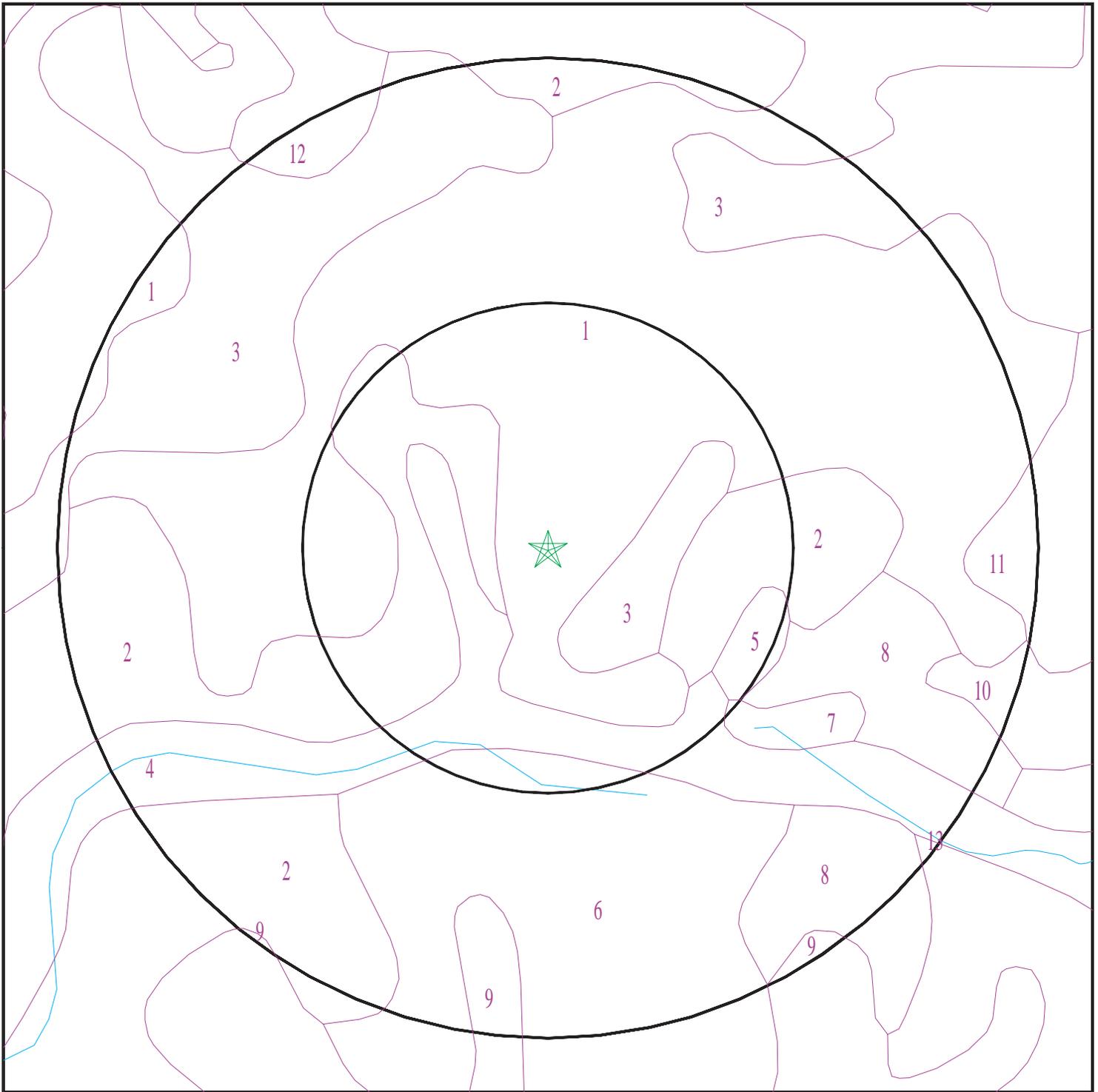
Era: Paleozoic
System: Pennsylvanian
Series: Felsic paragneiss and schist
Code: mm1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic 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 - 3314908.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Heritage At Gwinnett
ADDRESS: 1340 Lawrenceville Highway
Lawrenceville GA 30046
LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
CONTACT: Robert Berry
INQUIRY #: 3314908.2s
DATE: May 14, 2012 3:06 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: Gwinnett

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
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	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: 6.5 Min: 5.1
2	7 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	35 inches	44 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: 6.5 Min: 5.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: Gwinnett

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
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	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: 6.5 Min: 5.1
2	7 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	35 inches	44 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: 6.5 Min: 5.1

Soil Map ID: 3

Soil Component Name: Gwinnett

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	0 inches	7 inches	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: 6.5 Min: 5.1
2	7 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	35 inches	44 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: 6.5 Min: 5.1

Soil Map ID: 4

Soil Component Name: Chewacla

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
2	7 inches	24 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
3	24 inches	33 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 7.8 Min: 4.5
4	33 inches	70 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 7.8 Min: 4.5

Soil Map ID: 5

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 6

Soil Component Name: Pacolet

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
2	3 inches	29 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
3	51 inches	70 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 4.5
4	29 inches	51 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 6 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 7

Soil Component Name: Musella

Soil Surface Texture: stony clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	3 inches	stony clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
2	3 inches	14 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
3	14 inches	18 inches	very gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
4	18 inches	59 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 8

Soil Component Name: Musella

Soil Surface Texture: stony clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	3 inches	stony clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
2	3 inches	14 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
3	14 inches	18 inches	very gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:
4	18 inches	59 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 42 Min: 0.01	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 9

Soil Component Name: Cecil

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: 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	50 inches	75 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	7 inches	11 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
4	11 inches	50 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 10

Soil Component Name: Lloyd

Soil Surface Texture: clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	61 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	0 inches	7 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 4.5

Soil Map ID: 11

Soil Component Name: Lloyd

Soil Surface Texture: clay loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 4.5
2	7 inches	61 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 4.5
3	61 inches	70 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 4.5

Soil Map ID: 12

Soil Component Name: Gwinnett

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
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.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	35 inches	44 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 Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1

Soil Map ID: 13

Soil Component Name: Gwinnett

Soil Surface Texture: loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
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.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
2	7 inches	35 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1
3	35 inches	44 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 Soils.	Max: 14 Min: 4	Max: 6.5 Min: 5.1

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>
A2	USGS2312352	1/8 - 1/4 Mile SE
B3	USGS2312360	1/8 - 1/4 Mile East
B4	USGS2312361	1/8 - 1/4 Mile East
C5	USGS2312349	1/4 - 1/2 Mile ESE
C6	USGS2312348	1/4 - 1/2 Mile ESE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
7	USGS2312363	1/4 - 1/2 Mile WNW
8	USGS2312174	1/2 - 1 Mile NNE
9	USGS2312364	1/2 - 1 Mile WNW
D10	USGS2312367	1/2 - 1 Mile NW
D11	USGS2312368	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

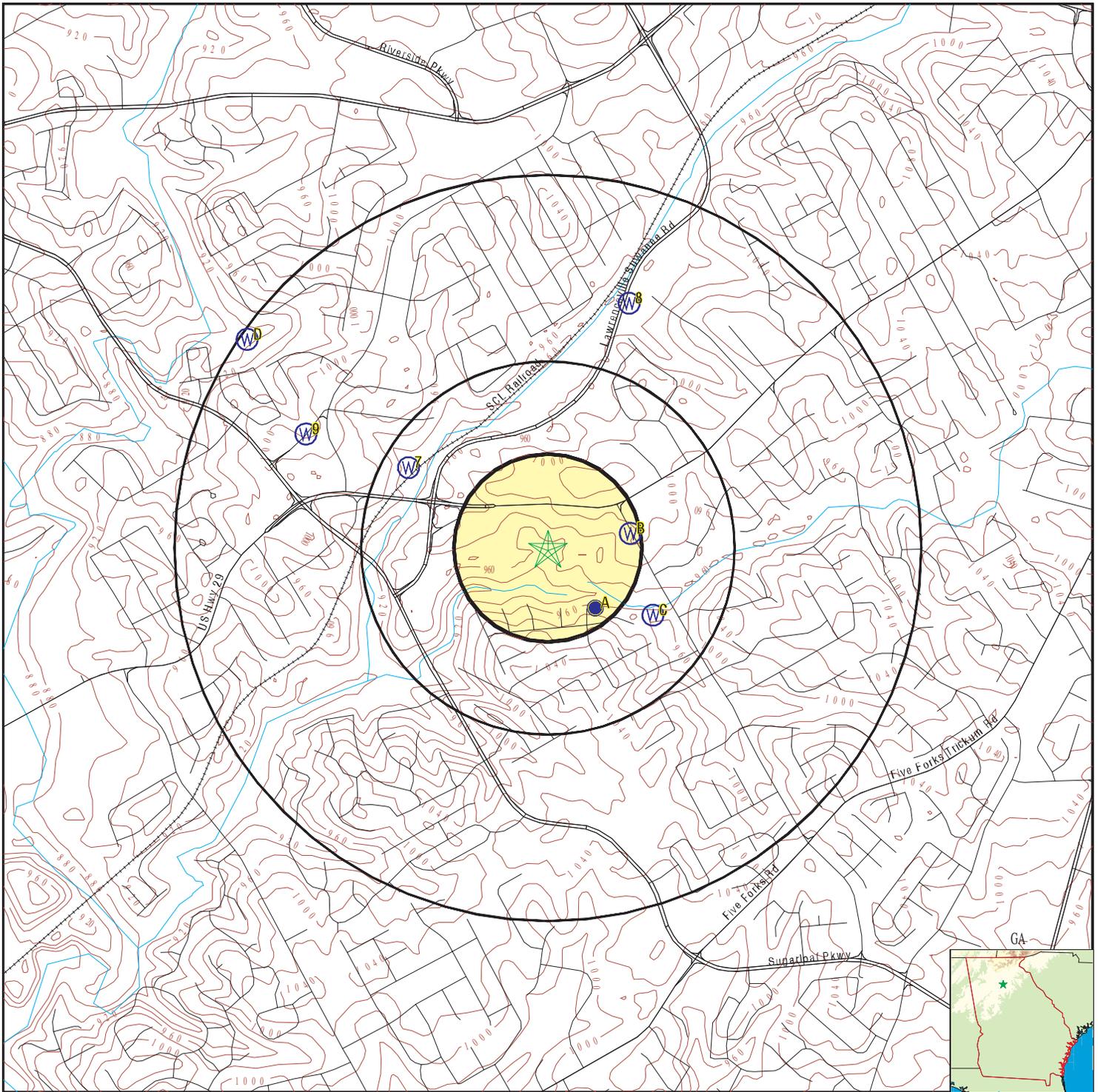
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

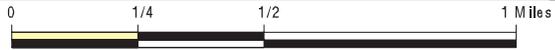
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	0000005740	1/8 - 1/4 Mile SE

PHYSICAL SETTING SOURCE MAP - 3314908.2s



- 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
- Wildlife Areas
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location



SITE NAME: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.2s
 DATE: May 14, 2012 3:06 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

A1
SE
1/8 - 1/4 Mile
Higher

GA WELLS 000005740

Well #:	13FF08	County FIPS:	135
Remarks:	E. A. BARTON		
Latitude:	335603	Longitude:	0840113
Altitude:	940.00	Depth:	143
Depth to bottom of Casing:	11.00	Diameter of Casing:	6.00
Casing Material:	Not Reported	Discharge:	60.00
Type of Openings:	Open hole	Date Built:	197608
Depth to top of this open interval:		11.00	
Depth to bottom of this open interval:		143.00	
Primary Use:	Domestic		
Aquifer:	Not Reported		

A2
SE
1/8 - 1/4 Mile
Higher

FED USGS USGS2312352

Agency cd:	USGS	Site no:	335603084011301
Site name:	13FF08		
Latitude:	335603	EDR Site id:	USGS2312352
Longitude:	0840113	Dec lat:	33.93427051
Dec lon:	-84.02018688	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	LUXOMNI	Map scale:	24000
Altitude:	940.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	010		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	19760801
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	143	Hole depth:	143
Source of depth data:	Not Reported		
Project number:	0451305200		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B3
East
1/8 - 1/4 Mile
Higher

FED USGS USGS2312360

Agency cd:	USGS	Site no:	335614084010701
Site name:	13FF30		
Latitude:	335614	EDR Site id:	USGS2312360
Longitude:	0840107	Dec lat:	33.93722222
Dec lon:	-84.01861111	Coor meth:	G
Coor accr:	S	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	LUXOMNI	Map scale:	24000
Altitude:	1000		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	20030723
Date inventoried:	20030723	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	CRYSTALLINE ROCK AQUIFER		
Well depth:	345	Hole depth:	345
Source of depth data:	reporting agency (generally USGS)		
Project number:	2503-AB201		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2003-07-23	Ground water data end date:	2004-03-04
Ground water data count:	21		

Ground-water levels, Number of Measurements: 21

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
2004-03-04	25.71			2004-01-16	26.54	
2003-12-15	26.55					
2003-11-13						
Note: An obstruction was encountered in the well above the water surface (no water level recorded).						
2003-11-07	26.32			2003-11-05	26.61	
2003-10-29	26.54			2003-10-23	26.54	
2003-10-16	26.37			2003-10-09	26.50	
2003-10-02	26.17			2003-09-24	25.82	
2003-09-18	25.87			2003-09-10	25.82	
2003-09-03	25.95			2003-08-27	25.84	
2003-08-22	25.96			2003-08-12	26.04	
2003-08-06	26.10			2003-07-30	26.34	
2003-07-23	27.96					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B4
East
1/8 - 1/4 Mile
Higher

FED USGS USGS2312361

Agency cd:	USGS	Site no:	335614084010702
Site name:	13FF31		
Latitude:	335613.6	EDR Site id:	USGS2312361
Longitude:	0840106.6	Dec lat:	33.93711111
Dec lon:	-84.0185	Coor meth:	G
Coor accr:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	LUXOMNI	Map scale:	24000
Altitude:	1000		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	20030709
Date inventoried:	20030723	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SURFICIAL AQUIFER		
Well depth:	26.15	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	2503-AB201		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2003-07-23	Ground water data end date:	2004-03-04
Ground water data count:	21		

Ground-water levels, Number of Measurements: 21

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-04	22.12		2004-01-16	22.79	
2003-12-15	22.55				
2003-11-13					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-11-07	22.09		2003-11-05	22.04	
2003-10-29	21.95		2003-10-23	21.83	
2003-10-16	21.72		2003-10-09	21.61	
2003-10-02	21.50		2003-09-24	21.38	
2003-09-18	21.27		2003-09-10	21.34	
2003-09-03	20.98		2003-08-27	20.83	
2003-08-22	20.71		2003-08-12	20.51	
2003-08-06	20.34		2003-07-30	20.13	
2003-07-23	19.92				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C5
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS2312349

Agency cd:	USGS	Site no:	335602084010202
Site name:	13FF25		
Latitude:	335602.71	EDR Site id:	USGS2312349
Longitude:	0840104.00	Dec lat:	33.93408611
Dec lon:	-84.01777778	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	LUXOMNI	Map scale:	24000
Altitude:	921.6		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.5		
Altitude datum:	North American Vertical Datum of 1988		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	20010816
Date inventoried:	20020816	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.3	Hole depth:	16.5
Source of depth data:	reporting agency (generally USGS)		
Project number:	2503-AB201		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2001-10-31	Ground water data end date:	2004-12-17
Ground water data count:	90		

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-17	3.91		2004-11-10	4.65	
2004-11-05	4.71		2004-10-29	5.27	
2004-10-22	5.12		2004-10-15	5.15	
2004-10-08	4.64		2004-10-01	4.06	
2004-09-24	4.14		2004-09-17	2.88	
2004-09-03	5.91		2004-08-05	5.71	
2004-07-27	5.88		2004-07-16	5.79	
2004-07-08	5.31		2004-07-01	5.31	
2004-06-23	4.55		2004-06-17	5.72	
2004-06-10	5.71		2004-06-03	5.73	
2004-05-27	5.56		2004-05-20	5.29	
2004-05-04	4.56		2004-04-29	4.96	
2004-04-22	4.64		2004-04-15	4.19	
2004-04-08	4.54		2004-04-01	4.43	
2004-03-25	4.41		2004-03-18	4.13	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-03-11	4.21		2004-02-25	3.92	
2004-02-19	3.56		2004-02-11	3.71	
2004-02-05	3.69		2004-01-29	3.57	
2004-01-21	4.37		2004-01-15	4.63	
2004-01-08	4.20		2003-12-31	4.22	
2003-12-22	4.12		2003-12-18	3.84	
2003-12-11	3.89		2003-12-04	4.32	
2003-11-26	4.47		2003-11-20	4.06	
2003-11-13	5.09		2003-11-05	5.41	
2003-10-29	5.31		2003-10-23	5.63	
2003-10-16	5.54		2003-10-09	5.46	
2003-10-02	5.38		2003-09-24	5.18	
2003-09-18	5.50		2003-09-10	5.23	
2003-09-03	4.93		2003-08-27	5.07	
2003-08-22	4.82		2003-08-12	4.32	
2003-08-06	4.50		2003-07-30	4.76	
2003-07-23	4.45		2003-07-18	4.56	
2003-07-10	4.21		2003-07-03	2.83	
2003-06-26	4.30		2003-06-20	2.96	
2003-06-12	4.39		2003-06-06	4.71	
2003-06-02	4.59		2003-05-23	2.98	
2003-05-15	4.10		2003-05-08	2.85	
2003-05-01	4.57		2003-04-25	4.22	
2003-04-17	4.48		2003-04-10	4.31	
2003-04-03	4.23		2003-03-27	3.93	
2003-03-21	2.95		2003-03-13	3.95	
2003-03-06	2.40		2003-02-27	3.50	
2003-02-20	3.74		2003-02-13	3.81	
2003-02-06	3.85		2003-01-30	3.45	
2003-01-23	4.51		2001-10-31	6.08	

**C6
ESE
1/4 - 1/2 Mile
Higher**

FED USGS USGS2312348

Agency cd:	USGS	Site no:	335602084010201
Site name:	13FF19	EDR Site id:	USGS2312348
Latitude:	335602	Dec lat:	33.93388889
Longitude:	0840102	Coor meth:	G
Dec lon:	-84.01722222	Latlong datum:	NAD83
Coor accr:	1	District:	13
Dec latlong datum:	NAD83	County:	135
State:	13	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	LUXOMNI		
Altitude:	930.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee, Georgia. Area = 2980 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	20010510
Date inventoried:	20010802	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-03-21	6.60		2003-03-13	7.60	
2003-03-06	7.36		2003-02-27	7.86	
2003-02-20	8.02		2003-02-13	8.05	
2003-02-06	7.96		2003-01-30	7.66	
2003-01-23	8.49		2001-08-02	8.5	

7

**WNW
1/4 - 1/2 Mile
Lower**

FED USGS USGS2312363

Agency cd:	USGS	Site no:	335623084014401
Site name:	13FF23	EDR Site id:	USGS2312363
Latitude:	335623	Dec lat:	33.93972222
Longitude:	0840144	Coor meth:	G
Dec lon:	-84.02888889	Latlong datum:	NAD83
Coor accr:	1	District:	13
Dec latlong datum:	NAD83	County:	135
State:	13	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	LUXOMNI		
Altitude:	908		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Flood plain		
Site type:	Ground-water other than Spring	Date construction:	20010530
Date inventoried:	20010802	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	CRYSTALLINE ROCK AQUIFER		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	451311900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

8

**NNE
1/2 - 1 Mile
Lower**

FED USGS USGS2312174

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	335646084010701
Site name:	13FF22	EDR Site id:	USGS2312174
Latitude:	335646	Dec lat:	33.94611111
Longitude:	0840107	Coord meth:	G
Dec lon:	-84.01861111	Latlong datum:	NAD83
Coord accr:	1	District:	13
Dec latlong datum:	NAD83	County:	135
State:	13	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	LUXOMNI		
Altitude:	962		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20010517
Date inventoried:	20010802	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	CRYSTALLINE ROCK AQUIFER		
Well depth:	600	Hole depth:	600
Source of depth data:	reporting agency (generally USGS)		
Project number:	451311900		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data begin date:	0000-00-00		
Water quality data end date:	0000-00-00		
Water quality data count:	0		
Ground water data begin date:	2001-08-02		
Ground water data end date:	2004-12-17		
Ground water data count:	86		

Ground-water levels, Number of Measurements: 86

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-17	-2.01		2004-11-10	-1.95	
2004-11-05	-2.27		2004-10-29	-1.67	
2004-10-23	-1.75		2004-10-15	-1.66	
2004-10-08	-1.80		2004-10-01	-2.09	
2004-09-24	-1.78		2004-09-03	-1.02	
2004-08-05	-1.34		2004-07-27	-1.23	
2004-07-16	-1.36		2004-07-08	-1.88	
2004-07-01	-1.76		2004-06-23	-1.17	
2004-06-17	-1.18		2004-06-10	-1.18	
2004-06-03	-.98		2004-05-27	-1.24	
2004-05-20	-1.36		2004-05-04	-1.89	
2004-04-29	-1.50		2004-04-22	-1.49	
2004-04-15	-1.79		2004-04-08	-1.52	
2004-04-01	-1.80		2004-03-25	-1.71	
2004-03-18	-1.95		2004-03-11	-2.06	
2004-02-25	-2.14		2004-02-19	-2.44	
2004-02-11	-2.19		2004-02-05	-2.25	
2004-01-29	-2.20		2004-01-21	-1.79	
2004-01-15	-1.87		2004-01-08	-1.92	
2003-12-31	-1.84		2003-12-22	-1.90	
2003-12-18	-2.09		2003-12-11	-2.52	
2003-12-04	-1.91		2003-11-26	-1.74	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-11-20	-2.12		2003-11-13	-1.33	
2003-11-05	-1.19		2003-10-29	-1.20	
2003-10-23	-.78		2003-10-16	-.83	
2003-10-09	-.82		2003-10-02	-.82	
2003-09-25	-.97				
2003-09-03					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-08-27					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-08-22					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-08-12					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-08-06					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-07-30					
Note: An obstruction was encountered in the well above the water surface (no water level recorded).					
2003-07-23	-1.82		2003-07-18	-1.76	
2003-07-10	-1.78		2003-07-03	-2.47	
2003-06-26	-1.65		2003-06-20	-2.93	
2003-06-12	-1.64		2003-06-06	-1.49	
2003-05-23	-1.43		2003-05-15	-0.95	
2003-05-08	-1.43		2003-05-01	-0.49	
2003-04-25	-1.22		2003-04-17	-0.64	
2003-04-10	-0.73		2003-04-03	-0.64	
2003-03-27	-0.89		2003-03-21	-1.41	
2003-03-13	-0.90		2003-03-06	-2.23	
2003-02-27	-1.17		2003-02-20	-.92	
2003-02-13	-.88		2003-02-06	-.82	
2003-01-30	-1.58		2003-01-23	-1.59	
2001-08-02	.15				

9

**WNW
1/2 - 1 Mile
Higher**

FED USGS USGS2312364

Agency cd:	USGS	Site no:	335628084020101
Site name:	13FF29		
Latitude:	335627.7	EDR Site id:	USGS2312364
Longitude:	0840201.2	Dec lat:	33.94102778
Dec lon:	-84.03366667	Coor meth:	G
Coor accr:	1	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	Luxomni	Map scale:	24000
Altitude:	1005		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	20030709
Date inventoried:	20030723	Mean greenwich time offset:	EST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-17	4.46		2004-11-10	4.94	
2004-11-05	4.21		2004-10-29	5.42	
2004-10-23	5.32		2004-10-15	5.15	
2004-10-08	5.24		2004-10-01	4.20	
2004-09-24	5.06		2004-09-17	1.59	
2004-09-03	5.44		2004-08-05	5.55	
2004-07-27	5.48		2004-07-16	5.39	
2004-07-08	5.18		2004-07-01	4.89	
2004-06-23	5.25		2004-06-17	5.53	
2004-06-10	5.46		2004-06-03	5.66	
2004-05-27	5.59		2004-05-20	5.27	
2004-05-04	5.03		2004-04-29	5.39	
2004-04-22	5.32		2004-04-15	4.96	
2004-04-08	5.25		2004-04-01	5.05	
2004-03-25	5.23		2004-03-18	5.05	
2004-03-11	4.98		2004-02-25	4.85	
2004-02-19	4.35		2004-02-11	4.70	
2004-02-05	4.62		2004-01-29	4.49	
2004-01-21	5.28		2004-01-15	5.25	
2004-01-08	5.15		2003-12-31	5.27	
2003-12-22	5.16		2003-12-18	4.90	
2003-12-11	4.51		2003-12-04	5.20	
2003-11-26	5.22		2003-11-20	3.60	
2003-11-13	5.65		2003-11-05	5.69	
2003-10-29	5.52		2003-10-23	5.86	
2003-10-16	5.85		2003-10-09	5.76	
2003-10-02	5.62		2003-09-24	5.30	
2003-09-18	5.77		2003-09-10	5.49	
2003-09-03	5.29		2003-08-27	5.42	
2003-08-22	5.23		2003-08-12	5.05	
2003-08-06	5.07		2003-07-30	5.16	
2003-07-23	4.65		2003-07-18	4.88	
2003-07-10	4.43		2003-07-03	2.16	
2003-06-23	4.89		2003-06-20	2.43	
2003-06-12	5.01		2003-06-06	5.19	
2003-06-02	5.30		2003-05-23	2.61	
2003-05-15	4.69		2003-05-08	2.30	
2003-05-01	5.23		2003-04-25	4.40	
2003-04-17	5.15		2003-04-10	4.90	
2003-04-03	5.00		2003-03-27	4.60	
2003-03-21	2.53		2003-03-13	4.50	
2003-03-06	1.01		2003-02-27	3.95	
2003-02-20	4.55		2003-02-13	4.77	
2003-02-06	4.96		2003-01-30	3.95	
2003-01-23	5.32		2001-08-02	4.12	

D11
NW
1/2 - 1 Mile
Lower

FED USGS USGS2312368

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	335641084021102
Site name:	13FF24		
Latitude:	335640.89	EDR Site id:	USGS2312368
Longitude:	0840211.13	Dec lat:	33.94469167
Dec lon:	-84.036425	Coor meth:	S
Coor accr:	H	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	13
State:	13	County:	135
Country:	US	Land net:	Not Reported
Location map:	LUXOMI	Map scale:	24000
Altitude:	889.4		
Altitude method:	Level or other surveying method		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper Ocmulgee. Georgia. Area = 2980 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	20010816
Date inventoried:	20010816	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.5	Hole depth:	16.5
Source of depth data:	reporting agency (generally USGS)		
Project number:	2503-AB201		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	2001-10-31	Water quality data count:	0
Ground water data count:	90	Ground water data end date:	2004-12-17

Ground-water levels, Number of Measurements: 90

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-12-17	2.89		2004-11-10	3.01	
2004-11-05	2.79		2004-10-29	3.25	
2004-10-23	3.05		2004-10-15	2.75	
2004-10-08	2.70		2004-10-01	2.29	
2004-09-24	2.72		2004-09-17	1.86	
2004-09-03	3.02		2004-08-05	2.92	
2004-07-27	3.00		2004-07-16	3.00	
2004-07-08	2.79		2004-07-01	2.28	
2004-06-23	3.08		2004-06-17	3.18	
2004-06-10	3.13		2004-06-03	3.15	
2004-05-27	3.19		2004-05-20	2.96	
2004-05-04	2.66		2004-04-29	2.95	
2004-04-22	2.89		2004-04-15	2.56	
2004-04-08	2.75		2004-04-01	2.61	
2004-03-25	2.74		2004-03-18	2.65	
2004-03-11	2.54		2004-02-25	2.41	
2004-02-19	2.24		2004-02-11	2.36	
2004-02-05	2.35		2004-01-29	2.37	
2004-01-21	2.71		2004-01-15	2.75	
2004-01-08	2.58		2003-12-31	2.63	
2003-12-22	2.55		2003-12-18	2.39	
2003-12-11	2.39		2003-12-04	2.45	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-11-26	2.61		2003-11-20	2.21	
2003-11-13	2.78		2003-11-05	2.79	
2003-10-29	2.67		2003-10-23	3.00	
2003-10-16	2.94		2003-10-09	2.85	
2003-10-02	2.89		2003-09-24	2.72	
2003-09-18	3.03		2003-09-10	2.88	
2003-09-03	2.72		2003-08-27	2.75	
2003-08-22	2.57		2003-08-12	2.32	
2003-08-06	2.40		2003-07-30	2.21	
2003-07-23	2.24		2003-07-18	2.44	
2003-07-10	4.30		2003-07-03	1.79	
2003-06-26	2.31		2003-06-20	1.78	
2003-06-12	2.36		2003-06-06	2.54	
2003-06-02	2.60		2003-05-23	1.83	
2003-05-15	2.22		2003-05-08	1.99	
2003-05-01	2.73		2003-04-25	2.16	
2003-04-17	2.66		2003-04-10	2.50	
2003-04-03	2.58		2003-03-27	2.41	
2003-03-21	2.10		2003-03-13	2.46	
2003-03-06	1.57		2003-02-27	2.20	
2003-02-20	2.52		2003-02-13	2.57	
2003-02-06	2.59		2003-01-30	2.01	
2003-01-23	2.77		2001-10-31	3.45	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for GWINNETT County: 1

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for GWINNETT COUNTY, GA

Number of sites tested: 44

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.402 pCi/L	89%	11%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.057 pCi/L	89%	11%	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 2003 & 2011 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.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation 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

Georgia Public Supply Wells

Source: Georgia Department of Community Affairs

Telephone: 404-894-0127

USGS Georgia Water Wells

Source: USGS, Georgia District Office

Telephone: 770-903-9100

DNR Managed Lands

Source: Department of Natural Resources

Telephone: 706-557-3032

This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

OTHER STATE DATABASE INFORMATION

RADON

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.

