Phase I Environmental Site Assessment

Vacant G&B Oil Property

Boone, North Carolina

June 6, 2014

Terracon Project No. 71147714.3

Prepared for:

Harrod/AP, LLC

Smyrna, Georgia

Prepared by:

Terracon Consultants, Inc.

Charlotte, North Carolina

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June 6, 2014

Mr. Glenn Weaver
Harrod/AP, LLC
3361 Fieldwood Drive
Smyrna, Georgia 30080

Re: Phase I Environmental Site Assessment
Vacant G&B Oil Property
208 Poplar Grove Road
Boone, Watauga County, North Carolina
Terracon Job Number 71147714.3

Dear Mr. Weaver:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment report for the above-referenced site. This assessment was performed in accordance with our Proposal No. 71147E021 dated March 4, 2014. It is our understanding that this assessment was conducted as part of due diligence activities for a potential real estate transaction.

We appreciate the opportunity to perform these services for you. Please contact us if you have questions regarding this information or if we can provide any other services.

Sincerely,
Terracon Consultants, Inc.

Stephen C. Brown
Project Geologist

Christopher L. Corbitt, PG
Senior Project Manager

Attachments

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

VACANT G&B OIL PROPERTY
208 POPLAR GROVE ROAD
BOONE, WATAUGA COUNTY, NORTH CAROLINA

Project No. 71147714.3
Report Date: June 6, 2014

EXECUTIVE SUMMARY

This Phase I ESA was performed in accordance with our Proposal No. 71147E021 dated March 4, 2014 and with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Mr. Stephen C. Brown, Environmental Professional. Mr. Brown performed the site reconnaissance on March 4, 2014.

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section; thus, the report must be read in its entirety for a comprehensive understanding of the items contained herein.

- The site is comprised of an approximate 0.68-acre portion of a larger 0.841-acre parcel located at 208 Poplar Grove Road in Boone, Watauga County, North Carolina. The property is identified in Watauga County tax records as Parcel No. 2900698658000. The site is developed with an approximate 1,536-square foot warehouse/shop building and an approximate 960-square foot office building. The buildings were reportedly constructed in 1952 and 1970, respectively. The site was operated by various entities as a bulk fuel oil distributorship; however, the buildings are currently vacant.

- During our site reconnaissance, Terracon observed the warehouse/shop and office buildings; however, the buildings were locked and inaccessible at the time of our visit. We observed an approximate 500-gallon heating oil AST located along the north side of the office building. We did not observe obvious evidence of a release such as staining on the ground surface near the tank. We observed Boone Creek which generally parallels the northern property boundary. Terracon observed an oily sheen on water ponded in the southwestern portion of the site in an area that formerly contained an aboveground storage tank (AST) “tank farm”. The sheen is an indication of a petroleum release and therefore constitutes a REC.

- Historically, the site appears to have been operated as a bulk fuel oil distribution facility from at least 1947 until about 2012 when operations ceased. The nearby surrounding properties to the north and northeast of the site along West King Street

have been operated as various commercial businesses since at least the late 1940s. The adjoining property to the east appears to have been vacant until the present-day office building was constructed in 1990. Areas farther to the east-southeast were developed as a farm and gardening supply store in the 1950s which operated until the store was closed in 2013. Areas to the south of the site have remained wooded. The adjoining property to the west appears to have been farm land until the Watauga Agricultural Center was constructed in the 1960s. The surrounding property uses have remained relatively unchanged since that time. Terracon did not identify obvious evidence of RECs associated with past uses of the nearby surrounding properties.

- The adjoining properties to the north of the site are occupied by the Watauga County Agriculture Center and associated outbuildings. Areas farther to the northeast along West King Street are comprised of various retail shops, restaurants and office buildings. The adjoining property to the east of the site is occupied by a vacant office building. Areas farther to the east-southeast include Appletree Apartments and a vacant Southern States store property. The adjacent properties to the south of the site across Poplar Grove Road are comprised of mostly wooded land with a few single-family residences. The adjoining property to the west is a continuation of the Watauga County Agriculture Center facility.