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX H – RECORD OF COMMUNICATIONS AND INTERVIEWS

1. User/applicant interview
2. (abandoned properties) Interview of owners and occupants of neighboring properties
3. Documentation of attempts to interview:
 - a. local fire department
 - b. state or local health department or environmental agency
 - c. local agency responsible for issuance of building permits
 - d. local agency responsible for issuance of groundwater

USER QUESTIONNAIRE

Site Name: Heritage at Lawrenceville

Title and Signature of Person Completing Questionnaire



Thomas Gladis, Business Development, The NuRock Companies

Date: May 28, 2012

The following are a series of questions from ASTM E 1527-05 that must be answered in order to qualify for LLPs under CERCLA. Please provide an answer to each question or attach pertinent information and identify a number for each attachment.

(1.) Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

X No Yes (Describe or attach information) Attachment No. _____

(2.) Are you aware of any Activity and Use Limitations (AULs), such as engineering controls (e.g. engineered caps, foundations, liners, treatment methods, etc. in use to prevent contamination from migrating to surrounding areas), land use restrictions or institutional controls (e.g. administrative measures restricting groundwater use, construction, or property use) that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

X No Yes (Describe or attach information) Attachment No. _____

(3.) Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

X No Yes (Describe or attach information) Attachment No. _____

(4.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

No X Yes (Describe or attach information) Attachment No. _____

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

No Yes (Describe or attach information) Attachment No. _____

(5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

(a.) Do you know the past uses of the property?

X No Yes (Describe or attach information) Attachment No. _____

(b.) Do you know of specific chemicals that are present or once were present at the property?

X No Yes (Describe or attach information) Attachment No. _____

(c.) Do you know of spills or other chemical releases that have taken place at the property?

X No Yes (Describe or attach information) Attachment No. _____

(d.) Do you know of any environmental cleanups that have taken place at the property?

X No Yes (Describe or attach information) Attachment No. _____

(e.) Do you know of any underground or above ground storage tanks at the property?

X No Yes (Describe or attach information) Attachment No. _____

(f.) Are you aware of any previous environmental reports on the property?

No X Yes (Describe or attach information) Attachment No. _____

United Consulting, October 1, 2002 Phase I Report provided by Owner.

(6.) As the User of the ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

X No Yes (Describe or attach information) Attachment No. _____

Department of Fire and Emergency Services

408 Hurricane Shoals Road NE
Lawrenceville, GA 30046-4406
678.518.4800 • fax 678.518.4806
www.gwinnettfire.org



Bill Myers, Fire Chief/Director
Casey Snyder, Assistant Chief
Dan Hansen, Assistant Chief
Jere Jordan, Division Director

May 15, 2012

SUBJECT: Georgia Open Records Act Request
1340, 1304, 1350, 1119, 1000 Lawrenceville Hwy
1510 Grayland Hills Dr & 105 Grayland Place

Dear Robert Berry,

This will respond to your May 7, 2012 request for records pursuant to the Georgia Open Records Act. As required by law, it has been determined that we have no records of any outstanding fire department violations, hazardous material storage, spills or releases, underground/aboveground storage tanks, or fire/hazmat related emergency responses.

As required prior to fulfilling your request, you are notified that the estimated cost of the copying, search, retrieval and other administrative fees authorized by O.C.G.A. 50-18-71 is \$0.00. Gwinnett County, its departments, agencies, boards, bureaus, commissions, authorities, and other similar bodies of Gwinnett County are authorized to collect this charge in any manner authorized by law for the collection of taxes, fees, or assessments owed to the County by O.C.G.A. 50-18-71(g)(1).

You may contact the undersigned at (678) 518-4980 to arrange to inspect and copy requested records and to make arrangements to pay the fee indicated above.

Sincerely,

Misti Holbrook

Misti Holbrook
Administrative Support Associate III
Community Risk Reduction

**APPENDIX I – AUTHOR CREDENTIALS, DOCUMENTATION OF QUALIFICATION
AS AN “ENVIRONMENTAL PROFESSIONAL”**

JIM D. SAILORS, P.E.

**Sailors Engineering Associates, Inc.
1675 Spectrum Drive
Lawrenceville, GA 30043**

EDUCATION

1973 M.S.C.E. Georgia Institute of Technology
1969 B.C.E. Georgia Institute of Technology
Numerous short courses, seminars and conferences on geotechnical and environmental engineering

EXPERIENCE

President, Principal Engineer, Sailors Engineering Associates, Inc.; Responsible for all operations of geotechnical engineering (1984 – Present) and environmental engineering (1987 – Present)

President, Principal Engineer, Federer - Sailors & Associates 1976-1984; Responsible for all operations of geotechnical engineering firm.

Geotechnical Engineer, D.L. Federer & Associates; 1973-1976; Supervised drilling, performed foundation design for structures, dams and highways • Inspected construction projects.

Research Assistant, C.E. Department, Georgia Institute of Technology 1972-1973; Research project for joint sealants funded by HRB • Awarded NSF Traineeship.

Civil Engineer, U.S. Army 1970-1971; Designed, surveyed and inspected Battalion Headquarters Building; barracks and air fields • Army Commendation Medal for service in Korea.

Structural Design Engineer J.Ray McDermott & Company 1969 – 1970; Designed off-shore platforms for drilling and processing units.

Construction Inspector, Transcontinental Gas Pipe Line Company 1968; Inspected construction of pipe line to verify compliance with specifications • Pressure tested completed sections.

PROFESSIONAL REGISTRATION

Alabama	Florida	Kentucky	Michigan	No. Carolina	S. Carolina	Virginia
Arkansas	Georgia	Louisiana	Mississippi	Ohio	Tennessee	

PROFESSIONAL ORGANIZATION MEMBERSHIPS

- American Society of Civil Engineers
- National Groundwater Association –
Association of Ground Water Scientists and Engineers Division
- Society of American Military Engineers

ROBERT D. BERRY, E.I.T.

**Sailors Engineering Associates, Inc.
1675 Spectrum Drive
Lawrenceville, GA 30043**

EDUCATION

1985 B.S. Mineral Engineering, Petroleum, University of Alabama, Tuscaloosa, AL
Numerous industry related Short Courses & Conferences, 1989-1996 Including:

- Assessment and Remediation of Subsurface Petroleum Hydrocarbon Releases: Fundamental Concepts and Field Practices National Groundwater Association, Houston, TX; July 1992
- OSHA 40 Hour Health and Safety Training
8 Hour Supervisors Course; Annual Updates
- Asbestos Building Inspector/Management Planner; Annual Updates
- Wetland Plant Identification Course, Biotic Consultants, Inc. Dr. Robert Mohlenbrock
Atlanta, GA; March 1996

EXPERIENCE

Staff Engineer, Sailors Engineering Associates, Inc., Lawrenceville, GA. April 1988 to present; Managed, supervised and performed hundreds of environmental investigations including many that have required Phase II investigations and site characterizations • Supervised staff of engineers and scientists performing environmental site assessments • Supervised drilling operations on hundreds of sites for geotechnical and environmental investigations including supervision of installation of hundreds of monitoring and recovery wells • Performed wetlands and endangered species surveys • Experienced with field surveying and in situ laboratory equipment • Familiar with EPA chemical laboratory testing requirements and procedures • Performed water system surveys • Performed research for public notification required for CAP submittal • Experienced in sampling methods and protocols • Experienced in site safety plan preparation.

Staff Engineer/Soils Technician, Construction Testing & Engineering, Montgomery, AL. April 1986 - 1988; Performed construction project inspections • Tested materials including soil, concrete and asphalt • Supervised and assisted in drilling investigations • Prepared engineering reports

PROFESSIONAL REGISTRATIONS

- Georgia – Engineer-In-Training #19552, July, 1999

PROFESSIONAL ORGANIZATION MEMBERSHIPS AND AFFILIATIONS

- Member, National Groundwater Association

CERTIFICATIONS:

1990 Managing Asbestos in Buildings
1990 Inspector – Asbestos in Buildings
1986 Nuclear Density Gauge

APPENDIX J – OWNER ENVIRONMENTAL QUESTIONNAIRE

**OWNER ENVIRONMENTAL QUESTIONNAIRE
& DISCLOSURE STATEMENT**

The questionnaire **MUST** be completed and signed by the current property owner, notarized in the spaces indicated and submitted with the application. The Owner must supply and attach evidence of ownership of the property, i.e. a deed. In preparing this document, the property owner must make a good faith effort to correctly answer all questions in this checklist. *Care should be taken to check the answers against whatever records are in the owner's possession.* If any of the following questions are answered in the affirmative, or if answers are unknown and/or qualified, the Environmental Professional must determine whether further inquiry is warranted. A gap in the Owner's knowledge about any item on the questionnaire below does not relieve the Environmental Professional from the requirement that the item be fully addressed in the Phase I Report. The property owner must fully document the reason for any affirmative answer, and provide the Environmental Professional with all appropriate supporting information.

Purchaser: NEW BROCK CORPORATION
(Phone) 404-405-0947
Owner/seller: _____
(Phone) _____
Subject property: Proposed Heritage Senior Living Facility

QUESTIONNAIRE - PART A:

1. Is the property, or any adjacent property, currently used for commercial, industrial or manufacturing purposes including, but not limited to dry cleaners and gas stations? Adjacent properties include those that border the site and properties across the street from the site.

Yes No Unknown

Provide the name and describe the type of business operating at the property:

Provide the name and type of business operating adjacently **north** of the subject property:

Provide the name and type of business operating adjacently **south** of the subject property:

Provide the name and type of business operating adjacently **east** of the subject property:

Provide the name and type of business operating adjacently **west** of the subject property:

2. Has the property or any adjacent property been used in the past for commercial, industrial or manufacturing purposes including, but not limited to, dry cleaners and gasoline stations?

Yes No Unknown (If yes, please describe including its specific use)

Owner:

Date(s):

Current Use of property:

Previous use of property to the **north**:

Previous use of the property to the **south**:

Previous use of the property to the **east**:

Previous use of the property to the **west**:

3. Are there any pesticides, automotive or industrial batteries, paints or other chemicals stored on the property or at the facility?
 Yes No Unknown (If yes, please describe)
4. Are there currently any plastic or metal industrial drums (ranging from 5 to 55-gallons) located on the property or at the facility or were there in the past?
 Yes No Unknown (If yes, please describe)
5. How and where were items identified in Questions #3 & #4 disposed (if any of the specifics are unknown, provide names and present employers of people who may be able to provide additional information)?
N.A
6. Has fill dirt ever been brought onto the site?
 Yes No Unknown (If yes, please describe)
7. Have any substances identified as hazardous, unidentified waste materials, tires, automotive or industrial batteries or any other waste materials, including construction debris, been dumped above grade, buried and/or burned on the site?
 Yes No Unknown (If yes, please describe including where and what disposal took place)
8. Is there any obvious stained soil, or other evidence of past waste disposal on the property?

Yes No Unknown (If yes, please describe including location on the property)

9. (a) Are there any above or underground storage tanks currently located on the property?
 Yes No Unknown (If yes, please describe including location on the property. If no, skip to question #10)

(b) Are the existing storage tanks empty, out of service, or closed?
 Yes No Unknown (If yes, please describe including the date and name of the contractor used, and provide a copy of any report generated)

(c) Have any tanks been removed? (If 'yes' provide information on when, give the name of the contractor used, and provide a copy of any report generated).
 Yes No Unknown (If yes, please describe including date removed and name of contractor used, and provide a copy of any report generated)

10. Are there any prospective buyer(s) in the past that may have conducted an environmental assessment of the subject property.
 Yes No Unknown (If yes, please provide names, addresses, and telephone numbers. Also, provide the name, address and telephone number of **your** Lender on this property. *Attach any past environmental reports you have, or provide information on how to obtain a copy of the report(s) if you do not have them.*

See Phase I Report

11. Does the property discharge waste water (other than storm water) directly to a ditch or stream on or adjacent to the property?
 Yes No Unknown (If yes, please describe)

12. Is the property located near or in an area where conventional fuels (e.g. petroleum products), hazardous gases, (e.g. propane), and/or chemicals (e.g. benzene or hexane) of a flammable nature are stored?
 Yes No Unknown (If yes, please describe)

13. Has there been any health complaints related to the indoor or outdoor air at? on the grounds of the property or any building located on the property?
 Yes No Unknown (If yes, please describe)

14. Does the owner of the property or operator of the facility? have any knowledge of environmental liens or governmental notification (including information requests) relating to violations or potential violations of environmental laws with respect to the property or any facility located on the property?
 Yes No Unknown (If yes, please describe)

15. Has the owner of the property or operator of the facility been informed of the presence of hazardous substances or environmental violations with respect to the property or any facility located on the property?
 Yes No Unknown (If yes, please describe)
16. Are you aware of any environmental assessment of the property that indicated the presence of hazardous substances or petroleum products on, in, at, or under the property site?
 Yes No Unknown (If yes, please describe)
17. Are you aware of any environmental assessment of the subject property that has recommended further assessment or testing of the property?
 Yes No Unknown (If yes, please describe)
18. Are there any past, current, or pending lawsuits or administrative proceedings for alleged damages related to environmental issues or problems involving the property or any owner or tenant of the property?
 Yes No Unknown (If yes, please describe)
19. Have pesticides, herbicides, or other agricultural chemicals ever been stored on, mixed on, or applied to the property?
 Yes No Unknown (If yes, please describe)

QUESTIONNAIRE - PART B:

1. Are there any structures on the property site more than fifty (50) years old, or (is the property) located in a designated historic district?

Yes No Unknown (If yes, please describe & submit photographs of all interior rooms and exterior facades, and include a copy of the proposed rehabilitation work scope and a location map.)

2. Is the property site located in a 100-year floodplain?

Copy the portion of floodplain map indicating the site location. Attach a copy of the Flood Plain Map and include panel number on the copy.

Yes No Unknown (If yes, please describe below.)

See MAP

3. Does the site have the potential to affect or be affected by?

	Yes	No
a. Coastal Areas Protection and Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Runway Clear Zones & Accident Potential Zones	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Endangered Species	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Farmland Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Compatibility with Local Codes, Plans and Zoning	<input type="checkbox"/>	<input type="checkbox"/>
f. Wetlands Designated Land	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. Thermal & Explosive Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h. Toxic Chemicals & Radioactive Materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Solid Waste Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. Local Zoning Plans Compatibility	<input type="checkbox"/>	<input type="checkbox"/>

- see MAP

(If yes to any, please describe.)

4. Is the site within 1,000 feet of a major road/highway/freeway (i.e. a roadway which experiences an average daily traffic count of 10,000 or greater)?

Yes No Unknown

If yes, the following must be completed:

- What is the name of the major road/highway/freeway? Lawrenceville Hwy
- List the distance of any stop sign (not a traffic signal) that is less than 600 feet from the site _____
- What is the average speed of travel on this major road/highway/freeway?
55 mph
- List the average number of automobiles for both directions during a 24-hour day 23,000
- List the average number of trucks for both directions during a 24-hour day
160

Generally, much of this information can be obtained through the City/County Highway or Transportation Department

5. Is the site within 3,000 feet of a railroad?

Yes No Unknown

If yes, the following must be completed:

- What is the name of the railway operating on this line? CSX
- List the average number of trains for both directions during a 24-hour day
20
- List the average number of diesel locomotives per train 2
- List the average number of railway cars per train 30
- List the average train speed 35 mph
- Is the track welded or bolted? welded
- Is the site near a grade crossing that requires prolonged use of the train's horn? Yes No (If no, skip to question # 6)
- How far from the grade crossing are the whistle posts located? _____

Generally, much of this information can be obtained by contacting the Supervisor of Customer Relations and/or the Engineering Department for the railway

6. Is the site within 15 miles of a military airport?

Yes No Unknown (If yes, please attach a copy of the airport's current noise contour information.) *This information is available for most military airports and can be generally obtained by contacting the Military Agency in Charge of Airport Operations.* If noise contours are not available, please obtain the following:

- List the average number of nighttime jet operations (10 p.m.-7 a.m.)

- List the average number of daytime jet operations (7 a.m. – 10 p.m.)

- List the flight paths of the major runways

7. Is the site within 5 miles of a private/commercial airport or airfield?

Yes No Unknown (If yes, please attach a copy of the airport's current noise contour information. This information is available for most private/commercial airports and can be obtained by contacting the FAA Control Tower or Airport Operations. If noise contours are not available, please obtain the following information)

- List the average number of nighttime jet operations (10 p.m. - 7 a.m.)

- List the average number of daytime jet operations (7 a.m. – 10 p.m.)

- List the flight paths of the major runways

QUESTIONNAIRE - PART C:

Valuation Reduction: Relationship of the purchase price to the fair market value of the property, if it were not contaminated:

1. Have you identified the type of property transaction (for example-- sale, purchase, ground lease, etc.) to the Environmental Professional?

Yes No (If yes, please describe)

SALE

2. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

Yes No (If no, have you considered whether the lower purchase prices is because contamination is known or believed to be present at the property?)

CERTIFICATION

This questionnaire above was completed by:

Owner/Developer Name: Charles Cassady
 Relationship to Site: Myra Cassady
owners
 Address: 1340 Lawrenceville Hwy
Lawrenceville, Ga 30046
 E-mail Address: myracassady.realtor@gmail.com
 Phone Number: 404-702-0930
 Date of Completion: 5-31-12

I certify to the best of my knowledge and belief that the above statements and facts submitted are true, accurate and complete.

Signed, sealed and delivered this 31st day of May, 2012, in the

Presence of:

Mike Beorne
 Witness

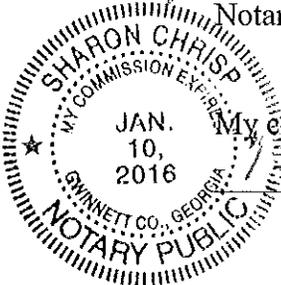
By:

Charles Cassady
Myra Cassady
 Property Owner

Sharon Christ
 Notary Public

Charles Cassady
Myra Cassady
 Name

Title



My commission Expires on: 1-10-2016

(Notarial Seal)

APPENDIX K – PROPERTY LOG AND INFORMATION CHECKLIST

PROPERTY LOG AND INFORMATION CHECKLIST

This form **MUST** be completed by the Qualified Environmental Professional who performed the Phase I and/or Phase II Reports. All entries must be fully documented and explained in the environmental reports. This form, together with all supporting documentation relating to the Phase I, must be submitted to DCA before any application can be accepted for processing.

PROPERTY LOG

Property Address: Proposed Heritage at Gwinnett Senior Living Facility
1340 Lawrenceville Highway
Lawrenceville, Georgia

Developer's Name and Address: The NuRock Companies
3460 Preston Ridge Road – Suite 175
Alpharetta, Georgia 30005

Developer's e-mail Address: Tom Gladis [tgladis@nurock.com]

Developer's Telephone Number: 770-552-8070

Qualified Environmental Professional's Name: Robert D. Berry

Qualified Environmental Professional's Telephone Number and e-mail address:
770-962-5922
bob_berry@sailors-engineering.com

Environmental Consulting Firm's Name and Address: Sailors Engineering Associates, Inc.
1675 Spectrum Drive
Lawrenceville, Georgia 30043

Date Phase I Environmental Site Assessment Completed:
June 1, 2012

Summary of Phase I Results:

INFORMATION CHECKLIST

Check [] any information sources used to perform the Phase I Review.

1. Overall Property Description

- Building Specifications
- Zoning or Land Use Maps
- Aerial Photos (e.g., Sanborn)
- List of Commercial Tenants On-Site
- Title History
- Site Survey
- Verification of Public Water and Sewer
- Interviews with Local Fire, Health, Land Use or Environmental Officials
- Interviews with Builder, and/or Property Manager
- Review of records of local, state and federal regulatory agencies
- Review of adjacent properties
- Other (Specify)

2. Asbestos

- Dated Building Construction or Rehabilitation Specifications
- Engineer's/Consultant's Asbestos Report
- Other (Specify)

3. Polychlorinated Biphenyls

- Utility Transformer Records
- Site Survey of Transformers
- Site Soil and Groundwater PCB Test Results
- Other (Specify)

4. Radon

- Water Utility Records
- Gas Utility Records
- On-Site Radon Test Results
- Other (Specify) EDR Radon Database for subject zip code

5. Underground Storage Tanks

- Oil, Motor Fuel and Waste Oil Systems Reports, EPD, LUST & ERNS Records
- CERCLIS/RCRIS Results of Neighborhood search (within radius of one mile)
- Site Soil and Groundwater Tests
- Site Tank Survey
- Other (Specify)

6. Waste Sites

- CERCLIS/RCRIS Results of Neighborhood search (within radius of one mile)
- State EPD site lists for neighborhoods (within radius of one mile)
- Federal Facilities Docket
- Site Soil and Groundwater Test Results
- Other (Specify)

7. Lead Based Paint

- Lead Paint Survey
- Certification/Compliance Records
- Site Soil Test Results
- Other (Specify)

8. Additional Hazards

- Urea Formaldehyde Foam Insulation Survey
- Interior Air Test Results
- Lead in Drinking Water Test Results
- Mold Inspection Results
- Other (Specify)

Checklist completed by: Robert D. Berry

Name (Type or Print): Robert D. Berry

Date: June 1, 2012

APPENDIX L – PROOF OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

JOB#

DATE (MM/DD/YYYY)

5/31/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Crow Friedman Group of Georgia, Inc. 1255 Lakes Pkwy Bldg 100 Suite 120 Lawrenceville, GA 30043 (678) 690-5990	CONTACT NAME: Beth A. Eaton, CIC PHONE (A/C, No, Ext): 678-690-5990 FAX (A/C, No): 678-690-5992 E-MAIL ADDRESS: beth@crowfriedman.com PRODUCER CUSTOMER ID #: SAILENG-01																				
	<table border="1"> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A :</td> <td>XL Specialty Insurance Company</td> <td>37885</td> </tr> <tr> <td>INSURER B :</td> <td></td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	XL Specialty Insurance Company	37885	INSURER B :			INSURER C :			INSURER D :			INSURER E :			INSURER F :	
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INSURER B :																					
INSURER C :																					
INSURER D :																					
INSURER E :																					
INSURER F :																					
INSURED Sailors Engineering Associates, Inc. 1675 Spectrum Drive Lawrenceville, GA 30043																					

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE	\$
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
							MED EXP (Any one person)	\$
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$
							PRODUCTS - COMP/OP AGG	\$
								\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
								\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DEDUCTIBLE RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
								\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below N / A						WC STATUTORY LIMITS	OTHER
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$
A	Professional Liability			DPR9701721	5/1/2012	5/1/2013	Each Claim	\$2,000,000
A	Professional Liability			DPR9701721	5/1/2012	5/1/2013	Annual Aggregate	\$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER Georgia Housing and Finance Authority (GHFA) and DCS 60 Executive Park South NE Atlanta, GA 30329-	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 



CERTIFICATE OF LIABILITY INSURANCE

SAILO-1

OP ID: AR

DATE (MM/DD/YYYY)

05/31/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER SSI: Toccoa Insurance Agency Division of Southern States Inc P. O. Box 400 (230 N. Sage St Toccoa, GA 30577 Jim Januzelli	706-886-2105	CONTACT NAME:	
		PHONE (A/C, No, Ext):	FAX (A/C, No):
		E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Builders Insurance Group	
INSURED Sailors Engineering Associates Jim Sailors/Sherry Kemp 1675 Spectrum Drive Lawrenceville, GA 30043		INSURER B: Columbia Insurance Group	19640
		INSURER C:	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC	X		CMPGA22296	06/01/12	06/01/13	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Emp Ben. \$ 1,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS Compre 500 Coll 500	X		CAPGA22296	06/01/12	06/01/13	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X		CUPGA22296	06/01/12	06/01/13	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WCV 0021708 05	05/01/12	05/01/13	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000
B	Property Section			CMPGA22296	06/01/12	06/01/13	Leased/R Equipment 100,000 \$1000 Ded

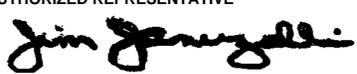
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Certificate Holder is shown as Additional Insureds: Georgia Housing & Finance Authority (GHFA) and DCA

Thirty day prior written notice of cancellation will be provided

CERTIFICATE HOLDER

CANCELLATION

GEORG71 Georgia Housing & Finance Authority and DCA 60 Executive Park South NE Atlanta, GA 30329	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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APPENDIX M – LETTERS OF REFERENCE

COLUMBIA PROPERTIES INCORPORATED

BUILDING 1478 SLITE 200
1355 TERRELL MILL ROAD
MARIETTA, GEORGIA 30067-9483
(770) 953-6262
FAX: (770) 953-4308

February 11, 2004

TO WHOM IT MAY CONCERN:

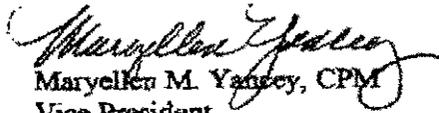
Columbia Properties Incorporated has utilized the services of Sailors Engineering for the last 15 years. The work they perform for Columbia includes Phase I Environmental Site Assessments, Geotechnical Investigations, testing for contaminated sites and consulting on new environmentally friendly technologies for dry cleaners.

They established a program to help us monitor our existing dry cleaning plants as to their compliance with government regulations.

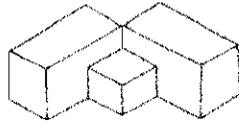
We enjoy our working relationship with Sailors Engineering as we have found their staff to be responsive, professional and experienced. We would recommend their firm.

Sincerely yours,

COLUMBIA PROPERTIES INCORPORATED


Maryellen M. Yancey, CPM
Vice President

COMMERCIAL REAL ESTATE DEVELOPMENT



MCWHIRTER REALTY CORP.

October 28, 2002

TO WHOM IT MAY CONCERN:

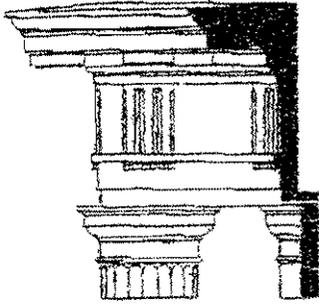
We have utilized the environmental consulting services of Sailors Engineering since the early 1990's. The scope of their work ranges from Phase I Environmental Studies to extensive subsoil and ground water testing for contaminated sites. To date, they have performed this work on more than twenty-five (25) projects for our company.