- No regulatory records were identified for the site. The Smithey property located at 877 West King Street is an adjoining property to the north which is identified on the LUST list. According to regulatory records, petroleum contamination was discovered during UST removal activities in March 1995 at the Smithey property. There was no documented impact to groundwater. The Smithey property is hydraulically separated from the site by Boone Creek; therefore, potential contamination originating from the Smithy property would not be expected to impact the site. The remaining identified properties with regulatory listings are either too distant or situated within a different local drainage area such that potential contamination originating from the identified properties would not be expected to impact the site.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 of the property located at 208 Poplar Grove Road in Boone, Watauga County, North Carolina.

Terracon considers the approximate 60-year use of the site a bulk fuel oil distributor, including at least two reported petroleum spills and documented impacts to groundwater, as a REC.

Recommendations

Based on the shallow depth of petroleum-contaminated groundwater on the site, there is a potential vapor intrusion concern for future building construction. If the site is planned for redevelopment with an occupied building, we recommend vapor intrusion concerns be further evaluated once a site plan has been developed for the property.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
VACANT G&B OIL PROPERTY
208 POPLAR GROVE ROAD
BOONE, WATAUGA COUNTY, NORTH CAROLINA

Project No. 71147714.3
Report Date: June 6, 2014

1.0 INTRODUCTION

1.1 Site Description

Site Name	Vacant G&B Oil Property
Site Location/Address	208 Poplar Grove Road Boone, Watauga County, North Carolina
Land Area	Approximately 0.68 acres
Site Improvements	The site is currently developed with an approximate 1,536-square foot warehouse/shop building and an approximate 960-square foot office building. Remaining portions of the site are mostly gravel-covered parking and driveway areas.

The site location is depicted on Figure 1 of Appendix A which was reproduced from a portion of the USGS 7.5-minute series topographic map. A Site Plan depicting the site and adjoining properties is included as Figure 2 of Appendix A. Acronyms and terms used in this report are described in Appendix B.

1.2 Scope of Services

This Phase I ESA was performed in accordance with our proposal No. 71147E021 dated March 4, 2014 and the procedures included in ASTM E 1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, user-provided information, and a visual non-invasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are discussed in the report text.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have

endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are non-invasive and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, expressed or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Significant Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, business environmental risk evaluations, or other services not particularly identified and discussed herein. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following items:

- *The on-site site buildings were locked and inaccessible at the time of our site visit.*
- *Uses of the site were only described as far back as 1947, at which time the site was developed with structures.*

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of the significance of these data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date

may result in an alteration of our report. We have no obligation to provide information obtained or discovered by us after the date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Furthermore, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of Harrod/AP, LLC. Use or reliance by any other party is prohibited without the written authorization of Harrod/AP, LLC and Terracon Consultants, Inc.

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, the ESA report, and Terracon's Agreement for Services. The limitation of liability defined in the Agreement for Services is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E 1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E 1527-13.

1.6 Client Provided Information

Mr. Glenn Weaver of Harrod/AP, LLC completed a User Questionnaire providing the following information. The responses are summarized below.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.			X
Actual Knowledge of a Significantly Lower Purchase Price because of hazardous substances or petroleum products.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.		X	
Obvious Indicators of Contamination at the site.		X	