Sailors Engineering employs confident, professional and experienced engineering and environmental consultants, and I would strongly endorse their services. In the case of our company, we will continue to use them as our environment consultant.

Sincerely,

Barry E. McWhirter
President and CEO

DEVELOPMENT • BROKERAGE • MANAGEMENT
4045 ORCHARD ROAD • BUILDING 400
ATLANTA, GEORGIA 30086
770 • 955 • 2000 • FAX 770 • 933 • 2707



**CARTER WATKINS
ASSOCIATES
ARCHITECTS, INC.**

DATE: October 10, 2002

TO: **SAILORS ENGINEERING ASSOCIATES, INC.**
1675 Spectrum Drive
Lawrenceville, Georgia 30043

FROM: Bea M. Carter, Architect

RE: **SAILORS ENGINEERING ASSOCIATES, INC.**

Carter Watkins Associates has worked with Sailors Engineering over the past ten years on many different types of projects. We have always had a very courteous and professional response from the entire staff at Sailors and have always had work completed in a very timely manner.

We have been especially pleased with the level of work provided in the Environmental Assessments. The work has been thorough and accurate. We have dealt with many difficult sites in historic downtowns as well as in rural areas and Sailors has always been able to complete the required research and testing no matter what the conditions.

The Geo-technical work that Sailors has performed has also always been timely and accurate.

With this in mind, we would wholeheartedly recommend Sailors to anyone who is considering using their services.

Should anyone like any additional information, please have them contact us.

Thank you for your time in this matter.

Sincerely,
CARTER WATKINS ASSOCIATES ARCHITECTS, INC.

Bea M. Carter, Architect

c: File

APPENDIX N – ENVIRONMENTAL CERTIFICATION

ENVIRONMENTAL CERTIFICATION

The undersigned being first duly sworn on oath do certify to the Georgia Department of Community Affairs (DCA)/Georgia Housing and Finance Authority (GHFA) that the statements contained in this certification are true and correct. The undersigned also acknowledge that deviations from the requirements contained in the certification and checklist could result in scoring deductions (Page, Section and/or Appendix numbers must be included for each item).

Project Name: HERITAGE AT GWINNETT

Project Location: 1340 LAWRENCEVILLE HIGHWAY LAWRENCEVILLE, GA

Page/Sec./App.

- | | |
|--|-------------------------|
| 1. The Phase I Report for the above referenced project has been prepared according to the applicable DCA required format. | <u>1 / 1.0 / NA</u> |
| 2. The Phase I Report and/or update was performed under the supervision of an "Environmental Professional" as defined in 40 C.F.R. § 312.10(b) (hereinafter referred to as an Environmental Professional). <i>Résumés describing the qualifications of all personnel involved with the Phase I environmental site assessment must be included.</i> | <u>8 / 2.4 / I</u> |
| 3. The Environmental Professional is not affiliated with the Owner/developer or a buyer or seller of the project. | <u>1 / 1.0 / NA</u> |
| 4. The Phase I Report and/or update was prepared less than 180 days prior to Application submission and within 30 days of the site reconnaissance. In addition, the date of the Report appears on the cover page of the Report. | <u>24 / 5.1 / COVER</u> |
| 5. The Georgia Housing and Finance Authority and DCA have the right to rely upon the Phase I and/or Phase II Report prepared for the property in the same way as the Owner, client and any other authorized users of the Report(s). | <u>1 / 1.0 / NA</u> |
| 6. The Phase I Report was prepared in accordance with the applicable ASTM and DCA standards. | <u>1 / 1.0 / NA</u> |
| 7. The Environmental Professional employed by the consulting firm has supervised the performance of the Phase I, reviewed, signed and stamped both the Phase I and Phase II Reports (if applicable) and any amendments, addenda and updates thereto. | <u>COVER</u> |
| 8. The Environmental Professional has included a comprehensive historical review of the subject property back to 1940 or the property's first developed use, whichever is earlier. | <u>35 / 5.5 / C</u> |
| 9. The Phase I includes the professional opinion of the Environmental Professional as to any potential environmental risks and as to any recognized environmental conditions identified during the comprehensive historical review. | <u>34 / 5.5 / NA</u> |

Project Name: HERITAGE AT GWINNETT

Project Location: 1340 LAWRENCEVILLE HIGHWAY LAWRENCEVILLE, GA

Page/Sec./App.

10. The Environmental Professional has:

* Commercial General Liability insurance, total combined single limits of \$1,000,000.00 per occurrence and \$2,000,000.00 in the aggregate; App. L

* Professional Errors and Omissions Insurance with limits of \$2,000,000.00 each claim and \$2,000,000.00 in the aggregate with coverage extended to include third party liability for death, bodily injury, diminution of value of property and property damage. App. L

* Pollution Liability Insurance with limits of \$2,000,000.00 each claim and \$2,000,000.00 in the aggregate. App. L

11. The Georgia Housing and Finance Authority and DCA have been named as 1) additional insureds and 2) certificate holders on the Accord 25 form (the required insurance certificate) for the commercial liability insurance policy. App. L

12. A 30 day cancellation period is included on the insurance certificate. App. L

13. The Owner Environmental Questionnaire & Disclosure Statement has been completed by the current Owner of the property and included in the Phase I Report. App J

14. The completed Phase I Documentation: DCA Property Log and Information Checklist has been completed by the Environmental Professional and included in the Phase I Report. App K

15. If required, the HOME and HUD Environmental Questionnaire is completed and included in the Phase I Report (includes projects applying for HOME funds and projects with other HUD funding sources listed, including PBRA). NA

16. If, in accordance with Section II.B.5.b. of the DCA standards, a noise assessment is required, then the Report includes a noise assessment which was completed in accordance with the HUD Noise Assessment Guidelines (“NAG”) and 24 C.F.R § 51.100 *et seq.* (applies to all projects, whether or not HUD funds are included in the financial structure). 30 / 5.4.22 / F

17. In cases of elevated noise levels, the Report includes a noise attenuation plan completed in accordance with the HUD Noise Assessment Guidelines (“NAG”) and 24 C.F.R § 51.100 *et seq.* (applies to all projects, whether or not HUD funds are included in the financial structure). NA

Project Name: HERITAGE AT GWINNETT

Project Location: 1340 LAWRENCEVILLE HIGHWAY LAWRENCEVILLE, GA

Page/Sec./App.

18. The Environmental Consultant Signature Page has been signed by the Environmental Professional, the Principal of the Consultant, and the Professional Engineer or Professional Geologist and has been stamped by the Professional Engineer or Professional Geologist. The Environmental Consultant Signature Page is included in the Phase I Report and/or Phase II Report.

COVER

Applicant Signature

Date



June 1, 2012

Environmental Professional Signature & Stamp

Date



APPENDIX O – CONSUMER CONFIDENCE REPORT ON WATER QUALITY

Este informe contiene información muy importante. Tradúscala o hable con alguien que lo pueda entender.



Lake Lanier provides excellent water

Gwinnett County receives its surface water supply from Lake Sidney Lanier located just north of Buford. Our water intakes, located in coves three miles from Buford Dam, provide a uniform raw water supply that is low in suspended materials, bacteria, dissolved organics, and metals.

Lake Lanier, formed by Buford Dam holding the Chattahoochee and Chestatee Rivers, is a major recreation area in north Georgia. In fact, it is one of the most-visited U.S. Army Corps of Engineers projects in the country and offers opportunities for boating, fishing, and other water pastimes. People throughout the region enjoy Lanier and its plentiful recreation opportunities. Lake Lanier is key in providing water to Georgia, since more than 60 percent of Georgia's population receives drinking water from the Chattahoochee system. The Lake Lanier watershed comprises more than 1,000 square miles in 10 Georgia counties.

The watershed contains heavily forested areas and smaller cities. Additionally, agriculture is the primary activity in the watershed.



Gwinnett focuses on water conservation

Gwinnett County's Water Conservation Plan includes programs and initiatives designed to educate our customers and the community about water efficient behaviors and to safeguard our future water supply. Our efforts include public outreach activities, rebates, and incentives for replacing older fixtures and efficient water management practices throughout the County. In 2011, average single-family household water use in Gwinnett County dropped to 176 gallons per day, down from 179 gallons in 2010. DWR plans to continue working with our customers to reduce this number even further in 2012.

Public outreach

The Department of Water Resources (DWR) developed **Homeowner H2O** to educate Gwinnett County residents about water conservation. The presentations focus on leak detection and repair, installing water-efficient fixtures, and increasing water-saving behaviors inside and outside the home. Department representatives are available to speak to homeowners associations, civic clubs, and other community groups. *Homeowner H2O* conservation workshops are also offered to the public several times a year to help all our customers learn how to reduce their water bills.

In May 2011, DWR launched a school outreach program called **Water on Wheels** to target primary education. These classroom-based programs are available to travel to schools throughout Gwinnett County. Students participate in engaging hands-on lessons that teach the importance of water conservation and foster attitudes that inspire lifelong water efficient behaviors. All *Water on Wheels* lessons support Academic Knowledge and Skills standards for science. Programs are also available to Gwinnett County scouts, summer camps, libraries, and recreation centers. To date, more than 3,600 students have received hands-on water conservation education through the *Water on Wheels* program.

To schedule an educational program for your group, contact Heather Moody at dwrconserve@gwinnettcounty.com or 678.376.6722. All public outreach programs are offered **free of charge** to Gwinnett County residents, schools, and businesses.

...continued page 3

2011 Detected Contaminants

PRIMARY INORGANIC SUBSTANCES							
Substance	Units	MCL	MCLG	Highest Level Detected	# of sample sites found above the Action Level	Violation (yes/no)	Source of Substance
Copper	ppm	AL=1.3	1.3	0.164	0	No	Corrosion of household plumbing systems, erosion of natural deposits; leaching from wood preservatives
Lead	ppb	AL=15	0	2.0	0	No	Corrosion of household plumbing systems, erosion of natural deposits

UNREGULATED VOLATILE ORGANIC SUBSTANCES							
Substance	Units	MCL	MCLG	Water System Results	Violation (yes/no)	Source of Substance	
Bromodichloromethane	ppb	None Established	None Established	2.5	No	By-product of drinking water chlorination	
Chloroform	ppb	None Established	None Established	5.5	No	By-product of drinking water chlorination	

PRIMARY INORGANIC SUBSTANCES							
Substance	Units	MCL	MCLG	Water System Results	Violation (yes/no)	Range of Detections	Source of Substance
Fluoride	ppm	4.0	4.0	0.78	No	0.70 – 0.80	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Nitrate/Nitrite	ppm	10.0	10.0	0.51	No	<0.2 – 0.51	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

DISINFECTION BY-PRODUCTS							
Substance	Units	MCL	MCLG	Average	Violation (yes/no)	Range of Detections	Source of Substance
Total Trihalomethanes	ppb	80	0	22.3	No	9.2 – 25.5	By-product of drinking water chlorination
Total Haloacetic Acids	ppb	60	0	18.3	No	11.0 – 13.3	By-product of drinking water chlorination
Bromate	ppm	0.01	0	<0.005	No	<0.005 – 0.0051	By-product of drinking water chlorination

TURBIDITY							
Substance	Units	MCL	MCLG	Highest Level Detected	Lowest % of Samples Meeting Limits	Violation (yes/no)	Source of Substance
Turbidity	NTU	TT	N/A	0.290	100	No	Soil Runoff

MICROBIOLOGICAL				
Substance	MCL	MCLG	Highest Monthly % of Positive Samples	Major Sources in Drinking Water
Total Coliform bacteria	No more than 5% of monthly samples can test positive for Coliforms	0.0	0.8	Naturally present in the environment

Water conservation ...continued from page 1

Rebates and incentives

Gwinnett County will continue participation in the Metro Water District's **Toilet Rebate Program** for single-family homes in 2012. The program provides rebates to qualified homeowners for replacing old, inefficient toilets. In March 2012, DWR rebated our 10,000th toilet through this program! Details about the single family toilet rebate program are available by calling 404.463.8645 or at www.northgeorgiawater.org/html/392.htm.

As of January 2012, Water Resources extended its successful high-efficiency toilet rebate program to multifamily residences. Apartment, condominium, and townhome communities that are Gwinnett County water customers may now qualify for a \$100 rebate for every old toilet replaced with a WaterSense certified toilet using 1.28 gallons per flush or less. For details about the new multifamily toilet rebate program, e-mail dwrconserve@gwinnettcountry.com or call 678.376.6722.

Toilet Recycling is now available at the Water Resources Central Facility. Residents in Gwinnett County who replace their old toilets through the Metro Water District's toilet rebate program can drop them off to be recycled for free. The porcelain is recycled by breaking it up, mixing it into stone aggregate, and using the mixed material as road base and for pipe beds. Since the program began in February 2011, the County has collected an average of four tons of porcelain every month. As of March 2012, the program has kept more than 100,000 pounds of waste out of the landfills! In addition, building owners are required to recycle their old toilets in order to qualify for the new Multifamily Toilet Rebate Program.

Is your house as water-efficient as it can be? **Do it Yourself Household Water Audit** brochures are available to assist water customers in reducing their water bills. This simple step-by-step guide will help residents understand how much water they use, identify leaks, and use less water around the home.

Free low-flow home retrofit kits and toilet leak detection kits are also available at the billing counter at DWR's Central Facility on Winder Highway.

Efficient water management

Through best management practices such as an aggressive leak-detection program, a pricing structure that encourages water conservation, and a range of progressive County ordinances, the Department of Water Resources strives to maximize water efficiency and serve as a water conservation leader in the region. Gwinnett has also made a concerted effort to reduce water usage in County-owned facilities. All departments have taken positive steps to conserve water, such as discontinuing irrigation and car washing and installing water-efficient fixtures.

Since the program began in 2003, Gwinnett County has been a pioneer of reclaimed water use for the state of Georgia. At the state-of-the-art **F. Wayne Hill Water Resources Center**, wastewater undergoes a stringent treatment process that cleans it to an almost pristine state before discharge to the Chattahoochee River or Lake Lanier. Reclaimed water also is available to commercial customers for landscape irrigation and other nonpotable uses. In 2011, 180 million gallons of reclaimed water was distributed to customers and over nine billions gallons of highly quality effluent was returned to Lake Lanier.

To learn more about water conservation in Gwinnett County, please visit www.gwinnetth2o.com or send an e-mail to dwrconserve@gwinnettcountry.com.

Public Input Opportunities

The Gwinnett County Water and Sewerage Authority, which owns the Water Resources water and wastewater system, acts as an advisory agency to the Gwinnett County Board of Commissioners. The Authority meets monthly at the DWR Central Facility. For a schedule of meetings, visit the County's website at www.gwinnettcountry.com.

Action Level (AL)

The concentration of a contaminant, which, if exceeded, triggers a treatment or other requirement that a water system must follow.

Nephelometric Turbidity Unit (NTU)

A measure of suspended material in water. Turbidity is measured by shining a beam of light through water and measuring the angle at which the light is scattered by the suspended material. An instrument called a *Turbidimeter* is used for this purpose.

Treatment Technique (TT)

A required process intended to reduce the level of a contaminant in drinking water.



Glossary

PPM and PPB

Simply put, "ppm" means "parts per million" and "ppb" means "parts per billion." PPM corresponds to one penny in \$10,000 or one minute in two years. PPB corresponds to one penny in \$10,000,000 or one minute in 2,000 years.

Maximum Contaminant Level Goal (MCLG)

The level of a known contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Contaminant Level (MCL)

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Notes About Contaminants

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of land or through the ground, it dissolves naturally occurring minerals and, in some cases, can pick up substances resulting from the presence of animal or human activity. Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from septic systems, agriculture, livestock operations, wildlife, and sewage treatment plants
- **Pesticides and herbicides** that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses
- **Organic chemical contaminants**, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems
- **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil or gas production, mining, or farming
- **Radioactive contaminants**, like radon, can be naturally occurring or be the result of oil and gas production and mining activities

In order to ensure that tap water is safe to drink, the EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which provide the same protection for public health.

A note about lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Gwinnett Department of Water Resources is responsible for providing high quality drinking water, but it cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the **Safe Drinking Water Hotline**, 800.426.4791, or at www.epa.gov/safewater/lead.

Looking for the Gwinnett County Connection?

The *Gwinnett County Connection* will be in your water bills in May. You can still receive a copy of the April Connection and other weekly e-mail newsletters through our e-mail distribution. Sign up to receive the newsletters at www.gwinnettcountry.com.

Contaminants and health risks

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the EPA's **Safe Drinking Water Hotline**, 800.426.4791.

Important health information

Some people may be more vulnerable to contaminants in drinking water than the general population.

Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, and some elderly and infants can be particularly at risk from infections. These people should seek advice about drinking water from their healthcare providers.

EPA/CDC guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the **Safe Drinking Water Hotline**, 800.426.4791.

For more information

For additional information or questions about this report, contact the Gwinnett County Department of Water Resources Environmental Laboratory at 770.614.2080. Director of Water Production Alan Berg may be reached at 770.904.3200.

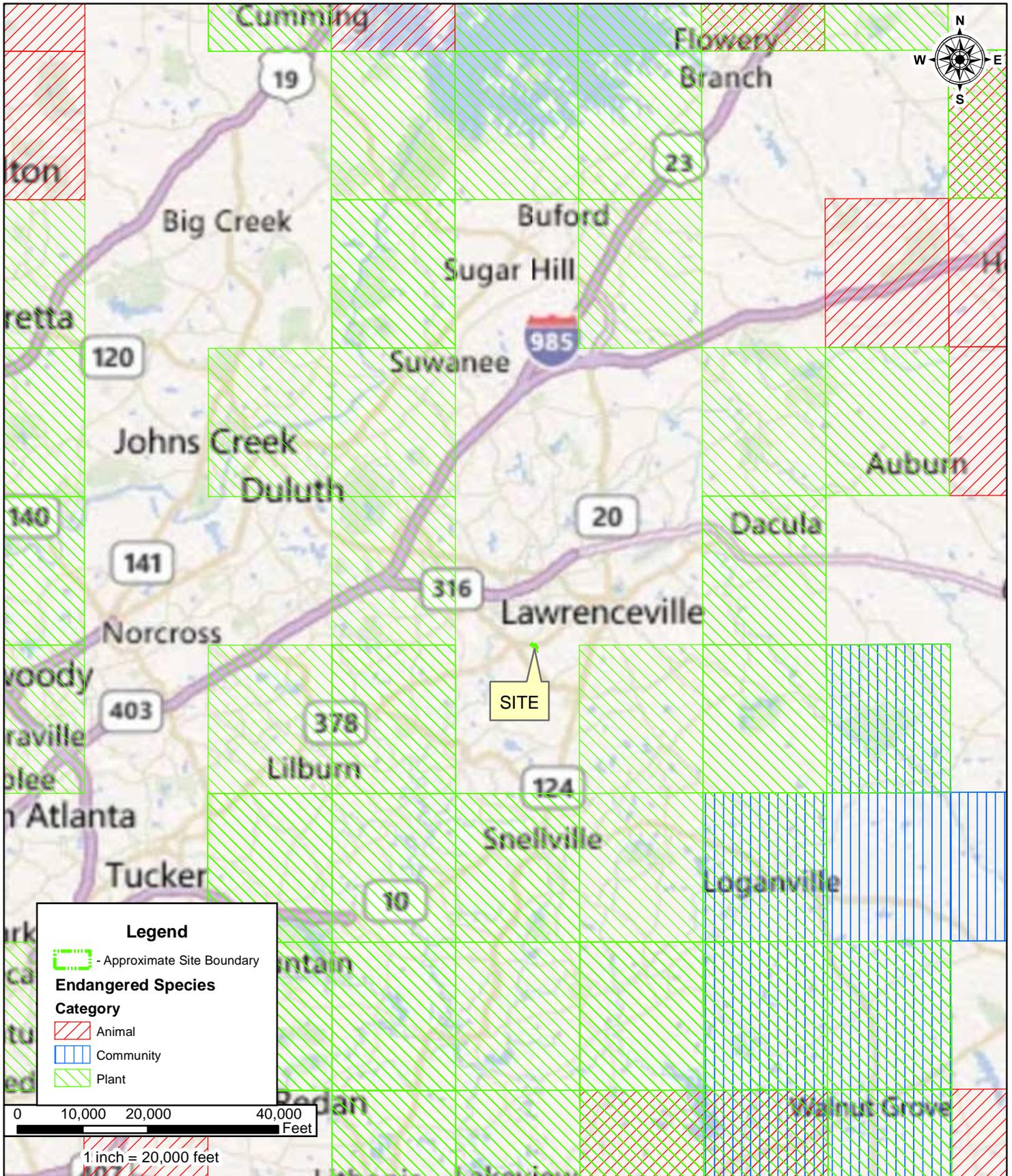
Tours of the water plants are available for school groups and individuals by calling 770.904.3200.



What is Cryptosporidium?

Cryptosporidium (Crypto) is a one-celled parasitic protozoan often found in water sources that receive runoff from animal waste. Crypto can infect humans and have severe impacts on certain people, including organ transplant recipients, immunocompromised persons, young children, and persons undergoing cancer treatment. Water Resources has a monthly sampling and analysis program for Crypto and Giardia, another protozoan often found in water. Samples of both lake water and finished drinking water are analyzed each month. Crypto and Giardia both form cysts when the environment is unfavorable for their survival. During 2011, all Giardia and Crypto sample results were <0.980 cysts/100 liters and <0.980 oocysts/100 liters, respectively. This test program is ongoing.

APPENDIX P – ENDANGERED SPECIES DOCUMENTATION



Data Sources: Endangered Species Quarter Quadrangles courtesy of Georgia GIS Data Clearinghouse

SEA

**SAILORS
ENGINEERING
ASSOCIATES, INC.**
ENVIRONMENTAL/GEOTECHNICAL
1675 SPECTRUM DRIVE
LAWRENCEVILLE, GEORGIA 30043
(770) 962-5922 FAX 962-7964

**ENDANGERED
SPECIES
MAP**

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



WILDLIFE RESOURCES DIVISION

Known occurrences of special concern plants, animals and natural communities Gwinnett County — Fips Code: 13135

Find details for these species at [Georgia Rare Species and Natural Community Data](#) and [NatureServe Explorer](#).

[US] indicates species with federal status (Protected or Candidate).
Species that are federally protected in Georgia are also state protected.

[GA] indicates Georgia protected species.

 link to species profile on our site (not available for all species).

 link to report for element on NatureServe Explorer (only available for animals and plants).

Plant Occurrences

-  ■ *Aesculus glabra* (Ohio Buckeye) 
-  ■ *Amphianthus pusillus* (Pool Sprite) **[US]**  
-  ■ *Amsonia ludoviciana* (Louisiana Blue Star) 
-  ■ *Cypripedium acaule* (Pink Ladyslipper) **[GA]**  
-  ■ *Cypripedium parviflorum* (Yellow Ladyslipper) **[GA]**  
-  ■ *Eriocaulon koermickianum* (Dwarf Hatpins) **[GA]**  
-  ■ *Eurybia avita* (Alexander Rock Aster) 
-  ■ *Fimbristylis brevivaginata* (Flatrock Fimbry)  
-  ■ *Hydrastis canadensis* (Goldenseal) **[GA]**  
-  ■ *Isoetes melanospora* (Black-spored Quillwort) **[US]**  
-  ■ *Panax quinquefolius* (American Ginseng) 
-  ■ *Schisandra glabra* (Bay Star-vine) **[GA]**  
-  ■ *Sedum pusillum* (Granite Stonecrop) **[GA]**  
-  ■ *Symphotrichum georgianum* (Georgia Aster) **[US]**  
-  ■ *Veratrum woodii* (Ozark Bunchflower) **[GA]**  
-  ■ *Waldsteinia lobata* (Barren Strawberry) **[GA]**  

Generated from Georgia DNR's NatureServe Biotics conservation database on October 12, 2011

Group	Name	Population	Status	Lead Office	Recovery Plan Name	Recovery Plan Stage
Ferns and Allies	Black spored quillwort (Isoetes)		Endangered	Georgia Ecological Services	Granite Outcrop Plants (3 spp.)	Final
Flowering Plants	Little amphanthus		Threatened	Georgia Ecological Services	Granite Outcrop Plants (3 spp.)	Final
Flowering Plants	Michaux's sumac (Rhus		Endangered	Raleigh Ecological Services	Michaux's Sumac	Final

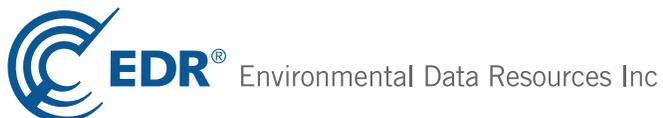
APPENDIX Q – SHPO REVIEW DOCUMENTATION

Heritage At Gwinnett

1340 Lawrenceville Highway
Lawrenceville, GA 30046

Inquiry Number: 3314908.5s
May 02, 2012

EDR NEPACheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Historic Sites.....	5
Flood Plain.....	8
Wetlands.....	10
Wetlands Classification System.....	13
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 21 of this report.

TARGET PROPERTY ADDRESS

HERITAGE AT GWINNETT
1340 LAWRENCEVILLE HIGHWAY
LAWRENCEVILLE, GA 30046

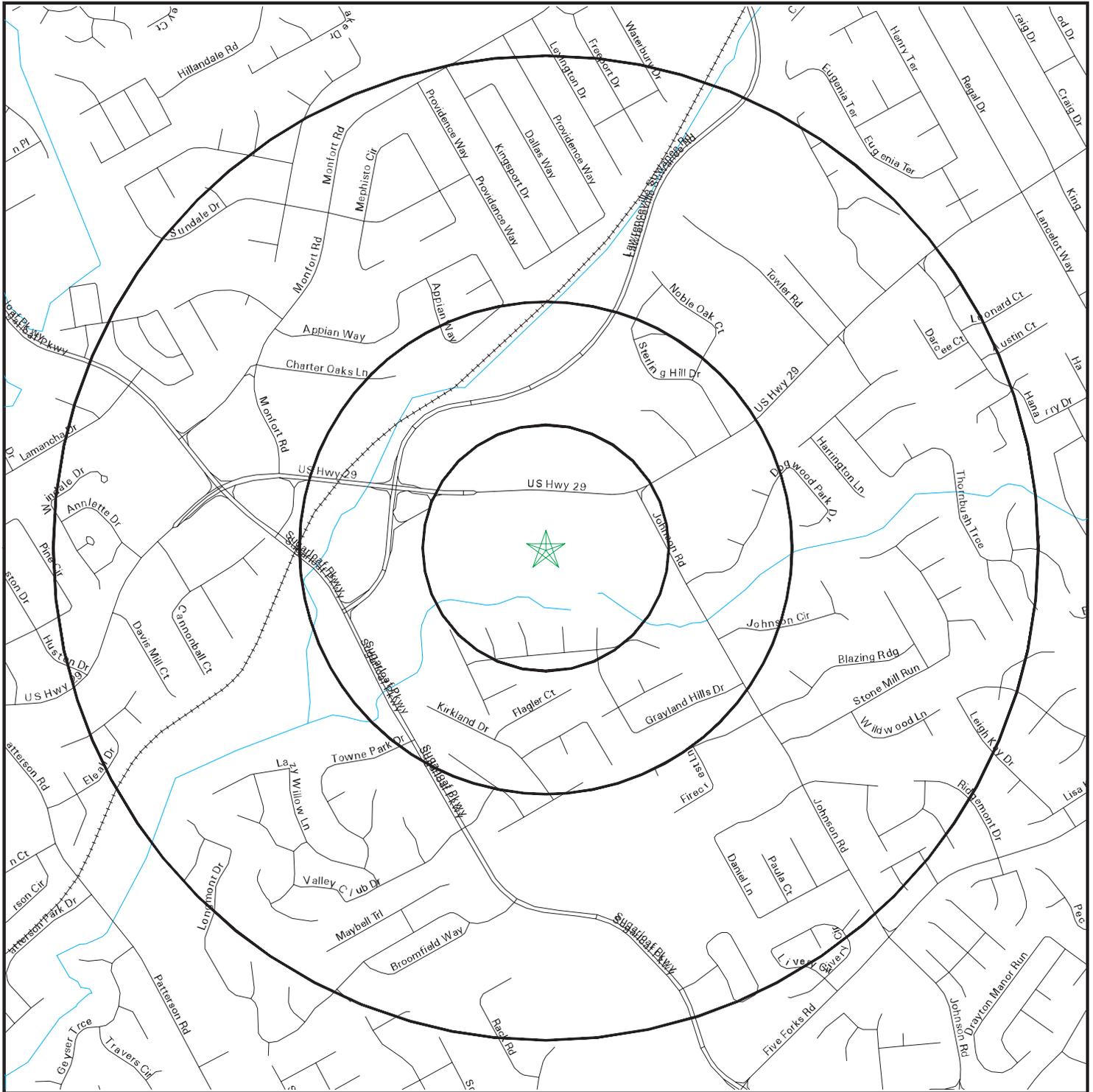
Inquiry #: 3314908.5s
Date: 5/2/12

TARGET PROPERTY COORDINATES

Latitude (North): 33.936600 - 33° 56' 11.8"
Longitude (West): 84.022400 - 84° 1' 20.6"
Universal Tranverse Mercator: Zone 16
UTM X (Meters): 775232.2
UTM Y (Meters): 3758927.0

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
<u>NATURAL AREAS MAP</u>				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	NO	NO
1.1307a (2) Officially Designated Wildlife Preserve	GA Public Lands	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	GA Endangered Species	1.00	NO	NO
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
<u>HISTORIC SITES MAP</u>				
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	NO	NO
	Indian Reservation	1.00	NO	NO
	APPAL_TRAIL	1.00	NO	NO
<u>FLOODPLAIN MAP</u>				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	YES	YES
<u>WETLANDS MAP</u>				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	YES
<u>FCC & FAA SITES MAP</u>				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	YES	NO
	Towers	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---
	Power Lines	1.00	YES	---

Natural Areas Map



- ★ Target Property
- ⊕ Locations
- Roads
- ▨ Federal Areas
- County Boundary
- Federal Linear Features
- Waterways
- ▨ State Areas
- Water
- State Linear Features



SITE NAME: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.5s
 DATE: May 2, 2012

NATURAL AREAS MAP FINDINGS

Endangered Species Listed for: GWINNETT County, GA.