Mr. Weaver provided Terracon with copies of two previous environmental assessment reports indicating the presence of petroleum contamination in soils and groundwater on the site. In our opinion, the presence of petroleum contamination in groundwater on the site constitutes a REC. The environmental reports are further discussed in Section 3.10 below. A copy of the questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
The site is located in the Blue Ridge Physiographic Province. The Blue Ridge is a mountainous area consisting of steep ridges, inter-mountain basins and valleys that intersect at various angles. According to the USGS topographic map (**Figure 1**); the site is situated on the northern flank of local mountain located to the south of the site.		
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Site elevation ranges from approximately 3,220 feet to 3,260 feet above sea level.	Boone Quadrangle, North Carolina; USGS 7.5-Minute Series topographic map, dated 1959 (photo-revised in 1978).
Surface Runoff/ Topographic Gradient	Surface runoff on the site is to the north-northeast towards Boone Creek which generally parallels the northern property boundary. Areas within about 500 feet to the south and west are upgradient. Areas to the north and east of the site are downgradient.	
Closest Surface Water	The site is located in the drainage basin for Boone Creek which generally parallels the northern property boundary of the site.	

PHYSICAL SETTING INFORMATION FOR SITE AND SURROUNDING AREA		SOURCE
Soil Characteristics		
Soil Type and Description	According to the Web Soil Survey for Watauga County, soils on the site have been mapped as Urban Land. Urban land indicates most of the soil material has been cut, filled, and graded and the natural characteristics altered or destroyed.	Web Soil Survey via the internet: http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx
Geology/Hydrogeology		
Formation	Blue Ridge Belt	Geologic Map of North Carolina, dated 1985
Description	Ygbb: Biotite Granitic Gneiss - Pinkish gray to light gray, massive to well foliated, granitic to quartz monzonitic; includes variably mylonitized orthogneiss and para-gneiss, interlayered amphibolite, calc-silicate rock, and marble.	
Primary Aquifer	Blue Ridge Aquifers: crystalline-rock aquifers	Ground Water Atlas of the United States – Segment 11 http://water.usgs.gov/ogw/
Depth To Groundwater	Within 5 feet of ground surface	Terracon's Experience
*Hydrogeologic Gradient	Based on a review of topographic maps and site area drainage characteristics, we interpret the general direction of groundwater flow direction inferred by surface topography to be to the northeast.	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources for indications of RECs. A summary of the historical review is included in Section 3.11. Copies of selected historical documents are included in Appendix D.

3.1 Historical Topographic Maps

Terracon reviewed the USGS Topographic Map, 7.5-minute series, Boone Quadrangle, North Carolina for evidence of past land usage. The map was dated 1959 and photo-revised in 1978. The site appears to be comprised of two small structures and four apparent aboveground storage tanks (ASTs) which are labeled "Gas". Areas to the north of the site along West King Street contain various commercial buildings. Structures similar to the existing Southern States store buildings are depicted farther to the southeast. Areas to the south of the site across Poplar Grove Road appear wooded.

3.2 Historical Aerial Photographs

Selected historical aerial photographs from GeoSearch, a contract environmental information provider, were reviewed at approximately 10 to 15 year intervals, if readily available, to obtain information concerning the history of development on and near the site. Evaluation of these aerials may be limited by a photograph's quality and scale. Copies of selected aerial photographs are included in Appendix D. The aerial photographs reviewed and summarized below.

- *GeoSearch, 1"=500', 1947*
- *GeoSearch, 1"=500', 1964*
- *GeoSearch, 1"=500', 1976*
- *GeoSearch, 1"=500', 1983*
- *GeoSearch, 1"=500', 1994*
- *GeoSearch, 1"=500', 1998*
- *GeoSearch, 1"=500', 2012*

Direction	Description
Site	Depicted as containing a structure similar in location and size to the former G&B Oil fuel rack. Three apparent ASTs are depicted at the former tank farm in the southwestern portion of the site (1947). The current office and warehouse buildings are depicted. Seven or eight ASTs are shown at the tank farm (1964-1998). Depicted as similar to present day conditions (2012).
North	Areas to the north of the site along West Kings Street appear to contain commercial buildings. Areas farther to the north appear to be single-family residences (1947-1976). Adjoining and nearby properties to the north are depicted as similar to present day conditions (1983-2012).
East	Depicted as vacant farm land, building similar to the existing Southern States storage building with a second attached building (1947-65). A portion of the Southern States store is depicted further to the southeast (1964). Adjoining property is depicted as a cleared, vacant lot (1976-1983). Depicted as a graded lot (1983). Adjoining and nearby properties to the east and southeast are depicted as similar to present day conditions (1994-2012).
South	The adjacent and nearby properties to the south of the site across Poplar Grove Road are depicted as a mixture of wooded areas, residential properties and open areas (1947-2012).
West	Depicted as open land, a large building is shown farther to the west (1947-1964). Depicted as similar to present day conditions (1976-2012).