Source: EPA Endangered Species Protection Program Database

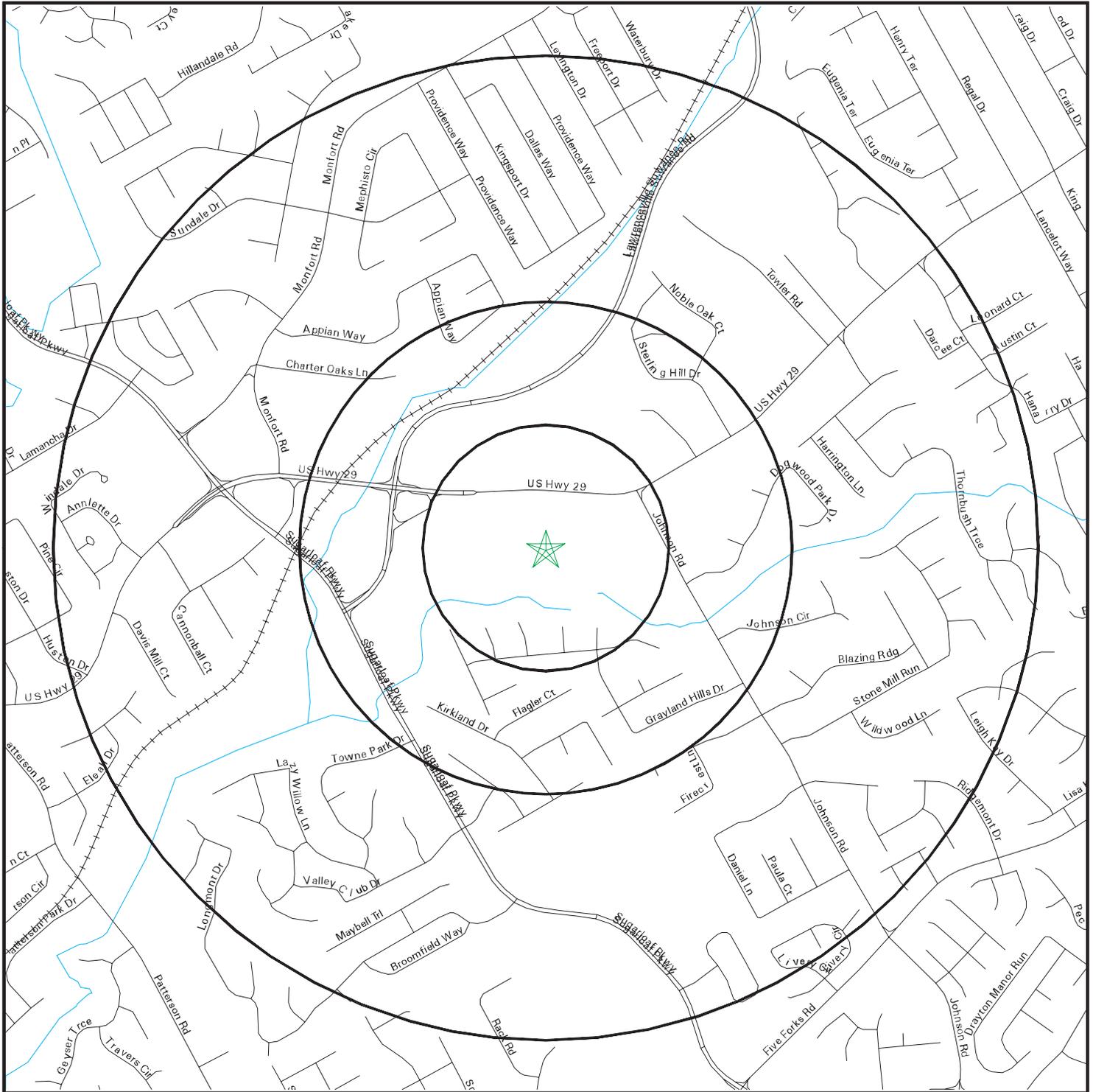
BIRD: EAGLE, BALD
BIRD: WOODPECKER, RED-COCKADED
MAMMAL: BAT, GRAY
MAMMAL: BAT, INDIANA
PLANT: AMPHIANTHUS, LITTLE
PLANT: QUILLWORT, BLACK-SPORED

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

Historic Sites Map



- ★ Target Property
- ◇ Historic Sites
- ≡ Streets
- ▨ Federal Historic Areas
- ≡ County Boundary
- ▨ State Historic Areas
- ≡ Waterways
- ▨ US Indian Reservations
- Water
- ≡ Scenic Trail



SITE NAME: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.5s
 DATE: May 2, 2012

HISTORIC SITES MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

No mapped sites were found in EDR's search of available government records within the search radius around the target property.

UNMAPPABLE HISTORIC SITES

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

Status
EDR ID
Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



- Major Roads
- Contour Lines
- Waterways
- County Boundary
- Power Lines
- Pipe Lines
- Fault Lines
- Water
- 100-year flood zone
- 500-year flood zone
- Electronic FEMA data available
- Electronic FEMA data not available

SITE NAME: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.5s
 DATE: May 2, 2012

FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County

FEMA flood data electronic coverage

GWINNETT, GA

YES

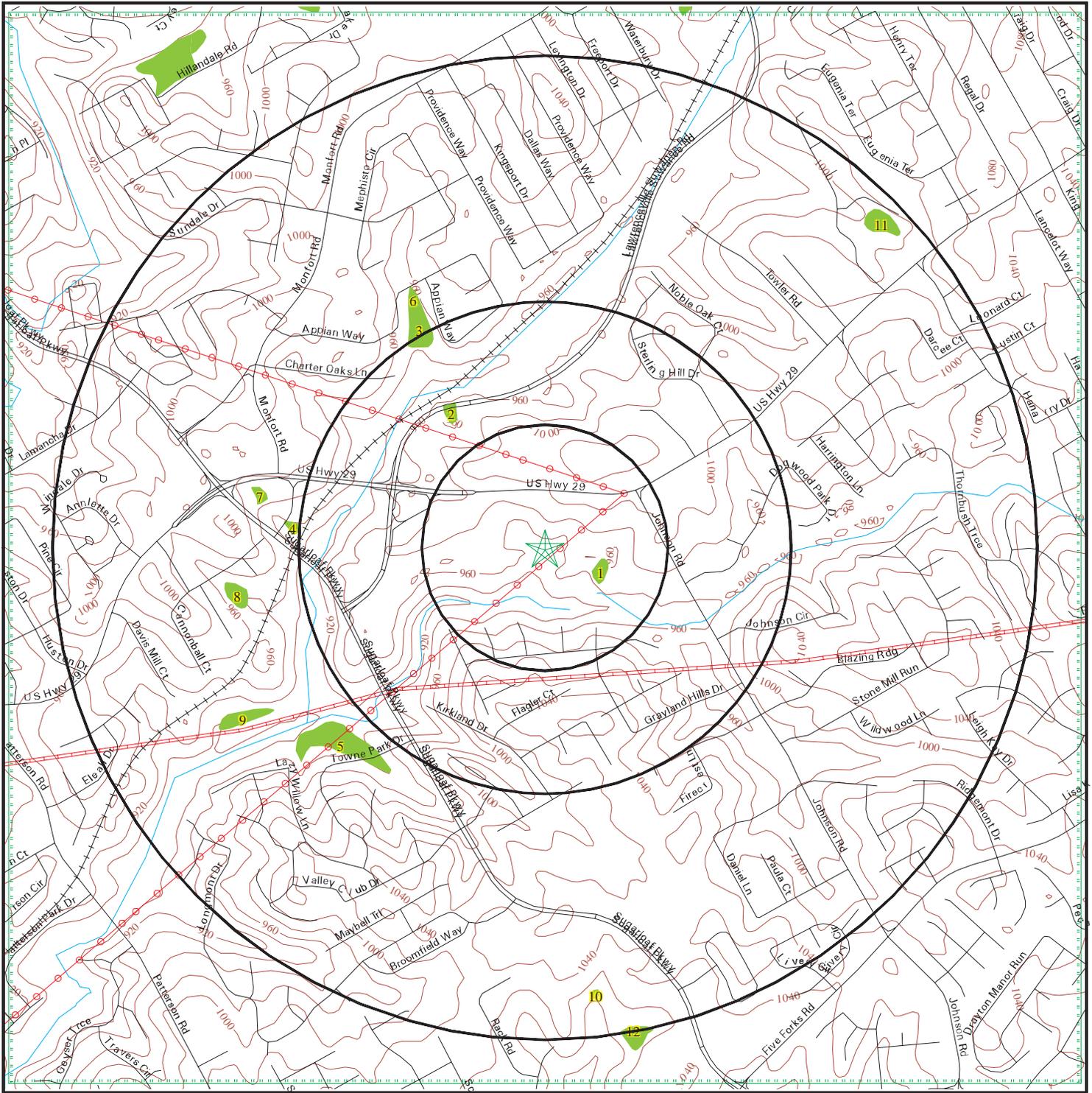
Flood Plain panel at target property:

13135C (FEMA DFIRM Flood data)

Additional Flood Plain panel(s) in search area:

None Reported

National Wetlands Inventory Map



- | | | |
|-----------------|-------------|-----------------------------------|
| Major Roads | Power Lines | Water |
| Contour Lines | Pipe Lines | National Wetland Inventory |
| Waterways | Fault Lines | Electronic NWI data available |
| County Boundary | | Electronic NWI data not available |



SITE NAME: Heritage At Gwinnett
 ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
 LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
 CONTACT: Robert Berry
 INQUIRY #: 3314908.5s
 DATE: May 2, 2012

WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: Luxomni
 Additional NWI hardcopy map(s) in search area:
 Not reported in source data

Map ID	Direction	Distance	Distance (ft.)	Code and Description*	Database
1	ESE	0-1/8 mi	560	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.935902 / -84.020760	NWI
2	NW	1/4-1/2 mi	1657	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.940269 / -84.025627	NWI
3	NNW	1/4-1/2 mi	2489	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.942509 / -84.026520	NWI
4	West	1/4-1/2 mi	2627	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.937237 / -84.031021	NWI
5	SW	1/2-1 mi	2822	PSS1A [P] Palustrine, [SS] Scrub-Shrub, [1] Broad-Leaved Deciduous, [A] Temporarily Flooded Lat/Lon: 33.930645 / -84.028351	NWI
6	NNW	1/2-1 mi	2926	PEM1Ch [P] Palustrine, [EM] Emergent, [1] Persistent, [C] Seasonally Flooded, [h] Diked/Impounded Lat/Lon: 33.943768 / -84.026764	NWI
7	West	1/2-1 mi	3019	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.938057 / -84.032188	NWI
8	West	1/2-1 mi	3219	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.935184 / -84.032875	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 WSW 1/2-1 mi 3384	PFO1A [P] Palustrine, [FO] Forested, [1] Broad-Leaved Deciduous, [A] Temporarily Flooded Lat/Lon: 33.931854 / -84.031990	NWI
10 South 1/2-1 mi 4767	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.923592 / -84.020645	NWI
11 NE 1/2-1 mi 4868	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.946007 / -84.011002	NWI
12 South 1/2-1 mi 5213	PUBHh [P] Palustrine, [UB] Unconsolidated Bottom, [H] Permanently Flooded, [h] Diked/Impounded Lat/Lon: 33.922504 / -84.019386	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM

MARINE

SUBSYSTEM

1 - SUBTIDAL

2 - INTERTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM

E - ESTUARINE

SUBSYSTEM

1 - SUBTIDAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM

2 - INTERTIDAL

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM

R - RIVERINE

SUBSYSTEM

1 - TIDAL 2 - LOWER PERENNIAL 3 - UPPER PERENNIAL 4 - INTERMITTENT 5 - UNKNOWN PERENNIAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
 **EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM

L - LACUSTRINE

SUBSYSTEM

1 - LIMNETIC

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM

2 - LITTORAL

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM

P - PALUSTRINE

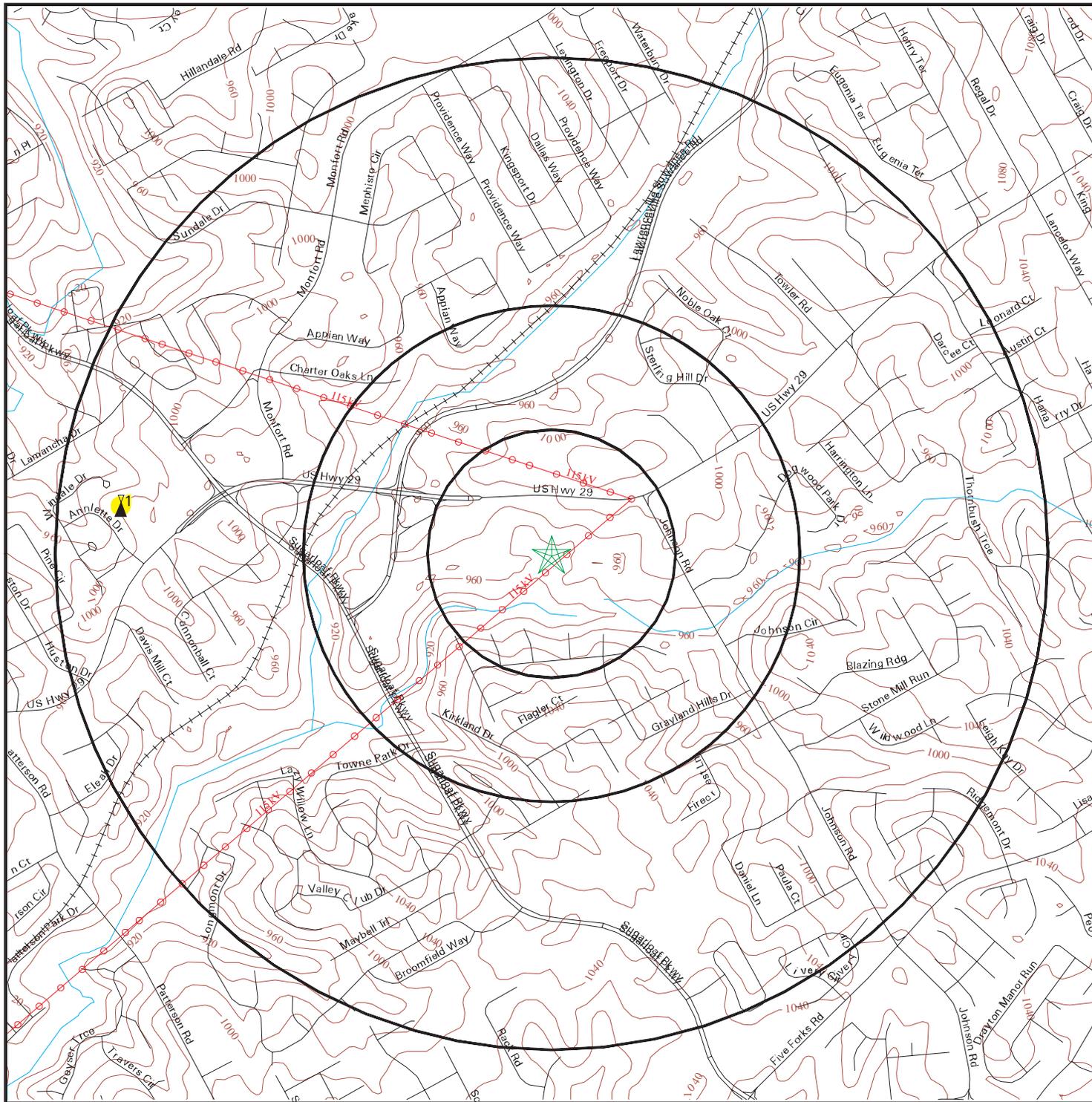
CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS- LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved 2 Needle-Leaved 3 Broad-Leaved 4 Needle-Leaved 5 Dead 6 Deciduous 7 Evergreen	

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	Tidal	Coastal Halinity	Inland Salinity	pH	all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K Artificially Flooded	*S Temporary-Tidal		1 Hyperhaline	7 Hypersaline	g Organic	b Beaver
B Saturated	J Intermittently Flooded	L Subtidal	*R Seasonal-Tidal		2 Euhaline	8 Eusaline	n Mineral	d Partially Drained/Ditched
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	*T Semipermanent -Tidal		3 Mixohaline (Brackish)	9 Mixosaline	a Acid	f Farmed
D Seasonally Flooded/ Well Drained	W Intermittently Flooded/Temporary	N Regularly Flooded	V Permanent -Tidal		4 Polyhaline	0 Fresh	t Circumneutral	h Diked/Impounded
E Seasonally Flooded/ Saturated	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	U Unknown		5 Mesohaline		i Alkaline	r Artificial Substrate
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*These water regimes are only used in tidally influenced, freshwater systems.			6 Oligohaline			s Spoil
G Intermittently Exposed	U Unknown				0 Fresh			x Excavated

FCC & FAA Sites Map



- Streets
- Contour Lines
- County Boundary
- Waterways
- Power Lines
- Water
- Sites



SITE NAME: Heritage At Gwinnett
ADDRESS: 1340 Lawrenceville Highway
 Lawrenceville GA 30046
LAT/LONG: 33.9366 / 84.0224

CLIENT: Sailors Eng Assoc Inc.
CONTACT: Robert Berry
INQUIRY #: 3314908.5s
DATE: May 2, 2012

FCC & FAA SITES MAP FINDINGS TOWERS

Map ID
Direction
Distance
Distance (ft.)

EDR ID
Database

1
 West
 1/2-1 mi
 4611

ANT200000034132
 ANTREG

Regnum: 1251506
 Filenum: A0495715
 Issuedate: 3/24/2006
 Entity: T-Mobile South LLC
 Lat dms: 33,56,16.8
 Lat dir: 1
 Lon dms: 84,2,15.2
 Lon dir: -1
 Dd temp: 33.938
 Dd temp0: -84.0375
 Strucht: 39.6
 Strucadd: 1623 NE US 29 (9AT2137)
 Struccity: Lawrenceville
 Strucstate: GA
 Faastudy: 2005-ASO-5083-OE
 Faacirc: Not Reported
 Lcid: L01106613
 Contname: Marin Fettman
 Contadd: 12920 SE 38th Street
 Contpo: Not Reported
 Contcity: Bellevue
 Contstate: WA
 Contzip: 98006
 Edr id: ANT200000034132

This record is for a license, and it may or may not indicate a site which has been built.

FCC & FAA SITES MAP FINDINGS AIRPORTS

EDR ID
Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS POWERLINES

EDR ID
Database

POW10000001599
POWERLINES

Name:	GA Po
Id:	894
Kv:	115
Label:	115 kV
Company:	Georgia Power Co.
Companyabb:	Georgia Power
Edr id:	POW10000001599

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS

Officially designated wilderness areas

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Southeast Region

100 Alabama Street SW, 1924 Building

Atlanta, GA 30303

404-562-3100

USDA Forest Service, Southern

1720 Peachtree Road, N.W.

Atlanta, GA 30367

404-347-2384

BLM - Eastern States Office

7450 Boston Blvd.

Springfield, VA 22153

703-440-1713

BLM - Eastern States Office

7450 Boston Blvd.

Springfield, VA 22153

703-440-1713

Fish & Wildlife Service, Region 4

Budget and Finance 1875 Century Boulevard

Atlanta, GA 30345

404-679-4096

Officially designated wildlife preserves, sanctuaries and refuges

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

GA Public Lands: Public Lands

Polygon representations of National, State and county parks; National and State historic sites; National Wildlife Refuges; National Wilderness Areas; Wildlife Management Areas; Wild and Scenic Areas; archaeological sites; off-road vehicle areas; US Department of Agriculture land; and other areas

Source: Georgia GIS Data Clearinghouse.

Telephone: 706-542-0246

GA Public Lands: Natural Heritage Program Database

Locations of rare animals, plants, and natural communities

Source: Department of Natural Resources.

Telephone: 770-918-6411

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4

Budget and Finance 1875 Century Boulevard

Atlanta, GA 30345

404-679-4096

State Contacts for Additional Information

Dept. of Natural Resources 770-918-6400

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands

Source: USGS

Telephone: 703-648-5094

Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.

- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4

Budget and Finance 1875 Century Boulevard

Atlanta, GA 30345

404-679-4096

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database

A listing of endangered species by county.

Source: Environmental Protection Agency

Telephone: 703-305-5239

GA Endangered Species: GA Natural Heritage Program Database

Source: Dept. of Natural Resources.

Telephone: 770-918-6411

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 4
Budget and Finance 1875 Century Boulevard
Atlanta, GA 30345
404-679-4096

State Contacts for Additional Information

Natural Heritage Program, Dept. of Natural Resources 706-557-3032

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES

Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.

The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information

Historic Preservation Division 404-656-2840

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.

Source: USGS

Phone: 888-275-8747

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

State Contacts for Additional Information

A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
<http://www.doi.gov/bia/areas/agency.html>

Scenic Trails

Government Records Searched in This Report

APPAL_TRAIL: Appalachian Trail
Source: Appalachian Trail Conference
Telephone: (304) 535-6331
Appalachian Trail centerline.

State Contacts for Additional Information

Appalachian Trail Conference
799 Washington Street P.O. Box 807
Harpers Ferry, WV 25425-0807
(304) 535-6331

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management

Government Records Searched in This Report

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Federal Contacts for Additional Information

Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information

Georgia Emergency Management Agency 404-635-7000

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Wetlands Protection

Government Records Searched in This Report

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information

Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information

Dept. of Natural Resources 770-918-6400

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas

Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

Dept. of Natural Resources, Coastal Resources Division 912-264-7218

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

4G Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Towers

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File

Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Spring, MD 20910-3281
Telephone: 301-713-2817

Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities

Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data

Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

Excessive Radio Frequency Emission

For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information

Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

OTHER CONTACT SOURCES

NEPA Single Point of Contact

State Contacts for Additional Information

Georgia State Clearinghouse

270 Washington Street, SW

Atlanta, GA 30334

404-656-3855

STREET AND ADDRESS INFORMATION

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APPENDIX R – ADDITIONAL HOME REQUIREMENTS

1. HOME and HUD Environmental Questionnaire
2. HOME and HUD Questionnaire supporting documentation
3. 8-step process for floodplains and wetlands

NOT APPLICABLE

APPENDIX S – OPERATION AND MAINTENANCE MANUAL

NOT APPLICABLE

APPENDIX T – PREVIOUS REPORT

1. Previous Phase I Report
2. Previous Phase II Reports



We're here for you

UNITED CONSULTING

October 1, 2002

Mr. Gadson Woodall III
Davis Development, Inc.
1050 Eagles Landing Parkway
Suite 300
Stockbridge, Georgia 30281

RE: Phase I Environmental Assessment
Highway 29 at Johnson Road Site (25-acre Tract)
Lawrenceville, Gwinnett County, Georgia
Project No. 2002.2379.01

Dear Mr. Gadson:

United Consulting is pleased to submit this report of our Phase I Environmental Assessment for the above-referenced project. We appreciate the opportunity to assist you with this project. Please contact us if you have any questions or if we can be of further assistance.

Sincerely,

UNITED CONSULTING

Andrew J. Armstrong
Staff Geologist

David P. Huetter
Senior Environmental Specialist

AJA/DPH/bff

h:\geoenviron\reports\2002\2002.2379.01

REPORT OF

**PHASE I ENVIRONMENTAL ASSESSMENT
ON THE
HIGHWAY 29 AT JOHNSON ROAD SITE
25-ACRE TRACT
LAWRENCEVILLE, GWINNETT COUNTY, GEORGIA**

FOR

**MR. GADSON WOODALL III
DAVIS DEVELOPMENT, INC.
1050 EAGLES LANDING PARKWAY
SUITE 300
STOCKBRIDGE, GEORGIA 30281**

PROJECT NO. 2002.2379.01



UNITED CONSULTING

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Appendix B	Site/Area Photographs
Appendix C	Referenced Documents
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EXECUTIVE SUMMARY¹

United Consulting has completed a Phase I Environmental Assessment on the Highway 29 at Johnson Road Site located in the southwestern quadrant of the intersection of Highway 29 (a.k.a. Lawrenceville Highway) and Johnson Road in Lawrenceville, Gwinnett County, Georgia. This property is hereafter referred to in this report as the Project Site. The results from this investigation are briefly summarized below. The text of the report should be reviewed for a discussion of these items.

1. The Project Site consisted of a predominantly wooded parcel containing four residential structures, a pond and tributary, and a gravel road. Surrounding properties consisted of mainly commercial and residential structures. Based on the historical information reviewed, the four residential structures, two on the northern portion, one on the southern portion, and one on the eastern portion of the Project Site had been developed since 1982.
2. The Project Site was not listed as a regulated site on the Federal and State environmental databases we reviewed. One of the listed regulated facilities was identified within the prescribed search distances of the Project Site. Based on the regulatory database information and EPD file information, in United Consulting's opinion, it does not appear that this regulated facility has adversely impacted the Project Site at this time.
3. Based on this assessment, **no** evidence of petroleum or hazardous substance contamination was identified relative to the Project Site at this time. However, United Consulting recommends that an asbestos survey be conducted prior to demolition or renovation of the structures located on the Project Site. In addition, future petroleum releases at the nearby gasoline station could result in impacts to the Project Site. Therefore, we recommend a periodic review of the regulatory files to identify if a release occurs at this facility. In addition, depending upon the proposed development layout and possible disturbance to the pond and tributary, it may be necessary to conduct an evaluation for wetlands.

¹ This Executive Summary is not intended to be used or relied upon without reference to the entire report and cannot otherwise be properly understood and interpreted. It is provided solely for the convenience of the Client and not as a substitute for the report or review of the report.



PURPOSE

United Consulting was retained by Davis Development, Inc., to perform a Phase I Environmental Assessment of the Project Site. This assessment was conducted with the understanding that the client proposes to purchase the property for construction of a residential community. The purpose of this assessment was to determine whether there is evidence of hazardous substances (including hazardous wastes and/or petroleum products) on or adjacent to the Project Site, which could impose an environmental liability on the Project Site. A standard approach was used, which generally followed the methodology developed by the American Society for Testing and Materials (ASTM) Practice E 1527-00.

Deviations in this report from the ASTM E 1527-00 standard are provided below. The Practice E 1527-00 was developed to establish the Innocent Landowners Defense provided for in the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The ASTM approach constitutes a limited, but commercially prudent and reasonable, inquiry. This assessment was therefore performed to identify environmental concerns that may be discerned by visual observation and information-gathering procedures.

DEVIATIONS FROM ASTM STANDARD

The Phase I Environmental Assessment was performed to generally meet the requirements of ASTM for such investigations. The technical requirements of the ASTM standard, revised in the year 2000, were followed. The following exceptions to this 2000 standard were incorporated into the report:

- The report format does not follow the format prescribed in the 2000 standard; and
- All supporting documentation has not been included with the report, such as interview forms, regulatory data base records, and historic maps.

This document **does** include the purpose, scope of work, and conclusions, along with photographs attached to the report. In particular, the conclusions assess issues beyond strict liability under CERCLA, or Superfund.

SCOPE

The scope of services included the following items:

1. Reconnaissance of the Project Site and surrounding area, with a focus on environmental issues;
2. Research of readily available Federal and State environmental agency records for evidence of hazardous substances or related activities on or near the Project Site;



3. Review of historic maps and aerial photographs to assess area history and past use of the Project Site;
4. Research of Gwinnett County title records for evidence of hazardous waste liens, industrial use, or other environmental concerns pertaining to the Project Site;
5. Interviews with governmental agencies familiar with the Project Site to assess past and present activities which may have impacted the Project Site; and
6. Preparation of this report to document the results of the site reconnaissance, historical and regulatory research and interviews, and to provide United Consulting's professional opinion of the environmental condition of the Project Site.

SITE LOCATION

The Project Site was referenced at the intersection of Highway 29 (a.k.a. Lawrenceville Highway) and Johnson Road. The Project Site was located in Land Lots 82 and 83 of the 5th District, Gwinnett County, Georgia. A Concept Plan drafted by J. Lancaster Associates, Inc., dated July 22, 2002, was provided by the client and used to locate the boundaries of the Project Site during site reconnaissance. More specifically, the Project Site was a 25-acre irregular shaped parcel located in the southwest quadrant of the intersection of Highway 29 and Johnson Road. The general location of the Project Site is illustrated on Figure 1.

GEOLOGIC AND HYDROGEOLOGIC SETTING

The topography, geology and hydrogeology commonly control the migration of chemicals released at a site/facility. The relative location of the properties will often define their potential interaction and hydraulic connection. The description of the setting for the Project Site is provided below, starting with the topography and geology. The resultant anticipated, surface water and groundwater flow directions are then estimated and described.

The Project Site is located in the Piedmont Physiographic Province of Georgia, which is characterized by medium- to high-grade metamorphic rocks and scattered igneous intrusions. Topography in the province is variable and ranges from gently rolling hills in the south to moderate to steep hills in the north. Based on the United States Geological Survey (USGS) 7.5-minute topographic quadrangle map of the area 'Luxomni, Georgia, 1992', elevations in the vicinity of the Project Site range from approximately 900 feet above mean sea level (msl) to over 1,040 feet above msl.

The Project Site was located in a hilly area, along the southern slope of a small, southwest trending ridge with an approximate elevation of 900 feet above msl to approximately 1,010 feet above msl. Topography at the Project Site generally slopes down to the south and southwest.



Surface water flow at the Project Site and immediate vicinity generally flows southwest towards Pew Creek. Figure 2 shows the topography of the Project Site and surrounding areas.

The metamorphic rocks comprising the Piedmont were formed when older "parent" rocks were subjected to high temperatures and/or pressures during regional metamorphism that occurred during the creation of the Appalachian Mountains. The same high temperatures and pressures also caused some "parent" rocks to fully melt and subsequently re-crystallize as intrusive igneous rocks. According to the *Geologic Map of Georgia*, the rock types underlying the Project Site have been mapped as amphibolite, which is a highly metamorphosed rock type.

Groundwater in this region is contained in joints, fractures and other openings in bedrock and the pore spaces in the overlying residual soil. Groundwater recharge occurs by seepage of water through the soil and/or rock or by flowing directly into openings in outcropping rock. The primary source of recharge water is from precipitation that falls in the area, but can also originate from river discharge during dry periods. The movement of groundwater typically follows the original surface topography, moving from hilltops and uplands to stream valleys. The water table is generally 30 to 100 feet below the ground surface on hilltops and hillsides, but is at or near the ground surface in stream valleys and draws. In this type of geologic setting, the direction of groundwater flow can be anticipated to generally conform to that of the surface water.

Based on the USGS topographic map of the area, groundwater below the Project Site is anticipated to flow southwest. Areas considered up-gradient of the Project Site are within approximately 300-feet north and 1,000-feet northeast of the Project Site. This anticipated direction of groundwater flow was used to assist in the evaluation of potential impacts from nearby properties.

REGULATORY AGENCY REVIEW

Reasonably ascertainable Federal and State environmental agency records were reviewed for evidence of regulated or investigated facilities within the minimum search distance outlined by ASTM E 1527-00. The search distances are for the Project Site, adjoining properties, property within 0.5 mile, or property within 1.0 mile. Generally, the listed facilities were field located and only those facilities within the respective ASTM search distances are referenced in this report. Copies of the databases used for the regulatory agency review are stored on-file at United Consulting. The databases reviewed are listed below with a description of each and their acronyms in Appendix A. The facilities identified and search records reviewed are listed in Table 1.



TABLE 1: REGULATORY DATABASES REVIEW SUMMARY

DATABASE	DATE UPDATED	NUMBER AT PROJECT SITE	NUMBER WITHIN SEARCH RADII
<i>ASTM SEARCH RADII: 1-MILE</i>			
United States Environmental Protection Agency (US EPA) National Priority List (NPL)	June 2002	0	0
US EPA CORRACTS database	January 2002	0	0
Georgia Environmental Protection Division (EPD) State Priority List (SPL), also referred to as Hazardous Site Inventory (HSI)	July 2001	0	0
<i>ASTM SEARCH RADII: ½ MILE</i>			
US EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database	June 2002	0	0
US EPA CERLIS No Further Remedial Action Planned (CERCLIS/NFRAP) database	June 2002	0	0
US EPA Resource Conservation and Recovery Act (RCRA) - Treatment, Storage and Disposal (TSD) Facilities List	June 2002	0	0
GA EPD Leaking Underground Storage Tank List (LUST)	May 2002	0	0
GA EPD Operating Solid Waste Facilities List (SWLF)	June 2002	0	0
<i>ASTM SEARCH RADII: PROPERTY AND ADJACENT</i>			
GA EPD Registered Underground Storage Tanks (UST) List	May 2002	0	1
US EPA Resource Conservation and Recovery Act (RCRA) Generators database (GNRTR)	June 2002	0	0
<i>ASTM SEARCH RADII: PROPERTY ONLY</i>			
US EPA Emergency Response Network System (ERNS)	June 2002	0	0
Georgia Spills List database (SPILLS)	February 2002	0	0
NOTES: The list/database information was obtained from Environmental Data Resources, Inc. (EDR). EDR updates their system information routinely. Their databases are derived from databases developed by various government agencies. United Consulting cannot warrant the accuracy of the information included in these databases. The EDR data was relied upon for this Assessment.			

Listed Regulated Facilities

The Project Site was not included on the State and Federal environmental databases reviewed. There was one regulated facility listed within the various search radii of the Project Site.

The Georgia Environmental Protection Division (EPD) UST files were reviewed on September 26, 2002, to ascertain pertinent information concerning this regulated facility. Information



concerning this facility, including a summary of the regulatory file data is provided below. Copies of the partial EPD UST file information are on file at United Consulting.

Big H Food Store #101:

The Big H Food Store #101, located at 1184 Highway 29 S was listed as a registered UST facility. This facility is located approximately 250-feet east and up-gradient of the Project Site. According to the EDR records, five fiberglass USTs were installed in 1987 and are currently in use at this facility. Three of the USTs were 10,000-gallons and contained gasoline, one UST was 8,000-gallons and contained diesel, and the fifth UST was 4,000-gallons and contained kerosene. The five USTs were cathodically protected and recently upgraded in 1998 to include automatic leak detection and spill protection. During our visit to the EPD office it was determined that no file data was available for review. On September 26, 2002 the EPD case manager, Mr. Calvin Jones, was contacted via a telephone call. Mr. Jones checked the EPD databases, which indicated no confirmed releases from the facility as this time. Therefore, given this information from the EDR and the EPD file records on the Big H Food Store, in United Consulting's opinion, this facility has not likely impacted the Project Site at this time.

Other Notable Facilities

Ingles Supermarket and Gas Station:

The Ingles supermarket complex, Ingles express gas station, identified by the address of 1154 Highway 29, and Best Dry Cleaners were visually observed approximately 250 feet east of the Project Site. The recently constructed supermarket complex had several empty suites located to the east and west of the main supermarket building. One suite, identified as #101, had a sign for a new dry cleaners, called Best Dry Cleaners. This dry cleaner was located on the east end of the supermarket complex and was not in operation at the time of our reconnaissance. On the north side of the supermarket complex was a large parking lot and the Ingles gas express station located next to Highway 29. The EPD office was visited to review the files for the gas station; however, due to the recent construction of the gas station, no files were available for review. Therefore, due to the recent construction of the gas station and the non-operating dry cleaner, in United Consulting's opinion, these facilities have not impacted the Project Site at this time.

SITE RECONNAISSANCE

Basis

A reconnaissance of the Project Site was performed on September 25, 2002, to look for evidence of possible hazardous substance contamination at the Project Site. The reconnaissance consisted of an on-site, visual review by representatives from United Consulting: Mr. Seth H. Hobson, Environmental Specialist and Mr. Andrew J. Armstrong, Staff Geologist. A Concept Plan drafted by J. Lancaster Associates, Inc., dated July 22, 2002, was provided by the Client, and used as a guide to locate the Project Site. The reconnaissance was performed by walking the identified roads, parking areas, and the perimeter of the Project Site. The buildings at the Project



Site were occupied at the time of the reconnaissance and therefore, the interiors of the buildings were not investigated.

Results

The results of the reconnaissance are summarized in Table 2. Additional discussions are provided following Table 2, as appropriate. Photographs of the Project Site are included in Appendix B.

TABLE 2: SITE RECONNAISSANCE INFORMATION

ITEMS	APPLIC. (Yes/No)	DISCUSSION (Blanks indicate items not observed on the Project Site)
Site Structures	Yes	Discussed below.
Property Use	Yes	Discussed below.
Roads and Access	Yes	The Project Site was accessed via Johnson Road, Highway 29, and Cambridge Drive.
Easements	Yes	Typical power, gas, and sewer easements were identified on the Project Site.
Drainage Ways	Yes	An empty pond and a tributary were located on the southern portion of the Project Site. Pew Creek was located across the southern corner of the Project Site.
Water	Yes	The houses on the Project Site were connected to the local water system.
Wells	No	
Sewage	Yes	The houses on the Project Site were connected to the local sewer system.
Tanks	No	Discussed below.
Drums	No	No drums were observed on the Project Site.
Other Containers	No	
Storage Areas	No	
Ponds and/or Pools of Liquid or Sludge	Yes	The aforementioned pond was located on the southern portion of the Project Site. A swimming pool was observed on the property of the southern residential structure.
Grading	Yes	The site grade had been minimally altered for construction of the existing residential buildings.
Stained Soil or Pavement	No	<i>De minimis</i> oil staining was noted on the access roads.
Vegetation/Ground Cover	Yes	The developed portions of the Project Site were landscaped and the remaining portions of the site were heavily forested.
Solid Waste	No	No evidence of trash piles, landfilling or buried operations were observed. Some scattered litter and household trash was noted on the Project Site.
Odors	No	No unusual odors were noted on the Project Site.
Drains/Sumps	No	
Polychlorinated Biphenyls (PCBs)	No	Transformers or other equipment labeled as containing PCBs were not observed on the Project Site.



Structures/Property Use:

The Project Site was predominantly forested and contained four residential houses. Two of the houses were located on the northern portion of the Project Site, one on the southern portion of the Project Site, and one on the eastern portion of the Project Site. According to the USGS topographic map dated 1963, two of the four houses had been on the Project Site since at least 1959. According to the same topographic map the 1982 revisions indicated that the two other houses had been constructed between 1959 and 1982. The two houses on the northern portion of the Project Site fronted Highway 29. The four residential houses were currently occupied and therefore the interiors of the houses were not evaluated. The four houses were in poor condition and generally consisted of single-story, wood frame structures with asphalt shingle roofs.

Tanks:

No ASTs were observed on the Project Site. No features indicative of USTs, such as fill caps, vent pipes, pump islands, or associated piping were observed on the Project Site. Although no evidence of USTs was noted in the area surrounding the residential structures, due to the apparent age of the structures, old heating oil tanks could be present on the Project Site. Further, although not regulated, if heating oil USTs are identified on the Project Site, proper removal and disposal of the tanks would be necessary.

AREA RECONNAISSANCE

Basis

A foot and automobile tour of the surrounding area was conducted to assess area land use and to look for evidence of potential sources of hazardous substances on adjacent or nearby properties. The reconnaissance was performed by walking within the parking areas adjacent to the Project Site and driving the nearby roads.

Results

The results of the reconnaissance are summarized in Table 3. Additional discussion is provided following Table 3, as appropriate. The areas immediately adjacent to the Project Site were a mix of commercial and residential development and wooded areas. In the major directions, the properties were:

North:

Highway 29 (a.k.a. Lawrenceville Highway), a large undeveloped grassed and landscaped parcel

East:

To the northeast was the Big H Food Store #101 (Amoco gasoline station), a new Ingles supermarket, shopping center, gasoline station, and dry cleaners. Johnson Road and a residential home were located immediately adjacent and east of the Project Site.



South:

Cambridge Drive, residential structures, mainly wooded and undeveloped, a larger residential complex located near Grayland Hills Drive

West:

Mainly undeveloped and wooded

TABLE 3: AREA RECONNAISSANCE INFORMATION

ITEMS	APPLIC. (Yes/No)	DISCUSSION (Blanks indicate items not observed on nearby properties)
Area Structures	Yes	Discussed below
Property Use	Yes	Surrounding properties were commercial and residential
Wells	No	
Tanks	Yes	Discussed below.
Drums	No	
Other Containers	No	
Storage Areas	No	
Ponds and/or Pools of Liquid or Sludge	No	No ponds, pools, or lakes were located on the properties near the Project Site.
Stained Soil or Pavement	No	No stained soil was observed. <i>De minimis</i> oil staining was noted on access roads and parking areas.
Vegetation/Ground Cover	Yes	The developed areas were either paved or landscaped.
Solid Waste	No	No evidence of trash piles, landfilling or burial operations were observed. Some scattered litter and household trash was noted on the adjacent properties.
Odors	No	No unusual odors were noted on the adjacent properties
Drains and Sumps	No	

Structures/Property Use:

The structures surrounding the Project Site were commercial and residential. The surrounding property within the block bounded by Highway 29 and Johnson Drive were predominately utilized as parking areas, and commercial and residential properties. Furthermore, the property to the immediate east of the Project Site was utilized as commercial properties, a gas station, Ingles supermarket with a parking lot and gas station, and a residential home. An undeveloped grass parcel was located to the immediate north of the Project Site on the north side of Highway 29. Heavily forested areas were observed on the south and west sides of the Project Site. Residential structures close to Cambridge Drive and Grayland Hills Drive were observed to the south of the Project Site. No apparent waste dumps, tank farms, or other potential hazardous substance contamination sources were noted on adjacent properties.

Tanks:

No ASTs were observed immediately adjacent to the Project Site. Pump islands, fuel dispensers, and fill and vent pipes were observed at the nearby Big H/Amoco facility located east of the Project Site. In addition, indications of USTs were noted at the Ingles gasoline station located within the shopping center parking lot. No features indicative of USTs, such as fill caps, vent



pipes, pump islands, or other associated piping were observed on the other properties adjacent to the Project Site.

PROJECT SITE HISTORY

Overview

Historical research into the Project Site was conducted to assess the history of the Project Site and surrounding areas from an environmental perspective. This research included reviewing USGS topographic maps and historic aerial photographs, conducting interviews with people familiar with the history of the Project Site and surrounding areas, and researching the past ownership of the Project Site to at least 1940. The title search focused on determining whether past ownership included industrial firms, and whether environmental liens encumber title to the Project Site. The following sections summarize the results of the historical research of the Project Site:

Map and Aerial Photography Review

The USGS 7.5-minute series quadrangle topographic map of the area entitled 'Luxomni, GA', was reviewed. This map was developed from aerial photographs taken in 1959, field checked in 1963. Revisions to this map were based on aerial photographs taken in 1982. A second USGS map dated 1992, derived from imagery taken in 1991 was also reviewed. The Gwinnett County Soil Survey, dated 1966, based on aerial photographs taken in 1960 was reviewed. Two recent aerial photographs of the Project Site area were also reviewed.

Topographic Maps:

The 1963 USGS topographic map indicated the Project Site was a mainly wooded and partly cleared area with two structures, one on the northern portion of the Project Site and one on the eastern portion of the Project Site. Three structures were located adjacent to the Project Site. Highway 29, located on the north side of the Project Site, was mapped as a heavy-duty road. Johnson Drive, located on the eastern side of the Project Site, was mapped as a light duty road. A tributary of Pew Creek was located on the southern portion of the Project Site. A pond located on the southern portion of the Project Site was found at the northern end of the tributary.

The 1982 photograph-revised USGS topographic map indicated some changes to the Project Site and immediately surrounding area. Two new structures appeared on the Project Site. Two other structures appeared adjacent to the Project Site. A large residential complex was noted to the southeast of the Project Site. Improvements to Johnson Road were noted on the 1982 photograph revised map. A library was mapped approximately 1,700 feet north-northeast of the Project Site.

The 1992 USGS topographic map indicated the Project Site and surrounding area was in an undeveloped area. This map indicated several significant changes to the areas surrounding the Project Site, but little changes to the Project Site. Richards School was located approximately



2,600 feet south of the Project Site. Large residential complexes adjacent and south and approximately 1,800 feet east of the Project Site were shown on the 1992 topographic map.

Aerial Photographs:

The 1960 Soil Survey aerial photograph indicated the Project Site to be mainly wooded with a couple of structures, one on the eastern portion and one the northern portion. The Soil Survey indicated no significant changes from the 1963 USGS topographic map.

The two recent aerial photographs didn't indicate any significant changes to the Project Site. The recent aerial photographs were similar to the 1992 USGS topographic map. The Project Site was mainly wooded and undeveloped with four structures on the site. A large grassy area was located to the north of the Project Site. One commercial structure (Big H Food Store) was shown on the eastern side of the Project Site. A residential complex was located south of the Project Site. The Ingles supermarket was not evident on the two recent aerial photographs.

Interviews

During and following the site reconnaissance, interviews were conducted with government agencies. These agencies were questioned as to their knowledge of any past activities at the Project Site, which might present the potential for environmental impacts. The interviews provided the following information:

Ms. Sue Meeks of Gwinnett County Department of Fire and Emergency Services was interviewed via a telephone conversation on September 26, 2002. Ms. Meeks was faxed information regarding property boundaries of the Project Site and was asked about any possible hazardous spills or fires located on the Project Site. Ms. Meeks provided a response, which indicated that no responsive records exist on the given address.

An employee with the Environmental Health Department was interviewed via telephone on September 26, 2002. The employee didn't have any information regarding health or environmental issues with the Project Site. She suggested calling the EPA to find information about gas or spills in the area.

A representative of the EPA was contacted via telephone on September 26, 2002 regarding information on the Project Site. They were not able to give any information because no facilities were located at the Project Site. They didn't know how to answer questions about the Project Site so they directed our call to the county office.

Phone calls to various current property owners on the Project Site were conducted on October 1, 2002, however no one answered the calls and therefore no information on the Project Site was obtained.

Deed Research

The Gwinnett County title records were reviewed by Mr. Vince Valvo of United Consulting on September 30, 2002, to identify the past ownership of the Project Site and to assess whether



hazardous material liens encumber any of the Project Site's past or current deeds. The Project Site is located in Parcels 2, 3, 9, and 16 of Land Lots 82 and 83 in the 5th District of Gwinnett County, Georgia. According to the deed research, Parcel 2 of the Project Site is currently owned by Halcyon C. Boyce who acquired the parcel from Carl Ross on June 29, 1963, Parcel 3 of the Project Site is currently owned by Ida S. Huston who acquired the parcel from Colvin L. Huston at an unknown date, and Parcels 9 & 16 are currently owned by Charles G. Cassady & Myra R. Elliott who acquired the parcels from James F. & Claudia Lowry on August 1, 1975. Previous property owners included a number of individuals up to at least 1940.

REFERENCES

The list of references used in this assessment is provided at the end of the document in Appendix C, in accordance with the ASTM standard. United Consulting's qualifications are summarized in Appendix D.

DATA EVALUATION

The Project Site was mainly wooded and contained four residential structures, a pond and tributary, and a gravel road. The four residential structures were occupied at the time of our reconnaissance and therefore were not investigated. Pew Creek, a pond and a tributary of Pew Creek were located on the southern portions of the Project Site. A gravel road was located to the south of the eastern residential structure. Historically, the Project Site had been wooded and contained these four houses since at least 1982.

The Project Site was not listed as a regulated facility on the databases reviewed. However, one listed regulated facility was identified within the appropriate ASTM search radii from the Project Site. Based on the regulatory and EPD information reviewed, in United Consulting's opinion, the one regulated facility would not likely have adversely impacted the Project Site at this time. However, since this facility is adjacent and up-gradient from the Project Site, future releases at this facility could result in impacts to the Project Site.

CONCLUSIONS AND RECOMMENDATIONS

United Consulting has performed a Phase I Environmental Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-00 for the Project Site. Based on the results of this research, review, and assessment, no indications of petroleum or hazardous substance contamination to the Project Site at this time. However, as mentioned above, future releases at the adjacent Big H/Amoco facility could result in impacts to the Project Site. Therefore, United Consulting recommends a periodic review of the EPD file information for this facility to identify releases that may occur at this facility and to evaluate whether such future releases have impacted the Project Site.



Further, due to the age of the structures located on the Project Site, if demolition or major renovation of any of the buildings is planned, an Asbestos Survey and Lead Survey should be conducted. Proper notification to the EPD is required prior to commencement of demolition activities. In addition, if grading or other disturbance is planned in the area of Pew Creek, the tributary, or the pond located on the southern portion of the Project Site, a wetland delineation should be conducted to determine the limits of wetland jurisdiction boundaries.

LIMITATIONS

United Consulting has performed appropriate inquiry for this Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-00. In accordance with ASTM Practice E 1527-00, asbestos, lead testing, radon, and wetlands work are excluded from the scope of work for Phase I assessments. No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a site. United Consulting's assessment is based on a visual evaluation of the surficial conditions only. No other warranty or guarantee is expressed or implied. This report must be considered in its entirety.

This report is for the exclusive use of Davis Development, Inc. (Client), and may be used only in reference to the project or site described herein. United Consulting's conclusions, opinions and suggestions have been prepared using generally accepted standards prevailing within the relevant disciplines as practiced within the southeastern United States. United Consulting is not responsible for the conclusions, opinions or recommendations of others. Nothing contained within this report is intended to supersede or replace the judgment of the Client. All decisions relating to the aforementioned project or site are the sole responsibility of said user.

The right to rely upon this report and the data herein may not be assigned without the express written permission of United Consulting. As a prerequisite for the granting of such permission, the third-party user (including, but not limited to, the Client's successors and assigns) must agree to be bound by the terms and conditions of the original agreement between United Consulting and the Client. Further, reliance is dependent on similar uses of the property and the document.

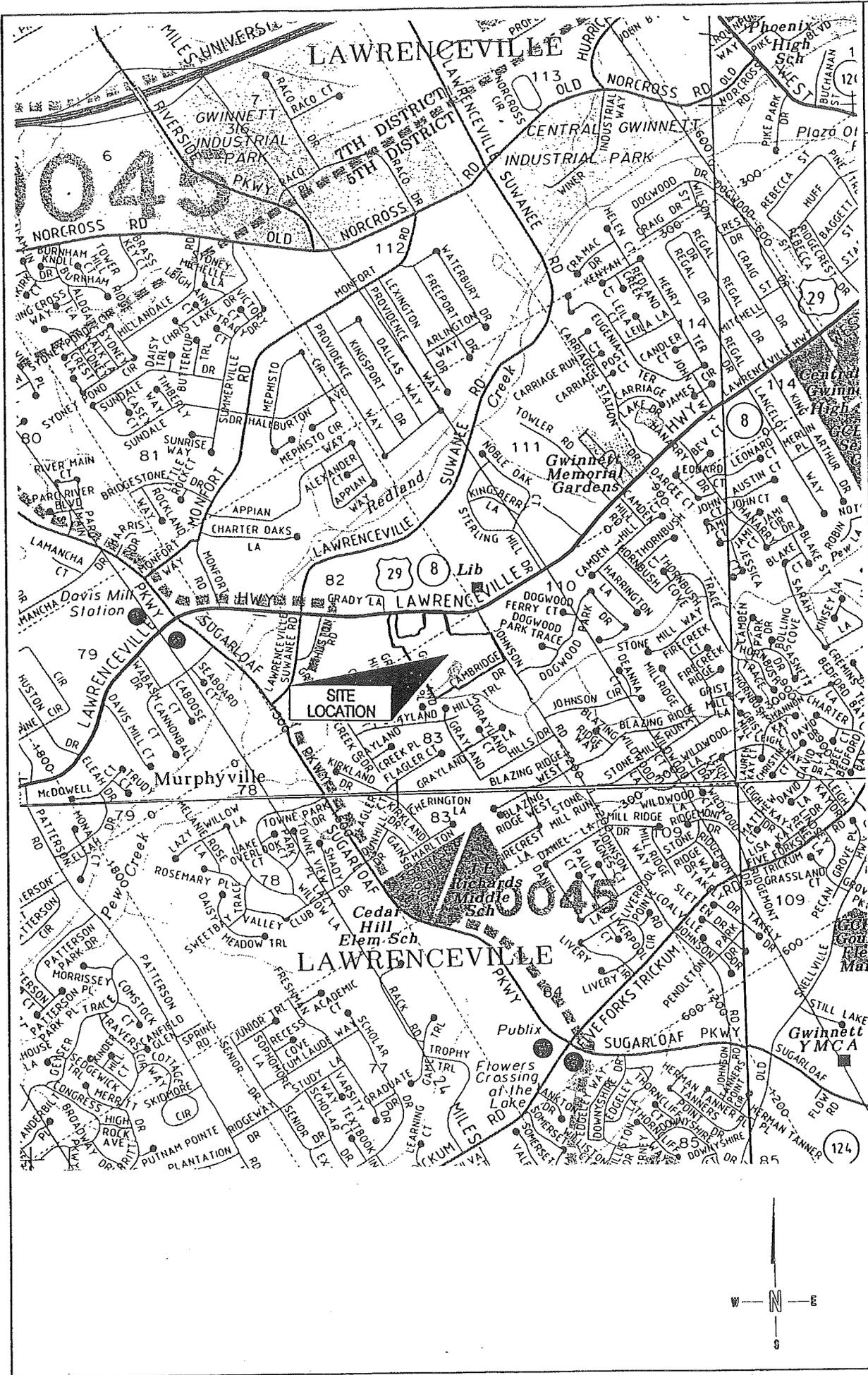
Our conclusions, opinions and suggestions are based upon information furnished to us and United Consulting's professional experience. Normal assessment may not detect or account for all conditions or factors present at a project area or Project Site. Should such unexpected conditions or factors become manifest during subsequent activities at a site, it will be necessary for United Consulting to review and re-evaluate any and all conclusions, opinions and suggestions made with respect to this project or Project Site. Accordingly, United Consulting should be contacted immediately in such a situation.