3.3 Historical City Directories

Terracon reviewed selected Boone city directories available at the Watauga County Public Library and the Appalachian State University library in Boone, North Carolina to determine past occupants of the site and properties immediately surrounding the site (selected years

reviewed: 1966-1990). Since these references are copyright protected, reproductions are not provided in this report. No street numbers were provided for listings along Poplar Grove Road. Street listings for the site area were not available prior to 1966 or after 1990.

Historical City Directories

Direction	Description
Site	**Poplar Grove Road:** Hodges Oil Distributors (1978-1990), various residential (1966-1990).
East-Southeast	**Poplar Grove Road:** no identifiable listings (1966-1990).
South	**Poplar Grove Road:** no identifiable listings (1966-1990).
West	**Poplar Grove Road:** no identifiable listings (1966-1990).

3.4 Historical Fire Insurance Maps

Terracon reviewed the Sanborn maps available at the Watauga County Public Library in Boone, North Carolina and the North Carolina public library system's internet connection to the Digital Sanborn Map collection (http://www.nclive.org). Our findings are summarized in the table below.

Historical Fire Insurance Maps

Year	Site	Adjoining Properties
1947	No features depicted	N – Various businesses depicted along West King Street.
		E – Single building designated as "Lumber Storage"
		S – Burnsville (Poplar Grove) Road. No other features depicted.
		W – No features depicted.

3.5 Property Tax File Information

Based on a review of information obtained from the Watauga County GIS, the current site owner is G and B Oil Company, Inc.

3.6 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.7 Environmental Liens

Environmental lien records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.8 Zoning/Land Use Records

According to the Watauga County Planning Department via the Internet, the site is zoned as Business (B1).

3.9 Historical Interviews

Terracon interviewed Mr. Rick Caudle, Vice President of Operations, G & B Energy (G&B Oil) regarding current and past uses of the site. Mr. Caudle stated G&B Energy acquired the site in 2000. Prior to the acquisition, Mr. Caudle stated a spill reportedly occurred when a bulkhead to an aboveground petroleum storage tank (AST) had been removed to clean the tank. A delivery truck has inadvertently connected to a manifold that delivered heating oil to the open AST. The spill was immediately observed and stopped. An unknown quantity of petroleum contaminated soils was reportedly removed from the site. Mr. Caudle provided no other information regarding past uses of the site. Mr. Caudle reported he had no knowledge of current or past underground storage tanks (USTs) on the site; however, when the bulk oil facility was in operation, eight or nine ASTs were operated on the site. Mr. Caudle was unaware of other spills, releases or emergency responses on the site. He had no knowledge of environmental liens or other items of potential environmental concern associated with the site.

3.10 Prior Report Review

The client provided two previously completed environmental reports involving assessment of past petroleum operations on the site.

Preliminary Site Environmental Investigation *Appalachian Energy Facility, Boone, North Carolina;* from Enviro-Pro P.C. (EP), dated June 16, 2011. According to the report, EP collected soil and groundwater samples at various locations on the site that were analyzed for various petroleum constituents by Prism Laboratories in Charlotte, North Carolina. Findings indicated petroleum constituents were present in soils and groundwater at the site. While EP provided a cost estimate to remove soils, no recommendations were provided.

Site Assessment Report *Former Bulk Fuel Facility; 208 Poplar Grove Road; Boone, North Carolina;* from EP, dated November 30, 2012. The purpose of the investigation appeared to be to evaluate the magnitude and extent of petroleum contamination on the G&B Oil

property. According to the report, EP collected soil and groundwater samples at various locations on the site that were analyzed for various petroleum constituents by Shealy Environmental Services, Inc., in Columbia, South Carolina. Findings indicated petroleum constituents were present in soils and groundwater at the site. EP recommended removing approximately 900 cubic yards of petroleum impacted soils.

Terracon is currently completing a soil and groundwater assessment of the G&B bulk fuel facility. Based on our preliminary findings, groundwater on the subject property appears to be impacted by the petroleum release on the adjoining G&B Oil property. A copy of our soil and groundwater assessment report will be issued under separate cover.

3.11 Historical Use Information Summary

Historically, the site appears to have been operated as a bulk fuel oil distribution facility from at least 1947 until about 2012 when operations ceased. The nearby surrounding properties to the north and northeast of the site along West King Street have been operated as various commercial businesses since at least the late 1940s. The adjoining property to the east appears to have been vacant until the present-day office building was constructed in 1990. Areas farther to the east-southeast were developed as a farm and gardening supply store in the 1950s which operated until the store was closed in 2013. Areas to the south of the site have remained wooded. The adjoining property to the west appears to have been farm land until the Watauga Agricultural Center was constructed in the 1960s. The surrounding property uses have remained relatively unchanged since that time. Terracon did not identify obvious evidence of RECs associated with past uses of the nearby surrounding properties.

4.0 RECORDS REVIEW

Regulatory database information was provided by GeoSearch, a contract information services company. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. Our scope of services did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are facilities identified on federal and state/tribal databases within the ASTM-required search distances. Database definitions, descriptions, and the database search report are included in Appendix E.

Federal and State Databases

Database	Description	Radius (Miles)	Listings
	Federal		
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.	1.0	0
NPL (Delisted)	The NPL (Delisted) refers to facilities that have been removed from the NPL.	0.5	0
CERCLIS	The CERCLIS database is a compilation of facilities which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to the CERCLA of 1980.	0.5	0
CERCLIS/ NFRAP	CERCLIS/NFRAP refers to facilities that have been removed and archived from EPA's inventory of CERCLA sites.	0.5	0
RCRA CORRACTS/ TSD	The EPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous waste that are undergoing "corrective action." A "corrective action" order is issued when there has been a release of hazardous waste or constituents into the environment from a RCRA facility.	1.0	0
RCRA Non-CORRACTS/ TSD	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.	0.5	0
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.	Site and adjoining properties	0
IC / EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC include various forms of caps, building foundations, liners, and treatment	Site	0

Database	Description	Radius (Miles)	Listings
	methods to create pathway elimination for regulated substances to enter environmental media or effect human health.		
Federal Brownfields	Brownfield Management System (BMS) is a database maintained by the EPA to assist in collecting, tracking and updating information, as well as reporting on the major activities and accomplishments of the various Brownfields Grant Programs.	0.5	0
ERNS	The Emergency Response Notification System (ERNS) is a listing compiled by the EPA on reported releases of petroleum and hazardous substances to the air, soil and/or water.	Site	0
Tribal Lands	Indian Lands of the United States is a database of areas with boundaries established by treaty, statute and/or executive or court order, recognized by the Federal Government as territory in which American Indian tribes have primary governmental authority. The Indian lands of the United States map layer shows areas of 640 acres or more, administered by the Bureau of Indian Affairs.	1.00	0
State/Tribal			
State HSDS	The Hazardous Substance Disposal Sites (HSDS) is a database that identifies the location, of uncontrolled and unregulated hazardous waste sites (formerly called Superfund Sites) in North Carolina. The HSDS list is maintained by the North Carolina Department of Environment and Natural Resources (NCDENR), Inactive Hazardous Sites Branch (IHSB). The HSDS list is a subset of the IHSB's Inactive Hazardous Sites inventory and includes facilities identified on the CERCLIS, NPL and SPL sites.	1.00	0
State IHS	The NCDENR Superfund Section, known as the Inactive Hazardous Sites Branch (IHSB) maintains an inventory of Inactive Hazardous Sites where a release of hazardous substances has been reported and includes active and inactive facilities and a variety of property types. The term "inactive" refers to the fact that cleanup was inactive at a large number of these sites at the time the program was enacted.	1.00	2
State SWL	The State Solid Waste Landfills (SWL) and Landfill Sites (LF) lists are a database of facilities located within North Carolina that may include active or inactive facilities or open dumps. The database information may also include the facility name, class, operation type, area, estimated operational life, and owner. The database is maintained by the NCDENR.	0.50	0
State LAST	The Leaking Aboveground Storage Tank (LAST) database is an inventory of reported leaking AST incidents. The database is maintained by the NCDENR.	0.50	0
State/Tribal LUST	The Leaking Underground Storage Tank (LUST) database is an inventory of reported leaking UST incidents. The database is maintained by the NCDENR.	0.50	11
State/Tribal UST	The State/Tribal Underground Storage Tank (UST) database is generated by the NCDENR and US EPA Region 4. USTs are regulated under subtitle 1 of RCRA and are required to be registered with the state department responsible for administering	0.25	4