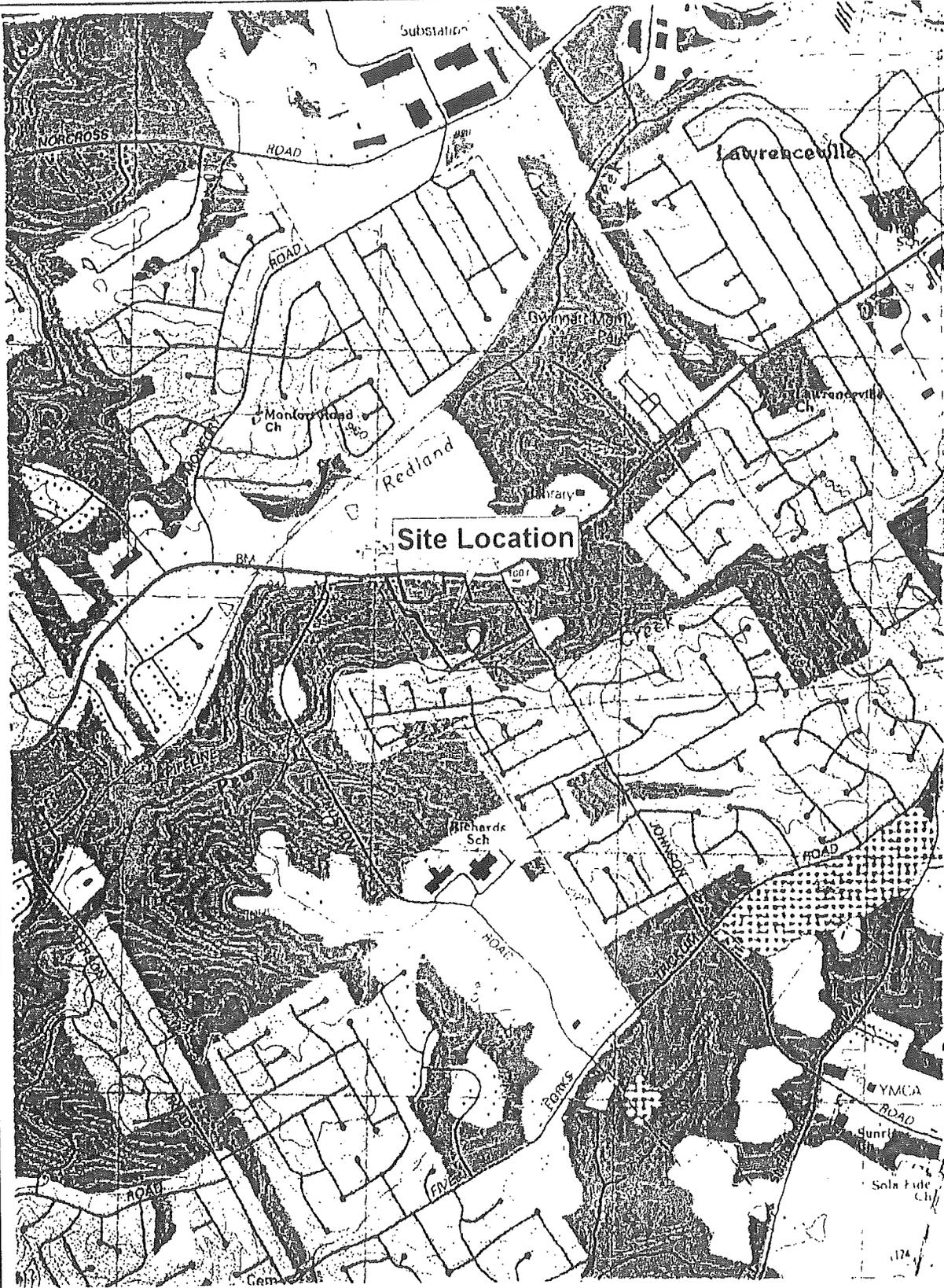
In the event that there are any subsequent changes or additions to the project or Project Site information provided to United Consulting in connection with the preparation of this report, the contents of this report must be considered invalid unless such changes or additions are reviewed by United Consulting and the associated conclusions, opinions and suggestions are either verified or modified in writing. United Consulting should also be consulted concerning any future work to be performed in connection with the project or site so that we can determine whether such work is consistent with our conclusions, opinions and suggestions.

UNITED CONSULTING





<p>SCALE: 1"=2,000'</p> <p>PREPARED: AJA</p> <p>CLIENT: DAVIS DEVELOPMENT, INC.</p>		<p>DATE: 24-Sep-02</p> <p>CHECKED:</p>		<p>PROJECT NO: 2002.2379.01</p> <p>REVISIONS:</p>		<p>TITLE: SITE LOCATION MAP</p> <p>HIGHWAY 29 & JOHNSON ROAD 25-ACRE TRACT</p>		<p>FIG. 1</p>  <p>UNITED CONSULTING</p> <p>625 Holcomb Bridge Road, Norcross, GA</p>



TITLE: USGS TOPOGRAPHIC MAP # UNOMINL 1992
 HIGHWAY 29 & JOHNSON ROAD 25-ACRE TRACT I



UNITED CONSULTING
 625 Holcomb Bridge Road, Norcross, GA

FIG. 2

SCALE: 1"=2,000'	DATE: 24-Sep-02	PROJECT NO: 2002.2379.01	TITLE: USGS TOPOGRAPHIC MAP # UNOMINL 1992 HIGHWAY 29 & JOHNSON ROAD 25-ACRE TRACT I
PREPARED: AJA	CHECKED:	REVISIONS:	 UNITED CONSULTING 625 Holcomb Bridge Road, Norcross, GA
CLIENT: DAVIS DEVELOPMENT, INC.			

APPENDIX A – DESCRIPTION OF REGULATORY DATABASES AND RECORDS

The National Priority List (NPL), also known as the Superfund List, is a United States Environmental Protection Agency (EPA) listing of known, uncontrolled or abandoned hazardous waste sites. Inclusion on this list is primarily based on a score that the site receives from the EPA's Hazardous Ranking System. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), or Superfund.

The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) list is a compilation of known and suspected, uncontrolled or abandoned, hazardous waste sites, including NPL or Superfund sites. CERCLIS sites have been investigated, or are currently under investigation, by the EPA, for the release, or threatened release, of hazardous substances. CERCLIS sites may ultimately be listed on the NPL.

The EPA's Resource Conservation and Recovery Act - Treatment, Storage and Disposal (RCRA TSD) Facilities list is a compilation of facilities, which report to the EPA that they treat, store, or dispose of hazardous waste.

The EPA's Resource Conservation and Recovery Act (RCRA) Generators list is a compilation of facilities that generate hazardous wastes and report to the EPA. The RCRA Generators list includes facilities such as automotive repair shops, dry cleaners, and other small businesses which use or generate small quantities of hazardous substances.

The EPA's CORRACTS database is a compilation of RCRA facilities that are under corrective action. The database includes both TSD and generator facilities. This database is not available, at this time, for most of the United States, including the southeast United States (United States Environmental Protection Agency Region IV). The CORRACTS search criteria are therefore met by United Consulting's review of the regulatory files for listed Federal RCRA TSD Facilities within 1.0 miles of the Project Site.

The EPA's Emergency Response Network System (ERNS) database contains information regarding reported spills or accidents involving hazardous chemicals. The information contained in the ERNS database is gathered through phone calls or written notifications and is, in many cases, incomplete.

The EPD's Hazardous Site Inventory (HSI) is a list of sites in Georgia known to have had a release of a regulated substance above a reportable quantity, as defined in the Georgia regulations. The HSI includes sites reported and evaluated in accordance with the Georgia Hazardous Site Response Act (HSRA) as potentially harmful to human health or the environment. Listed facilities have, at a minimum, restrictions placed on the use of the property, and may also have active remediation required by the EPD.

The EPD's Solid Waste Facilities List and Industrial Waste Facilities List include permitted solid waste facilities. The EPD Landfill Inventory includes permitted solid waste facilities.

The EPD maintains a list of registered underground storage tank (UST) locations for the State of Georgia.

The EPD maintains a listing of suspected or confirmed leaking underground storage tanks (LUST) sites for the State of Georgia.

APPENDIX B – SITE/AREA PHOTOGRAPHS

Excepts From Rules 391-3-7

**RULES
OF
GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION**

**CHAPTER 391-3-7
EROSION AND SEDIMENTATION CONTROL**

TABLE OF CONTENTS

391-3-7.01	Definitions.
391-3-7.02	Scope and Exclusions.
391-3-7.03	Land Disturbing Activity Permits.
391-3-7.04	Erosion and Sedimentation Control Plan Requirements.
391-3-7.05	Buffer Variance Procedures and Criteria.
391-3-7.06	Turbidity Limits for Stormwater Runoff Discharges.
391-3-7.07	Inspection and Compliance.
391-3-7.08	Enforcement.

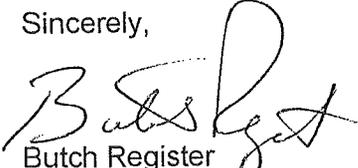
391-3-7-.01 Definitions.

The following definitions shall apply in the interpretation and enforcement of these rules and regulation unless otherwise specifically stated.

- (a) "Best Management Practices" means a collection of structural measures and vegetative practices which, when properly designed, installed and maintained, will provide effective erosion and sedimentation control for all rainfall events up to and including a 25-year, 24 hour rainfall event.
- (b) "Department" means the Department of Natural Resources of the State of Georgia.
- (c) "Director" means the Director of the Environmental Protection Division.
- (d) "District" means the appropriate local Soil and Water Conservation District.
- (e) "Division" means the Environmental Protection Division of the Department of Natural Resources.
- (f) "Erosion" means the process by which land surface is worn away by the action of wind, water, ice, or gravity.
- (g) "Erosion and Sedimentation Control Plan" or "Plan" means a plan for the control of soil erosion and sediment resulting from a land disturbing activity.

If you agree with these terms please sign in the space provided below and return as soon as possible. If there are any questions please contact me at your convenience.

Sincerely,



Butch Register
Principal Consultant

I agree to the incentive based proposal described above.

Signature: _____

Title: _____

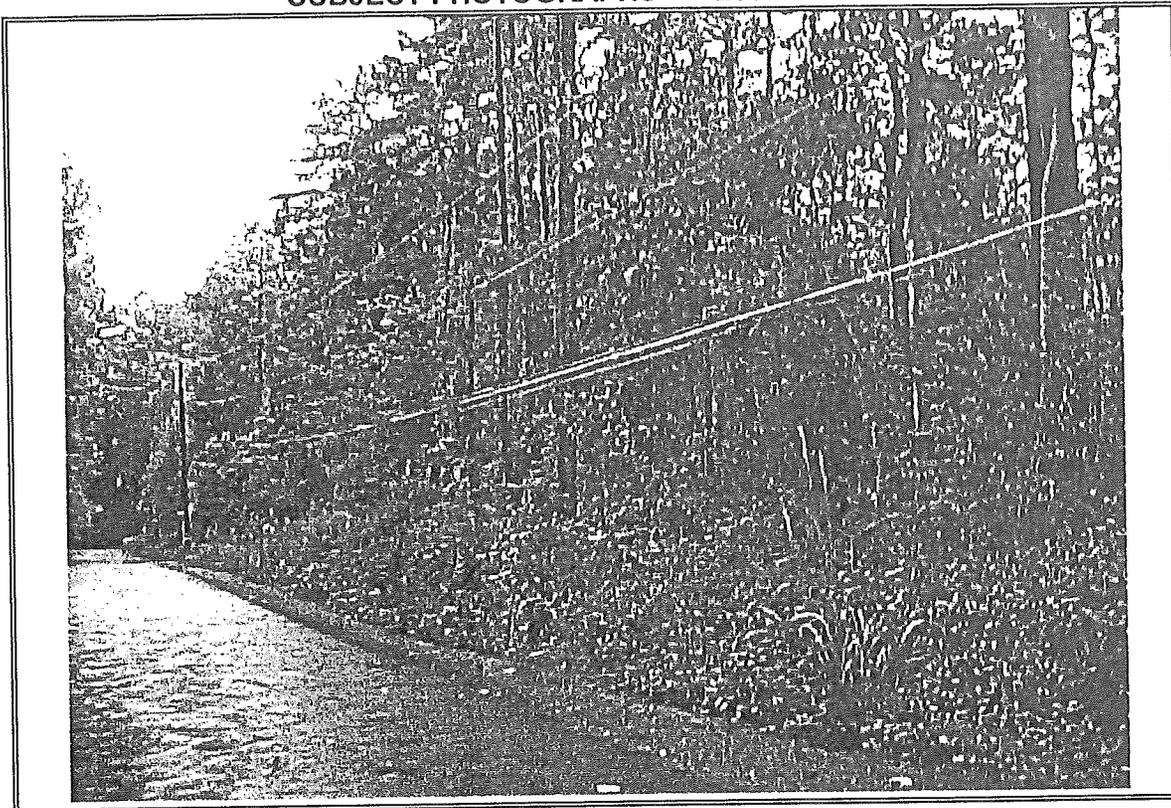


Photo # 1. View to the southwest along Cambridge Drive. The Project Site is the wooded area on the right of Cambridge Drive.

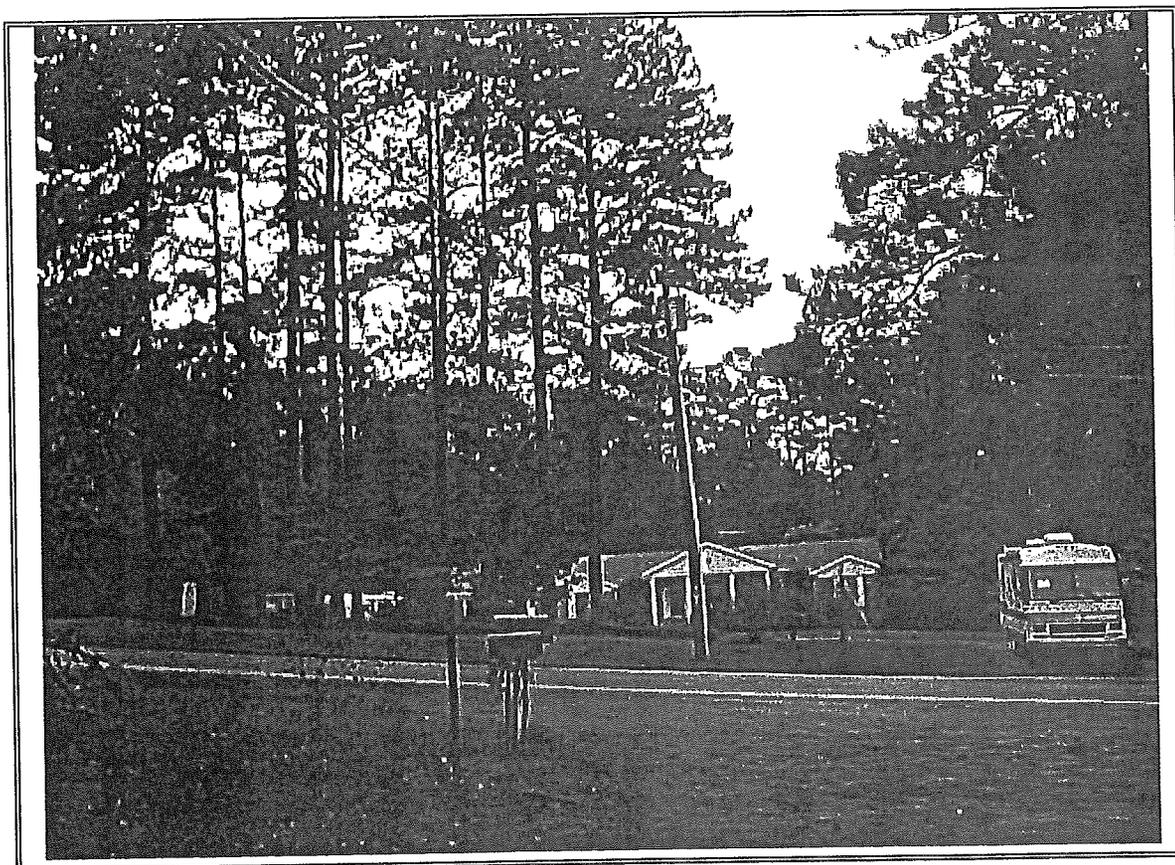


Photo # 2. View to the east looking across Johnson Road at a residential house.



Photo # 3. View of residential structure located on the southern portion of the Project Site. This structure had a pool located on the premises.

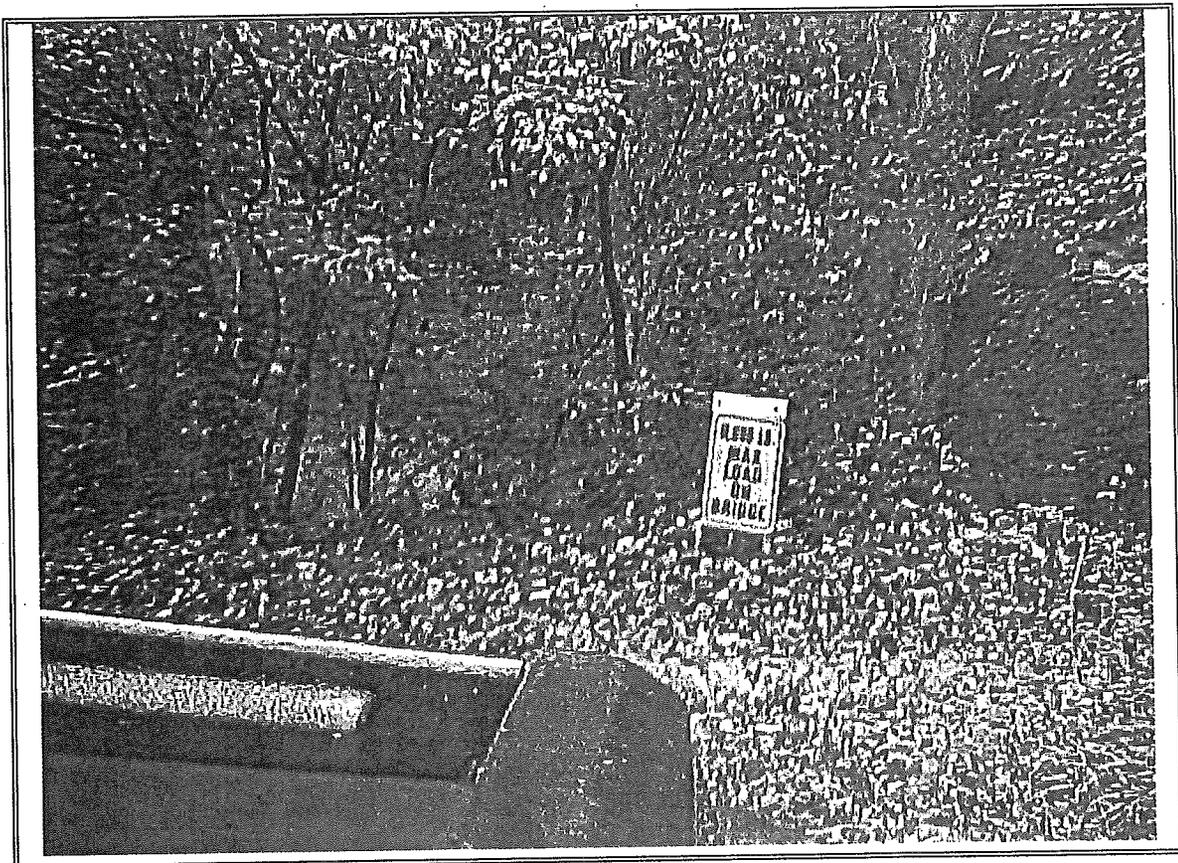


Photo # 4. View of tributary located on the southern portion of the Project Site.

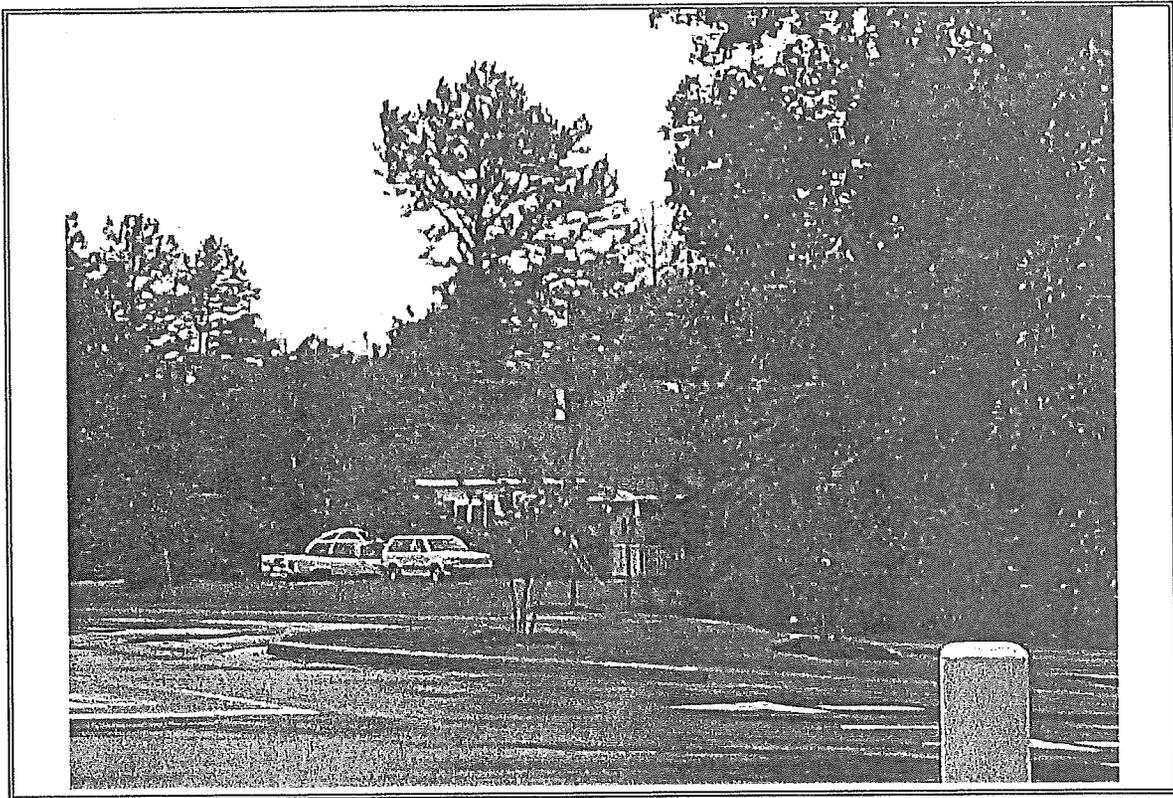


Photo # 5. View of residential structure located across from the Big H Food Store. The residential structure was on the eastern side of the Project Site.

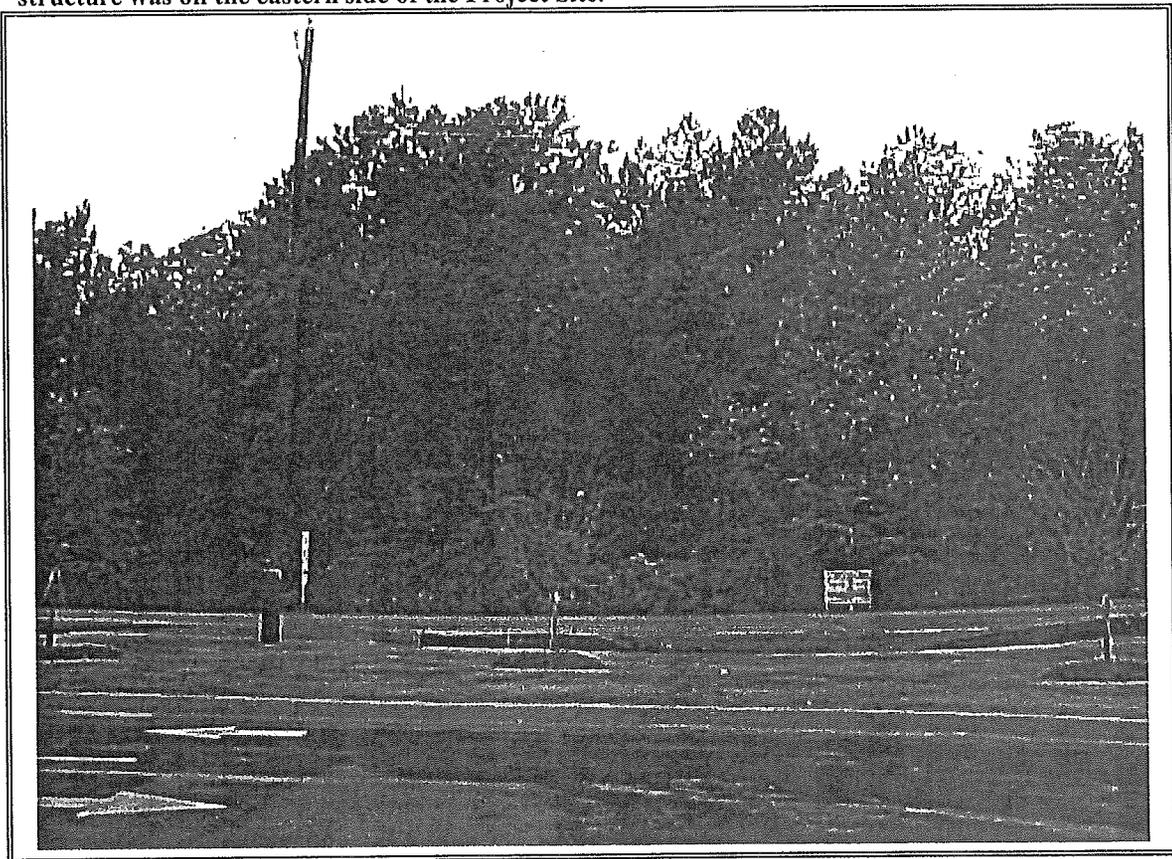


Photo # 6. View from Big H Food Store looking west across Johnson Road into the Project Site.



Photo # 7. View of the Ingles supermarket and other suites located to the east of the Project Site.



Photo # 8. View of the Big H Food Store (Amoco Station) located at the southeastern intersection of Highway 29 (Lawrenceville Highway) and Johnson Road.