Database	Description	Radius (Miles)	Listings
	the UST program. This list does not include residential heating oil USTs since they are not required to be registered with the State of North Carolina.		
State IC	Institutional Controls (IC) is a listing of No Further Action Sites with land use restrictions monitoring. The database is maintained by the NCDENR.	Site	0
State VCP	The Voluntary Cleanup Program (VCP) is a listing responsible party voluntary action sites. The database is maintained by the NCDENR.	0.50	0
State Brownfields	The Brownfields Project Inventory is a database of Active Eligible Sites, Projects, Pending Eligibility and Finalized Brownfields Agreements. The North Carolina Brownfields Program encourages the safe reuse of abandoned properties that have some measure of environmental impairment. The Brownfields Management System (BMS) is designed to assist EPA in collecting, tracking and updating information, as well as reporting on the major activities and accomplishments of the various Brownfield Grant Programs. The database is maintained by the NCDENR.	0.50	0
State DCSCA	The NCDENR Dry-Cleaning Solvent Cleanup (DCSCA) Program maintains a database of dry-cleaning sites, active and abandoned, of reported releases that the NCDENR has knowledge of.	0.25	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

No regulatory records were identified for the site. Seventeen records were identified for nearby properties within the established ASTM search radii. The following table summarizes site-specific information provided by the regulatory database review and other information gathered by Terracon. A more detailed discussion of selected facilities may follow the summary table.

Listed Facilities

Facility Name And Location	Estimated Distance/Direction/Gradient	Database Listings
Smithey Property 877 West King Street	adjoining / north / upgradient	LUST
Watauga County Courthouse 842 West King Street	300 feet / northeast / upgradient	UST, LUST

Smithey Property, located at 877 West King Street, is an upgradient, adjoining property to the north of the site that is identified on the LUST list. According to regulatory records, petroleum contamination was discovered during UST removal activities in March 1995 at the

Smithey property. There was no documented impact to groundwater. The responsible party either became insolvent or was never identified; therefore, the incident was transferred to the NCDENR State Lead Program where the release was abated by soil removal or remediation. The incident was subsequently closed by the NCDENR in April 2009. The Smithey property is hydraulically separated from the site by Boone Creek; therefore, potential contamination originating from the Smithy property would not be expected to impact the site.