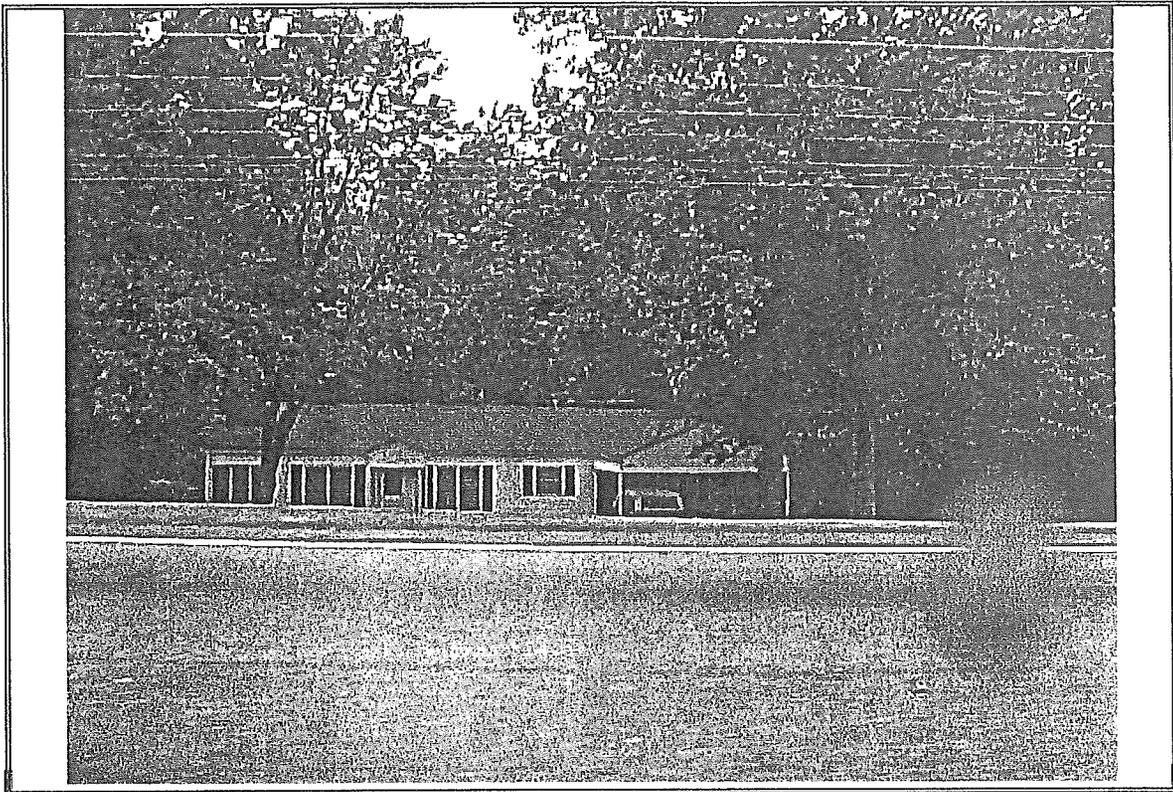


Photo # 9. View of residential house near the Project Site.

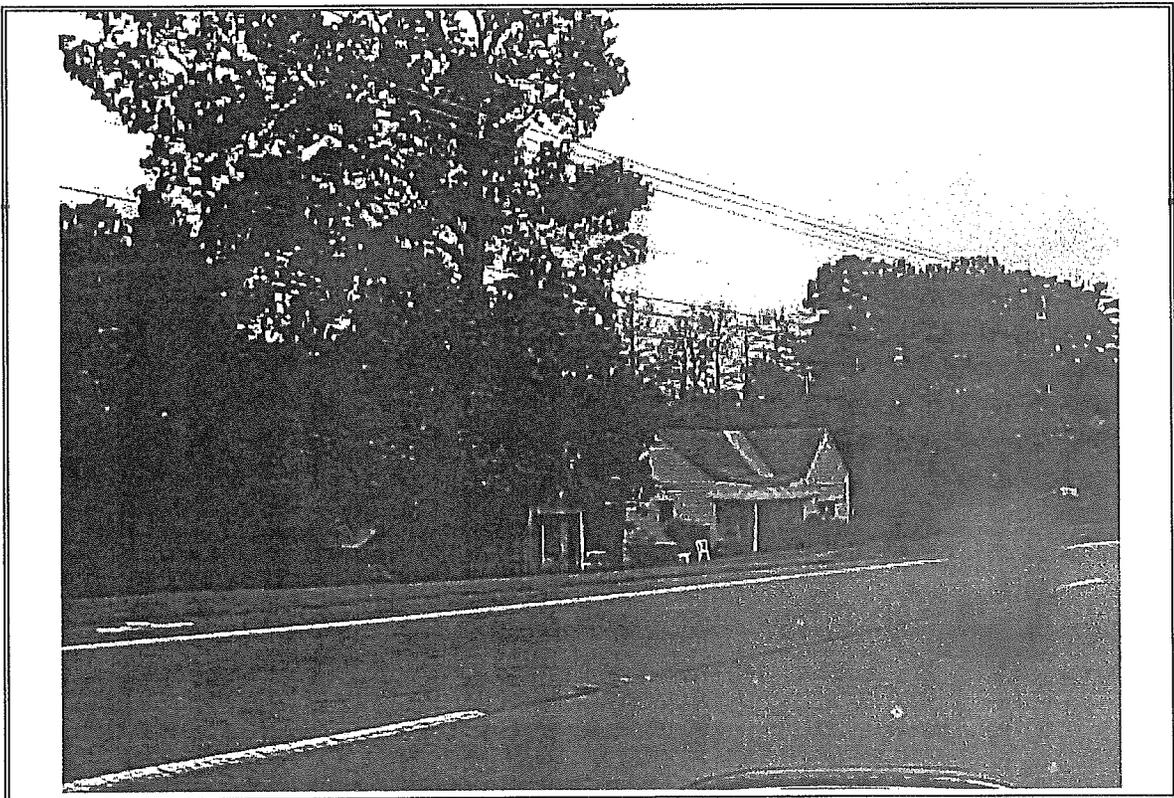


Photo # 10. View of a residential house near the Project Site.



Photo # 11. View from Highway 29 looking south at a residential house located on the northern portion of the Project Site.

APPENDIX C – REFERENCED DOCUMENTS

Geologic Map of Georgia, 1972, Georgia Geological Survey

Soil Survey of Gwinnett County, 1966, based on aerial photographs taken in 1960, United States Department of Agriculture, Soil Conservation Service

United States Geologic Survey, 7.5 Minute Topographic Map, Luxomni, GA Quadrangle, dated 1963, Photo-revised 1982

United States Geologic Survey, 7.5 Minute Topographic Map, Luxomni, GA Quadrangle, dated 1992

www.terraserver.com

www.mapquest.com

APPENDIX U – Other



SAILORS ENGINEERING ASSOCIATES, INC.

1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

May 24, 2012

Mr. Phillip A. Shannin
U.S. Army Corps of Engineers Savannah District
Regulatory Branch, Northern Section
The Plaza, Suite 200
1590 Adamson Parkway
Morrow, Georgia 30260-1777

RE: Jurisdictional Determination Request
Proposed Heritage Senior Living Facility
1340 Lawrenceville Highway
Lawrenceville, Georgia

Gentlemen:

Sailors Engineering Associates, Inc. was retained by The NuRock Companies to delineate any wetlands and/or other jurisdictional waters associated with the above referenced property. The site under investigation measures approximately 10 acres and is located in District 5, Land Lots 82 and 83, Gwinnett County, Georgia. At the time of our site visit, the subject property was in use as a rural single family residence with most of the property covered with mature hardwood trees. Mr. Robert Berry, SEA Staff Engineer, conducted a field inspection of the property on May 4, 2012.

Based on our investigation of the subject property, two small areas of wetlands, two perennial streams, Pew Creek and one small intermittent stream were identified. The jurisdictional features are located on various portions of the subject property. At the time of our investigation, a topographic/boundary survey had not been completed for the project. A Wetlands Plan generated through information obtained from the Gwinnett County GIS Department, shows the areas in question. We have included a copy of our Wetlands Delineation Report for your review.

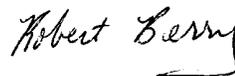
The proposed development of the property as a senior living facility will likely require a section of the intermittent stream that crosses the central portion of the subject property to be disturbed. Conceptual design plans for the proposed senior living facility layout are in progress and efforts will be made to keep impacts to a minimum. Once more concrete layout plans are complete, a request for impacts under Nationwide Permit #39 and a Pre Construction Notification will likely be necessary.

Since the project will be partially funded by the Georgia Department of Community Affairs (DCA), a request for a Jurisdictional Determination must be included with the initial submittal package to DCA. DCA will also require confirmation that the appropriate permits and Pre Construction Notification has been submitted to the Army Corps of Engineers to fund the project.

SEA respectfully requests a review of the enclosed information by the Army Corps of Engineers and a jurisdictional determination as it pertains to wetlands and other jurisdictional waters associated with the subject site. SEA will be glad to provide any additional information the Army Corps of Engineers may need to make a jurisdictional determination pertaining to the proposed senior living project property. You can contact Robert Berry at 770-962-5922 for contact information for the current property owners and your site visit.

Respectfully submitted

SAILORS ENGINEERING ASSOCIATES, INC.

A handwritten signature in black ink that reads "Robert Berry". The signature is written in a cursive style with a prominent underline at the end.

Robert Berry, Staff Engineer

Appendix D

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD):** May 14, 2012
- B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:** NuRock Corporation, 3460 Preston Ridge Road, Alpharetta, Georgia 30005
- C. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Savannah District Northern Section
- D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:** 1340 Lawrenceville Highway

(USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: Georgia County/parish/borough: Gwinnett City: Lawrenceville

Center coordinates of site (lat/long in degree decimal format): Lat: 33.93679° Long: -84.02283°

Universal Transverse Mercator:

Name of nearest waterbody: Pew Creek

Identify (estimate) amount of waters in the review area:

Non-wetland waters: 950 linear feet: 2-10 width (ft) and/or acres.

Cowardin Class: Riverine

Stream Flow: Perennial and Intermittent

Wetlands: <1 acre.

Cowardin Class: Forested

Name of any water bodies on the site that have been identified as Section 10 waters:

Tidal: none

Non-Tidal: none

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

Office (Desk) Determination. Date:

Field Determination. Date(s): May 2012 by consultant

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make

an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Luxomni, Georgia.
- USDA Natural Resources Conservation Service Soil Survey. Citation: Gwinnett County, Georgia.
- National wetlands inventory map(s). Cite name: Luxomni, Georgia.
- State/Local wetland inventory map(s):
- FEMA/FIRM maps: 13135C0087 F.
- 100-year Floodplain Elevation is: ~910 (National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): 1999, 1972, 1955.
or Other (Name & Date):
- Previous determination(s). File no. and date of response letter:
- Other information (please specify): Wetlands Plan over Gwinnett GIS 2008 Basemap.

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of
Regulatory Project Manager
(REQUIRED)

 5-17-12

Signature and date of
person requesting preliminary JD
(REQUIRED, unless obtaining the signature is
impracticable)

SAMPLE

Site number	Latitude	Longitude	Cowardin Class	Estimated amount of aquatic resource in review area	Class of aquatic resource
Area 1	33.15417°	-83.27191°	Forested	~ 4000 square feet	non-section 10 – wetland
Area 2	“	“	“	~6/10 acre	non-section 10 – wetland
North West Stream	“	“	Riverine	~ 250 linear feet	Perennial
Central Stream	“	“	“	~ 500 linear feet	Intermittent and ephemeral
South East Stream	“	“	“	~230 linear feet	Perennial
Pew Creek	“	“	“	~100 feet	Perennial

**US Army Corps of Engineers
Savannah District, Regulatory Division
Global Positioning Systems (GPS) Datasheet
Delineation of Wetlands, Streams and Other Waters
Within the State of Georgia**

USACE File Number _____ Date of Delineation _____

Name of Delineator Present _____

Make and Model of GPS Device Used (must be capable of sub-meter accuracy)

Geographic Coordinate System Used _____

Name of Continually Operated Reference Station Used for Post-processing

Date Post-processing Performed _____

Percent Dilution of Position (PDOP) (6 or less is required) _____

Name and Coordinates of Known Property Corner and/or Monument

GPS Reading of Known Property Corner and/or Monument

Frequency of Waypoints Taken During Survey _____

Note: GPS data must be provided, if requested. If GPS data and/or GPS delineation is determined unacceptable by the Savannah District, a survey sealed by a surveyor licensed in Georgia will be required.



SEA

SAILORS ENGINEERING ASSOCIATES, INC.

1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

**JURISDICTIONAL WATERS AND
WETLAND DELINEATION SURVEY
PROPOSED HERITAGE SENIOR LIVING PROJECT
1340 LAWRENCEVILLE HIGHWAY
LAWRENCEVILLE, GWINNETT COUNTY, GEORGIA**

SEA JOB #122-024



SAILORS ENGINEERING ASSOCIATES, INC.

1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

May 24, 2012

Mr. Tom Gladis
NuRock Corporation
3460 Preston Ridge Road - Suite 175
Alpharetta, Georgia 30005

RE: Jurisdictional Waters and
Wetland Delineation Survey
Proposed Heritage Senior Living Project
1340 Lawrenceville Highway
Lawrenceville, Georgia
SEA Job #122-024

Gentlemen:

In accordance with your written authorization, Sailors Engineering Associates, Inc. (SEA) has completed our wetlands delineation of the above referenced property and is pleased to provide this report with our findings. The site under investigation measures approximately 11 acres and is located in District 5, Land Lots 82 and 83, Gwinnett County, Georgia. At the time of our site visits, the subject property existed as a rural residential parcel with a dense hardwood forest surrounding an existing single family residence. No boundary or topographic survey was available for the subject property and information from the Gwinnett County Geographical Information System (GIS) department 2008 base map was used to locate the existing jurisdictional features. Other resources accessed as part of our investigation were the *Soil Survey of Gwinnett County, Georgia* published by the United States Department of Agriculture, the National Wetlands Inventory Map Luxomni, Georgia quadrangle and historical aerial photographs of the subject site dated 1955 through 2010 from various web-based resources.

On May 3 and 4, 2012, Mr. Robert Berry, SEA Staff Engineer, conducted a visual reconnaissance of the property to identify any signs of wetlands and/or State Waters. Access to the entire site was available and Mr. Berry reconnoitered the property to identify suspect wetland and jurisdictional features. The Gwinnett County GIS 2008 base map notes two blue line or perennial streams and Pew Creek associated with the subject property. Another distinctive topographic feature is noted on the base map but is not identified as a blue line stream by Gwinnett County. These features are noted on our Wetlands Plan included in the Appendix. Pew Creek crosses the extreme southwest corner of the subject property and the two blue line streams are noted as tributaries of Pew Creek. One of the blue line streams originates on the bordering property to the north and crosses the extreme northwest portion of the subject property and the other blue line stream originates on the bordering property to the southeast and crosses the extreme southeast portion of the subject property.

The National Wetland Inventory (NWI) Map Luxomni, Georgia quadrangle published by the United States Department of the Interior identifies Pew Creek as Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded (PFO1A). The two blue line streams noted on the Gwinnett County GIS base map are not highlighted on the NWI Map. The NWI map was derived from a review of aerial photographs and topographic maps and small features such as the blue line streams noted on the subject property are often omitted from the NWI maps. According to the *Soil Survey of Gwinnett County, Georgia* published by the United States Department of Agriculture, the predominant soil type located along the small streams is the Chewacla Series (Cfs) frequently flooded. This soil type is described as poorly drained, nearly level soil formed in alluvium. The soil type generally occurs on broad flood plains and along larger streams. Chewacla Soils are included on the hydric soil list for Gwinnett County. Most of the canopy along the stream and the drainage feature consisted of mature hardwoods. Typical hardwood species included Tulip Poplar, American Beech and Sweetgum.

JURISDICTIONAL SURFACE WATERS

The two blue line streams shown on the Gwinnett County GIS 2008 base map had well defined channels and water was flowing through both features at the time of our site visits. Both streams were no more than two feet wide at their widest points and the stream banks were as deep as three to four feet to the surface water in spots. Approximately 250 lineal feet of one of the blue line streams crosses the northeast corner of the subject site and a portion of the stream has been piped beneath the entrance drive to the existing residential structure. The entrance drive to the residence was built along with the house in 1976 and no improvements to the crossing have been made since its original construction. North of the subject property, this blue line creek is intermittent and appears to originate on the parcel located between Lawrenceville Highway and the subject property. This blue line stream exits the eastern property boundary and runs roughly parallel to the eastern property boundary before feeding Pew Creek to the southwest.

The other blue line stream noted on the GIS 2008 base map originates on the bordering property to the southeast and previously fed a small farm pond. Based on our review of historical aerial photographs, the small farm pond was drained prior to 1999 but the pipe leading from the dam remains. The corrugated metal pipe used to drain the pond discharges onto the subject property along the southeast property boundary. The small farm pond is noted on the NWI Map as Palustrine, Unconsolidated Bottom, Permanently Flooded, Diked/Impounded (PUBHh). A strong flow of water was spilling from the corrugated metal pipe and a well defined channel was present from the southeastern property boundary to the point where the stream feeds Pew Creek. Approximately 230 lineal feet of the blue line creek flow across the southeast corner of the subject property. The blue line stream exits the subject property to the south prior to entering Pew Creek. The stream channel was well defined along the blue line stream and the banks were as high as 4 to 5 feet above the surface water in spots. As the stream approached the flood plain of Pew Creek, the stream banks were shallow. The portion of the blue line stream within the floodplain of Pew Creek is off site.

A small section of Pew Creek crosses the extreme southwest corner of the subject property. Pew Creek is approximately 10 to 12 feet wide where it crosses the subject site and a strong flow of water as deep as 12 inches or more in spots was present at the time of our site visits. The portion of the subject property adjacent to Pew Creek is designated as 100 year flood plain according to the Flood Insurance Rate Map (FIRM) number 13135C0088F dated September 29, 2006. A copy of the FIRM is included in the Appendix.

The area designated as 100 year flood plain on the Gwinnett County GIS 2008 base map has a distinctive topographic break as the flood plain approaches the existing residence. The topography rises sharply toward the residence from the flood plain. A former water well is located at the base elevation of the 100 year flood plain. According to the current property owner, his well would run dry and he eventually connected to the municipal water supply. Between the distinctive topographic break leading to the residence and Pew Creek is a low lying area that exhibited the characteristics of a wetland habitat. A topographic highpoint is present between Pew Creek and the remaining portion of the 100 year flood plain. This small high strip adjacent to Pew Creek did not have hydric soil present within the upper 12 inches.

The final surface water feature crosses the central portion of the subject property. This feature is not noted as a blue line stream on the Gwinnett County GIS 2008 base map. During our site reconnaissance, SEA inspected the feature from the point where it enters the subject property along the east central property boundary and followed the feature to the point where it meets the blue line stream to the west of the subject property. This feature appears to originate on the residential development to the east known as Johnson Place Townhomes. The GIS base map shows the feature emanating from a storm water detention pond on the residential subdivision property. At the point where the feature enters the subject property to a point approximately 100 feet east of the existing residential driveway, the feature had a well defined channel and surface water was continuously flowing through the feature. The bed and banks were well defined through this section of the feature and the banks were as steep as 3 to 4 feet above the surface water in spots. As the feature approached the existing driveway, the well defined channel disappears and the surface water from the feature feeds a low area. Approximately 15 to 20 feet from the driveway, the surface water becomes subterranean. A small drainage pipe runs beneath the driveway and discharges to the west of the driveway. From the existing driveway to the western property boundary, no well defined channel is associated with the drainage feature and no surface water was present in this area. To the west of the western property boundary as the feature approaches the blue line stream, the channel becomes slightly more defined but no surface water was present.

From the east central property boundary to approximately 15 feet east of the existing driveway, the drainage feature exhibited the characteristics of an intermittent stream. A small low lying area is present adjacent to the feature as it approaches the existing driveway. This low lying area exhibited the characteristics of a wetland habitat. From approximately 15 feet east of the existing driveway to a point where the feature crosses the western property boundary, the feature exhibited the characteristics of an ephemeral stream.

Based on our field inspection, the two blue line or perennial streams, the intermittent stream that crosses the central portion of the subject property and Pew Creek would be considered jurisdictional waters of the United States and/or State of Georgia. Blue surveyor's ribbon was hung along the streams marking the features that would be considered jurisdictional.

WETLANDS

In addition to the jurisdictional surface waters discussed above, two areas were identified on the subject property that exhibited the characteristics of a wetland habitat. The first small wetland pocket borders the intermittent stream that crosses the central portion of the subject property. This area is noted as Wetland Area 1 on our Wetland Plan included in the Appendix. Wetland Area 1 can be described as tear-drop shaped and measures approximately 4,000 square feet in size, roughly 150 feet long and 30 feet wide at its widest point. Soil probes were conducted in and around Area 1 to determine if the soil would be considered hydric. Based on our field inspection, the soil within Area 1 would be considered hydric. Ground cover vegetation in this area was relatively sparse due to the surrounding hardwood canopy. The predominant plant species was Chinese Privet. Other under-story vegetation included Christmas Fern and some Climbing Hydrangea. The predominant canopy along this area included Sweetgums, Tulip Poplar, American Beech and various oaks. The ground water depth in Wetland Area 1 ranged from approximately 12 inches below the surface to as shallow as 1 or 2 inches below the ground surface.

The second area that exhibited the characteristics of a wetland habitat is identified as Wetland Area 2 on our Wetlands Plan included in the Appendix. Wetland Area 2 lies within the flood plain of Pew Creek. Due to the large hardwood canopy, ground cover vegetation was sparse. Some common ground cover vegetation identified in the flood plain area and Wetland Area 2 included Christmas Fern, Climbing Hydrangea and Mayapple. The predominant canopy in Area 2 included Sweetgum, Tulip Poplar, American Beech, Loblolly Pine and various oaks.

Soil probes were conducted throughout Wetland Area 2 and hydric soil was encountered in many areas. As is the case with many flood plains along a major creek, a topographic high area exists between Pew Creek and the 100 year flood plain. The sporadic high islands in the 100 year flood plain did not have hydric soil present within the upper 12 inches of the ground surface. Due to the sporadic nature of the topographic high islands in the flood plain, the Wetland Map included in the Appendix notes all the area within the flood plain as wetlands. Wetland Area 2 measures approximately 6/10 acre.

The wetland areas associated with the subject property were demarcated with orange and red pin flags in the field.

CONCLUSIONS

Based on our investigation of the subject property, two small areas of wetlands, two perennial streams, Pew Creek and one small intermittent stream were identified. Any impact to the streams or wetlands on the subject property will require prior approval from the Army Corps of Engineers and/or the Georgia Department of Natural Resources (DNR). Gwinnett County has a more stringent stream bed buffer ordinance than is required by DNR.

We have included copies of various aerial photographs and plans showing the areas on the subject property that exhibit the characteristics of jurisdictional/State Waters and/or wetlands. Several still photographs are also included in the Appendix. If we can answer any questions pertaining to our wetlands delineation and jurisdictional waters investigation, please contact us at your convenience. SEA will be glad to meet with representatives of the various regulatory agencies to aid in a jurisdictional determination.

Respectfully submitted,

SAILORS ENGINEERING ASSOCIATES, INC.



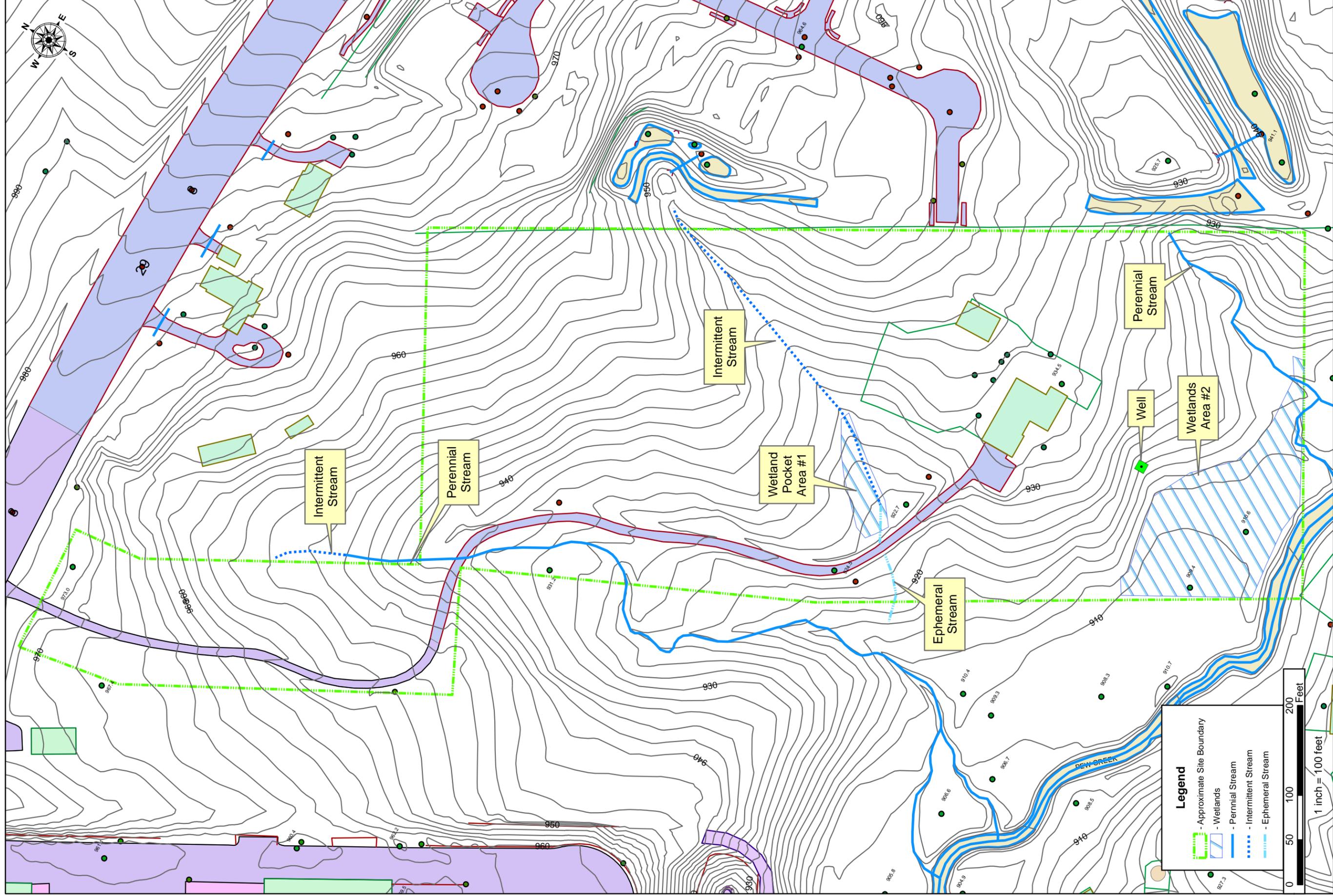
Robert Berry

Robert D. Berry, Staff Engineer

Jim D. Sailors

Jim D. Sailors, P.E.

APPENDIX



Data Sources: Gwinnett County Basemap, courtesy of Gwinnett County GIS Department

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WETLAND PLAN

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



A VIEW OF PEW CREEK



DISCHARGE PIPE FORMING SOUTHEAST PERENNIAL STREAM



A VIEW ALONG THE NORTHEAST PERENNIAL STREAM



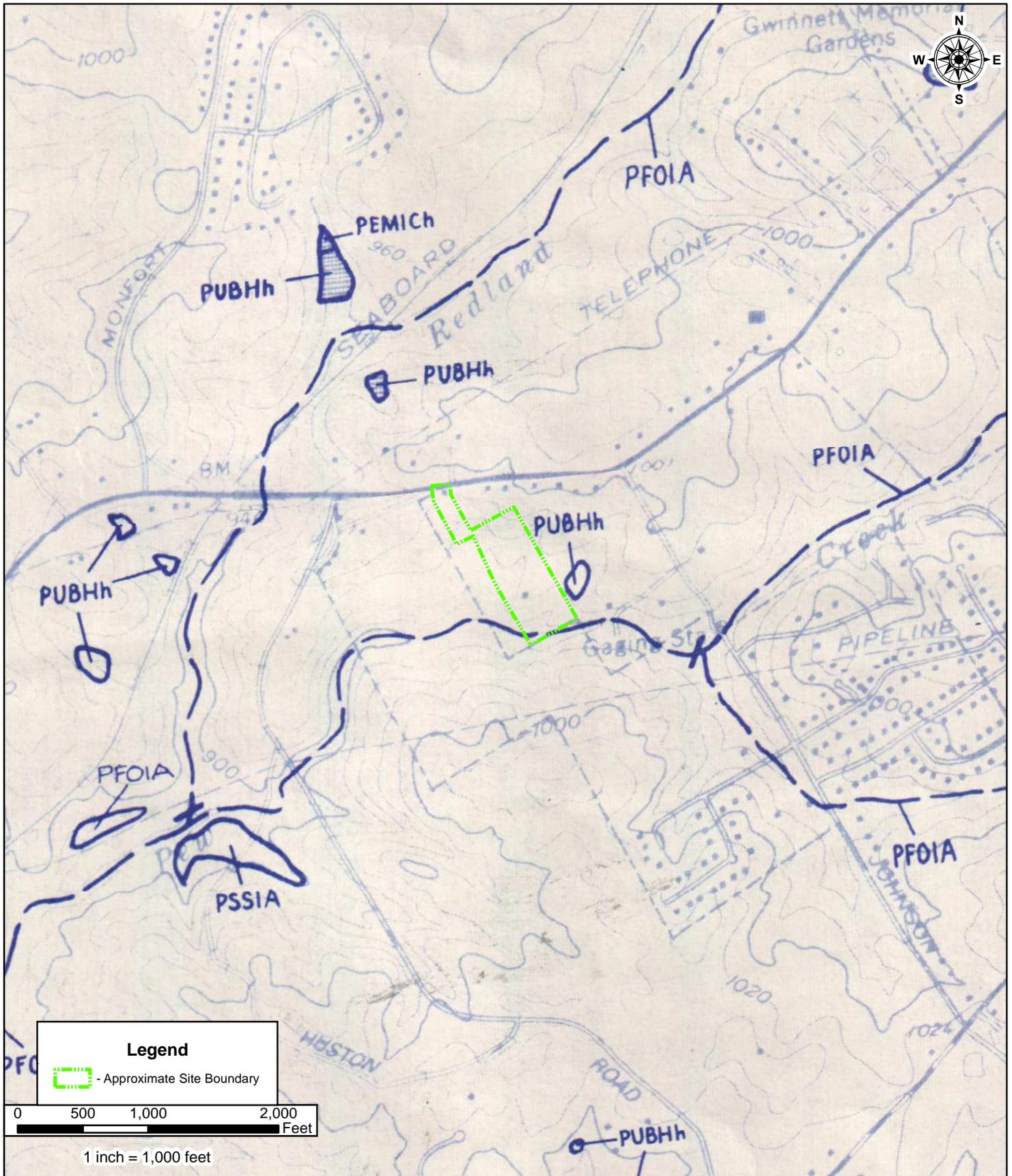
A VIEW ALONG CENTRAL INTERMITTENT STREAM



A VIEW OF WETLAND AREA ONE



A VIEW OF THE EPHEMERAL DRAINAGE FEATURE



Data Sources: 1990; 1:24,000 Luxonni, Georgia 7.5' wetlands inventory quadrangle courtesy of USDI Fish and Wildlife Department

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NWI MAP

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



U.S. Fish and Wildlife Service

National Wetlands Inventory

Heritage

Apr 30, 2012



Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

Riparian

- Herbaceous
- Forested/Shrub

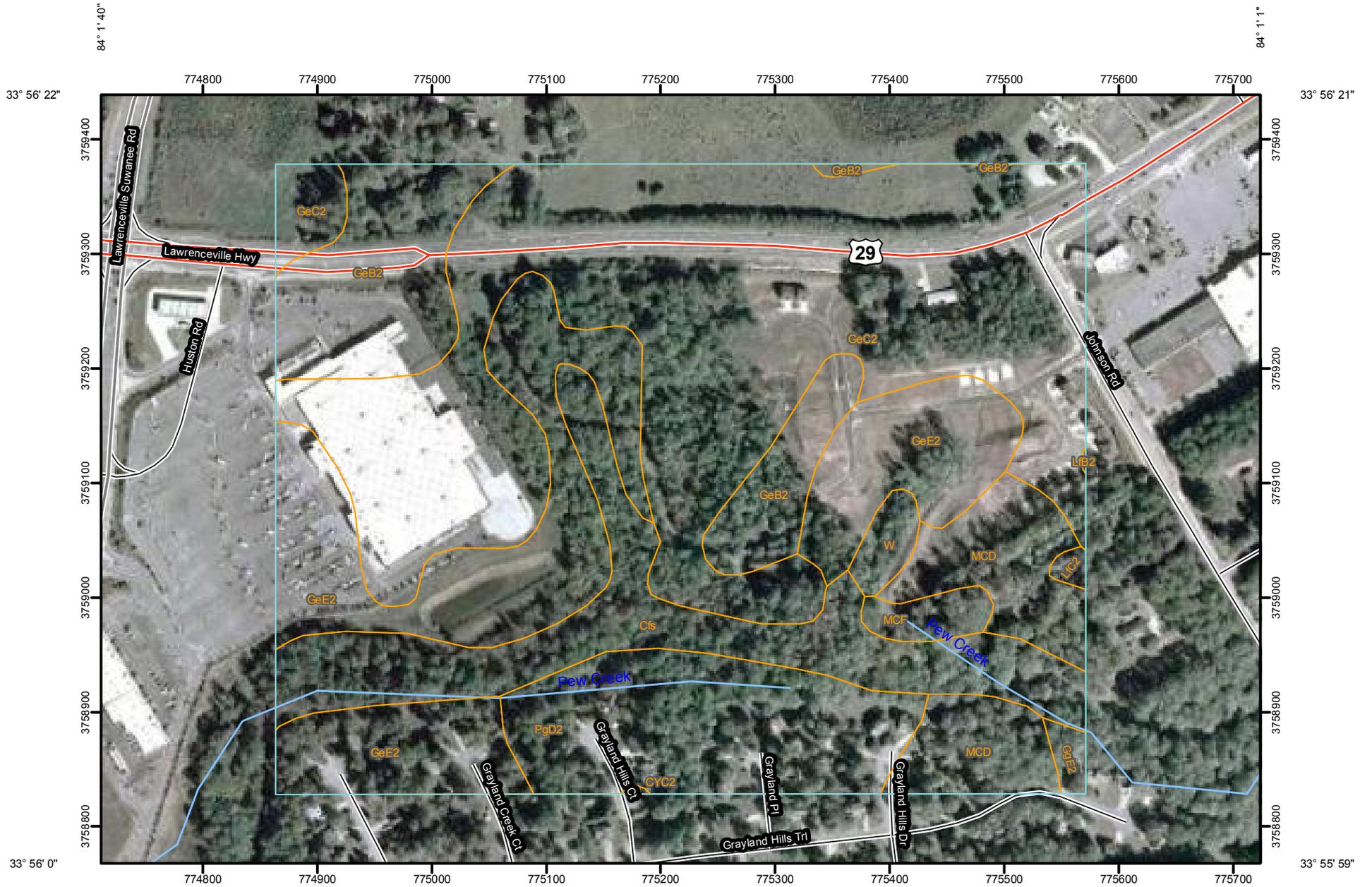
Status

- Digital
- Scan
- Non-Digital
- No Data

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

Soil Map—Gwinnett County, Georgia
(Heritage)



Map Scale: 1:4,800 if printed on A size (8.5" x 11") sheet.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

 Very Stony Spot

 Wet Spot

 Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

 Cities

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:4,800 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Gwinnett County, Georgia
Survey Area Data: Version 4, Dec 22, 2006

Date(s) aerial images were photographed: 10/10/2007

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Gwinnett County, Georgia (GA135)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Cfs	Chewacla soils, frequently flooded	10.7	11.2%
CYC2	Cecil sandy loam, 6 to 10 percent slopes, eroded	0.0	0.0%
GeB2	Gwinnett clay loam, 2 to 6 percent slopes, eroded	9.0	9.4%
GeC2	Gwinnett clay loam, 6 to 10 percent slopes, eroded	38.8	40.4%
GeE2	Gwinnett clay loam, 10 to 25 percent slopes, eroded	19.1	19.9%
GgE2	Gwinnett loam, 10 to 25 percent slopes, eroded	0.4	0.4%
LfB2	Lloyd clay loam, 2 to 6 percent slopes, moderately eroded	0.0	0.0%
LfC2	Lloyd clay loam, 6 to 10 percent slopes, moderately eroded	0.2	0.2%
MCD	Musella cobbly loam, 6 to 15 percent slopes	6.4	6.6%
MCF	Musella cobbly loam, 15 to 45 percent slopes	1.0	1.1%
PgD2	Pacolet sandy clay loam, 10 to 15 percent slopes, eroded	9.4	9.8%
W	Water	0.9	0.9%
Totals for Area of Interest		96.1	100.0%

revised 8/91

GWINNETT COUNTY, GA

HYDRIC SOIL MAP UNIT LIST

MAP SYMBOL *	MAP UNIT NAME	HYDRIC SOIL COMPONENT *	*LOCATION*FOOTNOTE
Cfs	: Chewacla soils	: Worsham as Inclusion	: Depressions:1,2
	:	:	:
Wed	: Wehadkee soils, : frequently flooded	: Whole map unit	: Depressions:1,2
	:	:	:
WkA	: Worsham sandy loam, : 0-2% slopes	: Whole map unit	: Depressions:1,3
	:	:	:
WkB	: Worsham sandy loam, : 2-6% slopes	: Whole map unit	: Depressions:1,3
	:	:	:

/ All hydric soils support woody vegetation under natural conditions.

/ Seasonally flooded.

/ Hydric only because of saturation.

All other map units may have hydric soil inclusions on flood plains, along
rainageways, in depressions, or seep areas."



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1999 aerial photography courtesy of USGS Earth Explorer

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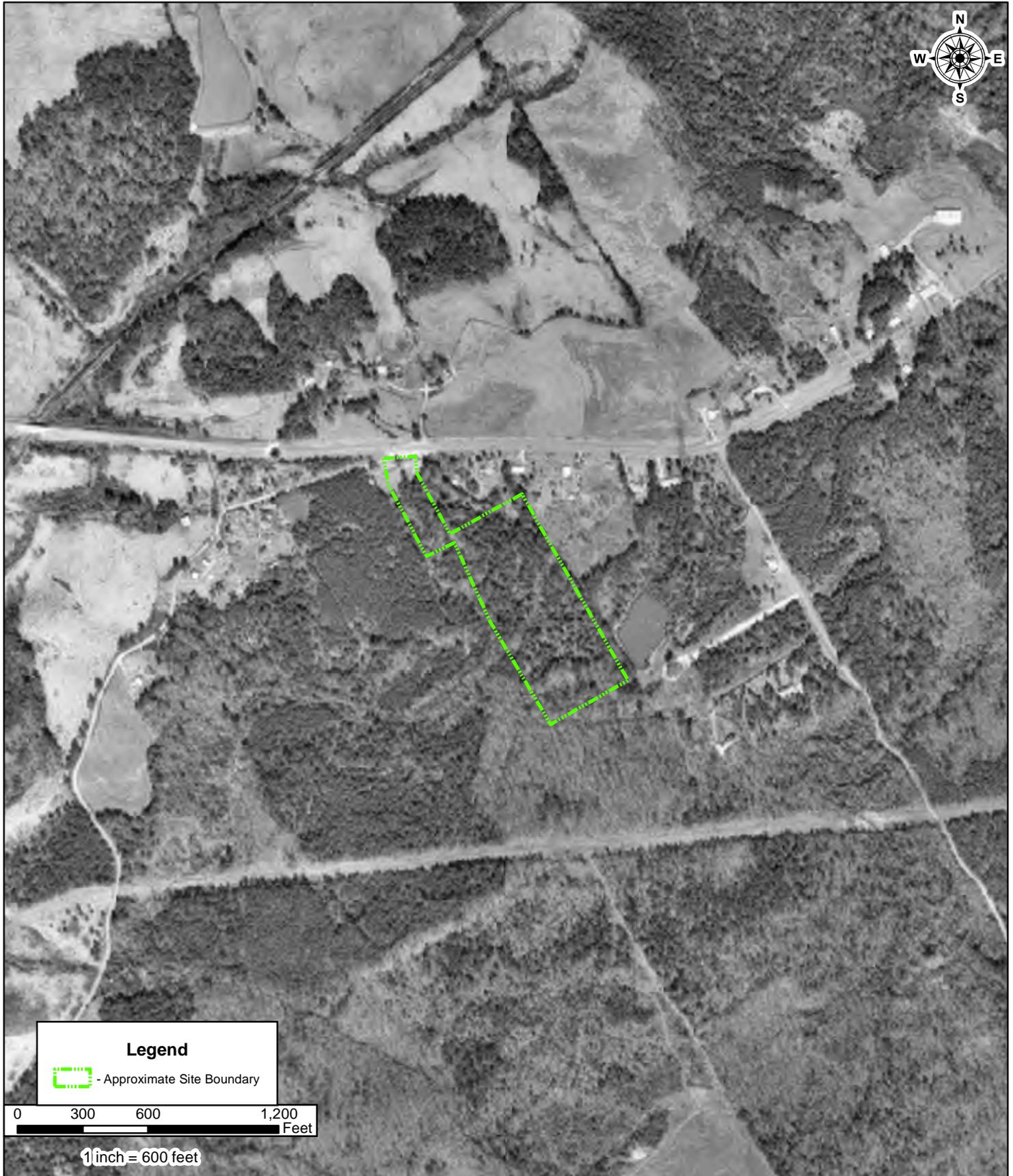
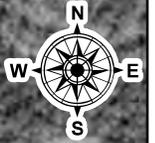
AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary

0 300 600 1,200
Feet

1 inch = 600 feet

Data Sources: 1972 aerial photography courtesy of GALILEO, Digital Library of Georgia

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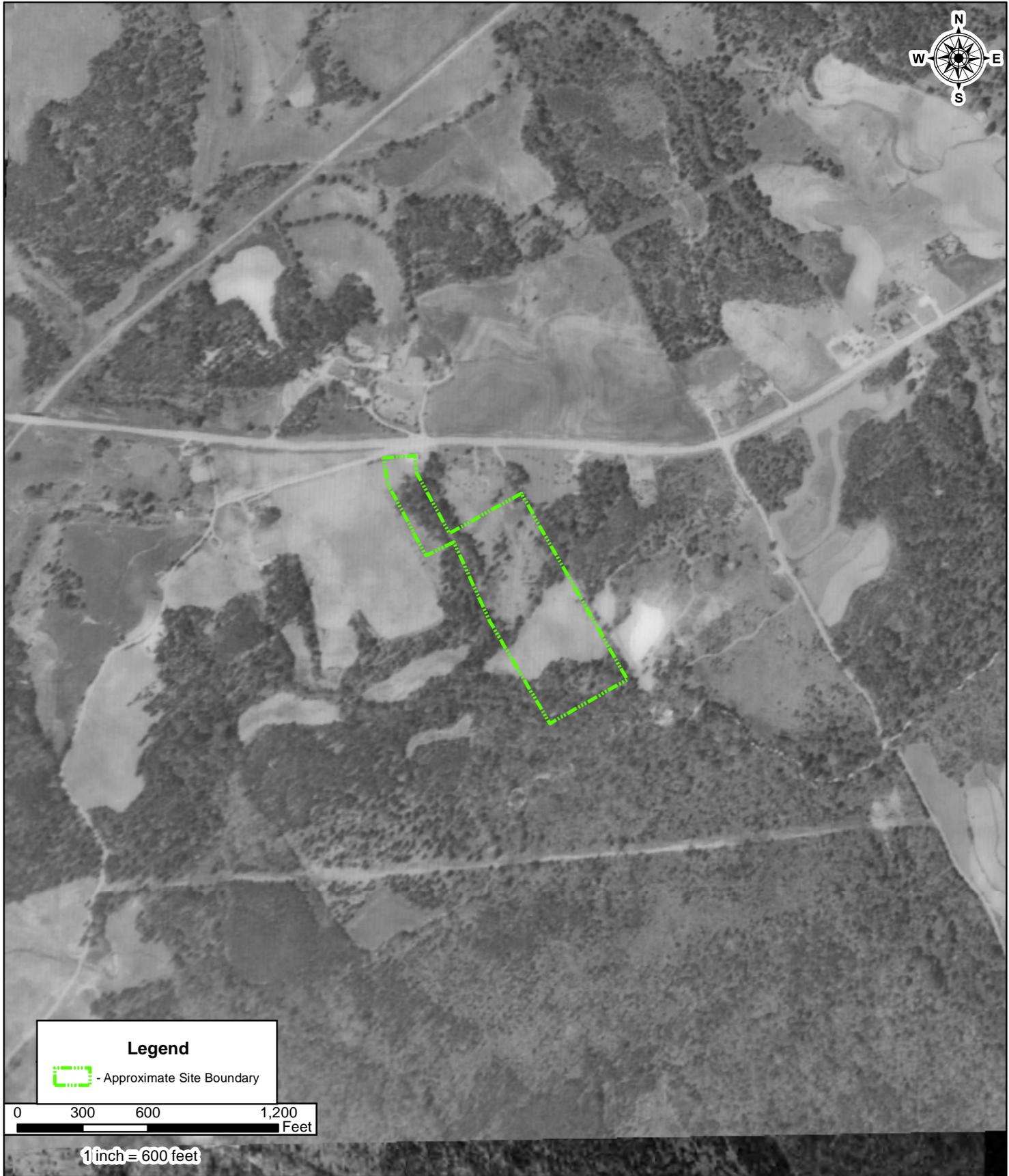
AERIAL PHOTOGRAPHY

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

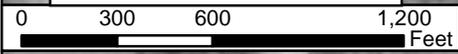
Job No. 122-024

SEA-2108



Legend

 - Approximate Site Boundary



1 inch = 600 feet

Data Sources: 1955 aerial photography courtesy of NRCS

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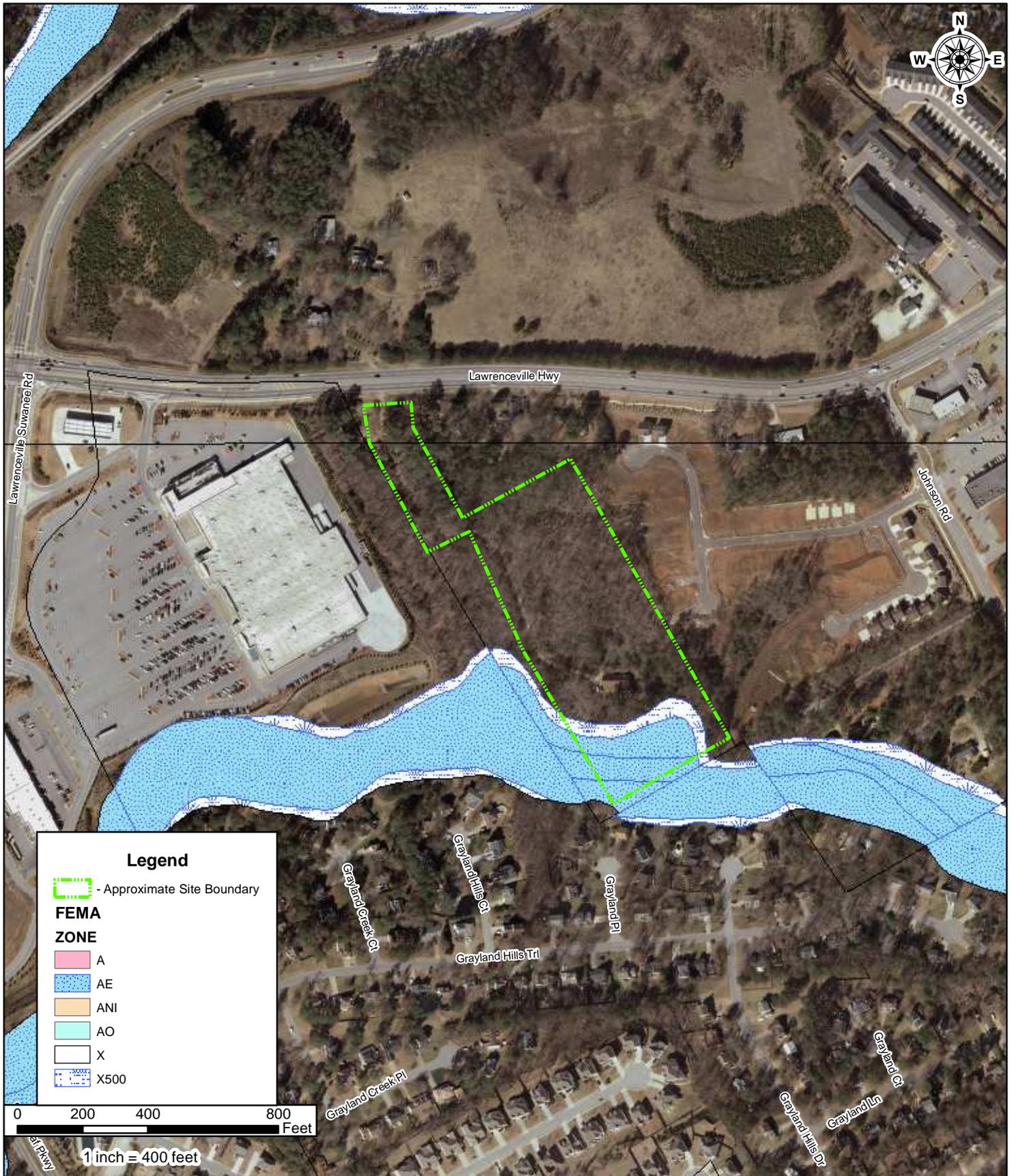
**AERIAL
PHOTOGRAPHY**

HERITAGE AT GWINNETT

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Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108



Legend

- Approximate Site Boundary

FEMA ZONE

- A
- AE
- ANI
- AO
- X
- X500

0 200 400 800 Feet

1 inch = 400 feet

Data Sources: FEMA Data courtesy of Georgia GIS Data Clearinghouse

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FIRM MAP

HERITAGE AT GWINNETT

1340 Lawrenceville Highway
Lawrenceville, Gwinnett County, Georgia

Job No. 122-024

SEA-2108

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Proposed Heritage Senior Living</u> Applicant/Owner: <u>NuRock Corporation / Myra Cassidy</u> Investigator: <u>Robert Berry</u>	Date: <u>5-14-12</u> County: <u>Gwinnett</u> State: <u>GA</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Area 1</u> Transect ID: _____ Plot ID: _____

VEGETATION

Dominant Plant Species Stratum Indicator	Dominant Plant Species Stratum Indicator
1. <u>Ligustrum Sinense</u> <u>Shrub</u> <u>FAC</u>	9. _____
2. <u>Liquidambar Styraciflua</u> <u>Tree</u> <u>FAC+</u>	10. _____
3. <u>Polystichum Acrostichoides</u> <u>Herb</u> <u>FAC</u>	11. _____
4. <u>Liriodendron Tulipifera</u> <u>Tree</u> <u>FAC</u>	12. _____
5. <u>Hydrangea anomala</u> <u>Herb</u> _____	13. _____
6. _____	14. _____
7. _____	15. _____
8. _____	16. _____
Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-).	
Remarks:	

HYDROLOGY

<input type="checkbox"/> Recorded Data (Describe in Remarks): <input type="checkbox"/> Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other <input type="checkbox"/> No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: <input type="checkbox"/> Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches <input type="checkbox"/> Water Marks <input type="checkbox"/> Drift Lines <input type="checkbox"/> Sediment Deposits <input type="checkbox"/> Drainage Patterns in Wetlands Secondary Indicators (2 or more required): <input type="checkbox"/> Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data <input type="checkbox"/> FAC-Neutral Test <input type="checkbox"/> Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>N/A</u> (in.) Depth to Free Water in Pit: <u>< 6"</u> (in.) Depth to Saturated Soil: <u>< 6"</u> (in.)	
Remarks:	

SOILS

Map Unit Name (Series and Phase): <u>Chewacla Soils (cfs)</u>		Drainage Class: _____			
Taxonomy (Subgroup): _____		Field Observations Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No			
Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
6"		2.5 YR5/0			
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils			
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input checked="" type="checkbox"/> Listed on Local Hydric Soils List			
<input checked="" type="checkbox"/> Reducing Conditions		<input checked="" type="checkbox"/> Listed on National Hydric Soils List			
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)	(Circle)
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks:	

Approved by HQUSACE 3/92

DATA FORM
ROUTINE WETLAND DETERMINATION
(1987 COE Wetlands Delineation Manual)

Project/Site: <u>Proposed Herirage Senior Living</u> Applicant/Owner: <u>NuRock Corporation / Myra Cassidy</u> Investigator: <u>Robert Berry</u>	Date: <u>5-14-12</u> County: <u>Gwinnett</u> State: <u>GA</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> Yes <input type="radio"/> No Is the site significantly disturbed (Atypical Situation)? <input type="radio"/> Yes <input checked="" type="radio"/> No Is the area a potential Problem Area? <input type="radio"/> Yes <input checked="" type="radio"/> No (If needed, explain on reverse.)	Community ID: <u>Area 2</u> Transect ID: _____ Plot ID: _____

VEGETATION

Dominant Plant Species	Stratum	Indicator	Dominant Plant Species	Stratum	Indicator
1. <u>Ligustrum Sinense</u>	<u>Shrub</u>	<u>FAC</u>	9. _____	_____	_____
2. <u>Liquidambar Styraciflua</u>	<u>Tree</u>	<u>FAC+</u>	10. _____	_____	_____
3. <u>Polystichum Acrostichoides</u>	<u>Herb</u>	<u>FAC</u>	11. _____	_____	_____
4. <u>iriodendron Tulipifera</u>	<u>Tree</u>	<u>FAC</u>	12. _____	_____	_____
5. <u>Hydrangea anomala</u>	<u>Herb</u>	_____	13. _____	_____	_____
6. <u>Pinus Taeda</u>	<u>Tree</u>	<u>FAC</u>	14. _____	_____	_____
7. _____	_____	_____	15. _____	_____	_____
8. _____	_____	_____	16. _____	_____	_____

Percent of Dominant Species that are OBL, FACW or FAC (excluding FAC-): _____

Remarks: _____

HYDROLOGY

___ Recorded Data (Describe in Remarks): ___ Stream, Lake, or Tide Gauge <input checked="" type="checkbox"/> Aerial Photographs <input checked="" type="checkbox"/> Other ___ No Recorded Data Available	Wetland Hydrology Indicators: Primary Indicators: ___ Inundated <input checked="" type="checkbox"/> Saturated in Upper 12 Inches ___ Water Marks ___ Drift Lines ___ Sediment Deposits ___ Drainage Patterns in Wetlands Secondary Indicators (2 or more required): ___ Oxidized Root Channels in Upper 12 Inches <input checked="" type="checkbox"/> Water-Stained Leaves <input checked="" type="checkbox"/> Local Soil Survey Data ___ FAC-Neutral Test ___ Other (Explain in Remarks)
Field Observations: Depth of Surface Water: <u>N/A</u> (in.) Depth to Free Water in Pit: <u>< 6"</u> (in.) Depth to Saturated Soil: <u>< 6"</u> (in.)	Remarks: _____

SOILS

Map Unit Name (Series and Phase): <u>Chewacla Soils (cfs)</u>		Drainage Class: _____			
Taxonomy (Subgroup): _____		Field Observations Confirm Mapped Type? <input checked="" type="radio"/> Yes <input type="radio"/> No			
Profile Description:					
Depth (inches)	Horizon	Matrix Color (Munsell Moist)	Mottle Colors (Munsell Moist)	Mottle Abundance/ Size/Contrast	Texture, Concretions, Structure, etc.
6"		2.5 YR3/0			
Hydric Soil Indicators:					
<input type="checkbox"/> Histosol		<input type="checkbox"/> Concretions			
<input type="checkbox"/> Histic Epipedon		<input type="checkbox"/> High Organic Content in Surface Layer in Sandy Soils			
<input type="checkbox"/> Sulfidic Odor		<input type="checkbox"/> Organic Streaking in Sandy Soils			
<input type="checkbox"/> Aquic Moisture Regime		<input checked="" type="checkbox"/> Listed on Local Hydric Soils List			
<input checked="" type="checkbox"/> Reducing Conditions		<input checked="" type="checkbox"/> Listed on National Hydric Soils List			
<input checked="" type="checkbox"/> Gleyed or Low-Chroma Colors		<input type="checkbox"/> Other (Explain in Remarks)			
Remarks:					

WETLAND DETERMINATION

Hydrophytic Vegetation Present? <input checked="" type="radio"/> Yes <input type="radio"/> No (Circle)	(Circle)
Wetland Hydrology Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Hydric Soils Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Is this Sampling Point Within a Wetland? <input checked="" type="radio"/> Yes <input type="radio"/> No
Remarks:	

Approved by HQUSACE 3/92