Watauga County Courthouse, located at 842 West King Street, is an upgradient property situated approximately 300 feet north of the site that is identified on the UST and LUST lists. According to regulatory records, an 8,000-gallon heating oil UST and its replacement, an 8,000-gallon heating UST were closed at the courthouse property in 1994 and 2005, respectively. No details were provided as to whether the USTs were closed in-place or removed from the courthouse property. The Watauga County Courthouse currently operates a 5,000-gallon heating oil UST. Records further indicated an abandoned heating oil UST was discovered at the courthouse property during construction activities in October 2005. Petroleum contamination was discovered during the UST removal activities. Following soil cleanup activities, a Limited Site Assessment was completed for the incident on March 10, 2005. There was no documented impact to groundwater. The incident was subsequently closed on March 29, 2005. A second release was reported in the regulatory records. No incident release date was provided; however, records indicate cleanup activities were completed in September 2005 and the incident was closed by the NCDENR in October 2005. No additional details were provided. Based on the absence of documented impact to groundwater and the regulatory closure status, the reported releases at the Watauga County Courthouse do not appear to represent a potential environmental concern at this time.

The remaining facilities listed in the database search report are either too distant (i.e., greater than 1,000 feet) or are situated within a different local drainage basin; such that, potential contamination originating from the identified facilities would not be expected to impact the site.

Unmapped facilities do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The search report did not identify potential unmapped facilities in the site area.

4.2 Local Agency Inquiries

4.2.1 Boone Fire Department

Terracon contacted Mr. Ronnie Marsh, Fire Marshal for the Boone Fire Department, and requested a review for records regarding the site and surrounding properties. Mr. Marsh stated the Boone Fire Department had no record of responses for the subject property. Mr. Marsh further stated the Boone Fire Department responded to at least two releases at the Hodges (G&B) Oil facility along Poplar Grove Road. One incident occurred about 2000 when an AST was being cleaned. A bulkhead had been removed to access the tank interior for cleaning purposes when a truck delivering product to the site inadvertently began off-loading petroleum directly to the open tank. The petroleum was reportedly contained before it reached Boone Creek and an unknown quantity of contaminated soils was removed from the site as part of clean-up activities. Terracon found no evidence the incident was reported to the NCDENR. In our opinion, the petroleum releases on the site constitute a REC.

4.2.2 Local/Regional Water Quality Agency

Potable water for the site is provided to the site by the Town of Boone. The Town of Boone obtains its water from Winkler's Creek and South Fork of the New River. Based upon a review of the 2012 Water Quality Report, the water is in compliance with current EPA regulations.

4.3 Records Review Summary

No regulatory records were identified for the site. The Smithey property located at 877 West King Street, is an adjoining property to the north that is identified on the LUST list. According to regulatory records, petroleum contamination was discovered during UST removal activities in March 1995 at the Smithey property. There was no documented impact to groundwater. The Smithey property is hydraulically separated from the site by Boone Creek; therefore, potential contamination originating from the Smithy property would not be expected to impact the site. The remaining identified properties with regulatory listings are either too distant or situated within a different local drainage area such that potential contamination originating from the identified properties would not be expected to impact the site.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking on the site. Figure 2 in Appendix A is a Site Plan showing features on the site and

adjoining properties. Photographic documentation of the site at the time of the visual reconnaissance is provided in Appendix F. Credentials of the individuals planning and conducting the site visit are included in Appendix G.

General Site Information

Site Reconnaissance	
Field Personnel	Stephen C. Brown
Reconnaissance Date	March 4, 2014
Weather Conditions	Overcast and mild
Site Contact/Title	Mr. Rick Caudle / Vice-President, G&B Energy
Site Description	
Site Name	Vacant G&B Oil Property
Site Location/Address	190 Poplar Grove Road; Boone, North Carolina
Land Area	Approximately 0.68 acres
Site Improvements	The site is currently developed with an approximate 1,536-square foot warehouse/shop building and an approximate 960-square foot office building. Remaining portions of the site are mostly gravel-covered parking and driveway areas.
Zoning	Business (B1)
Site Utilities	
Electricity	Blue Ridge Electric Membership Corporation
Drinking Water	Town of Boone
Wastewater	Town of Boone

5.2 General Description of Site, Occupants and Operations

The site is comprised of an approximate 0.68-acre portion of a larger 0.841-acre parcel located at 208 Poplar Grove Road in Boone, Watauga County, North Carolina. The property is identified in Watauga County tax records as Parcel No. 2900698658000. The site is developed with an approximate 1,536-square foot warehouse/shop building and an approximate 960-square foot office building. The buildings were reportedly constructed in 1952 and 1970, respectively. The site was operated by various entities as a bulk fuel oil distributorship. Fuel oil was delivered to the site to a location known as the Transport Unloading Area. The fuel oil was pumped through a manifold system to aboveground storage tanks (ASTs) located in the Tank Farm in the southwestern portion of the site. The ASTs supplied the product from the ASTs to the Fuel Loading Racks where it was loaded onto outbound delivery trucks. The bulk fuel equipment has since been removed and the buildings are currently vacant.

5.3 Site Observations

The following table summarizes site observations and interviews. The buildings were locked and inaccessible at the time of our site visit; therefore, our limited observations of the building interiors were by analyzing digital photographs made through windows from outside the buildings. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	
Site Operations, Processes, and Equipment	Emergency generators	
	Air compressors	
	Hydraulic lifts	
Site Operations, Processes, and Equipment	Dry cleaning	
	Photo processing	
	Laboratory hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	X
	Drums, barrels and/or containers ≥ 5 gallons	X
	MSDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators	
	Interior floor drains	
Electrical Transformers/ PCBs	Pad or pole mounted transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	

Category	Item or Feature	
Releases or Potential Releases	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Surface water discoloration, odor, sheen, and/or free floating product	X
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	X
	Quarries or pits	
	Storage/Shipping Containers	
	Wells	

Aboveground Chemical or Waste Storage

Aboveground Storage Tanks

Terracon observed an approximate 500-gallon heating oil AST located along the north side of the office building. We did not observe obvious evidence of a release such as staining on the ground surface near the tank. The AST does not appear to represent a potential environmental concern at this time.

Drums, barrels and/or containers ≥ 5 gallons

Terracon observed one 55-gallon drum inside the warehouse/shop building. The drum was labeled as containing Gyronol 102, a diesel fuel additive. Since the building was inaccessible, we were unable to evaluate the drum for leakage; however, we did not observe obvious evidence of a release such as wetness or other indications of gross staining. In our opinion, the drum does not appear to represent an environmental concern at this time.

Releases or Potential Releases

Surface water discoloration, odor, sheen, and/or free floating product

Terracon observed an oily sheen on water ponded in the southwestern portion of the site in an area that formerly contained an AST “tank” farm. The sheen is an indication of a petroleum release and therefore constitutes a REC.

Other Notable Site Features

Surface Water Bodies
Terracon observed Boone Creek which generally parallels the northern property boundary.

5.4 Interviews Conducted During Visual Reconnaissance

No interviews were conducted during the site reconnaissance.

5.5 Site Reconnaissance Summary

During our site reconnaissance, Terracon observed the warehouse/shop and office buildings; however, the buildings were locked and inaccessible at the time of our visit. We observed an approximate 500-gallon heating oil AST located along the north side of the office building. We did not observe obvious evidence of a release such as staining on the ground surface near the tank. We observed Boone Creek which generally parallels the northern property boundary. Terracon observed an oily sheen on water ponded in the southwestern portion of the site in an area that formerly contained an AST "tank" farm. The sheen is an indication of a petroleum release and therefore constitutes a REC.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	The adjoining properties to the north of the site are occupied by the Watauga County Agriculture Center and associated outbuildings. Areas farther to the northeast along West King Street are comprised of various retail shops, restaurants and office buildings.
East	The adjoining property to the east of the site is occupied by a vacant office building. Areas farther to the east-southeast include Appletree Apartments and a vacant Southern States store property.
South	The adjacent properties to the south of the site across Poplar Grove Road are comprised of mostly wooded land with a few single-family residences.
West	The adjoining property to the west is a continuation of the Watauga County Agriculture Center facility.

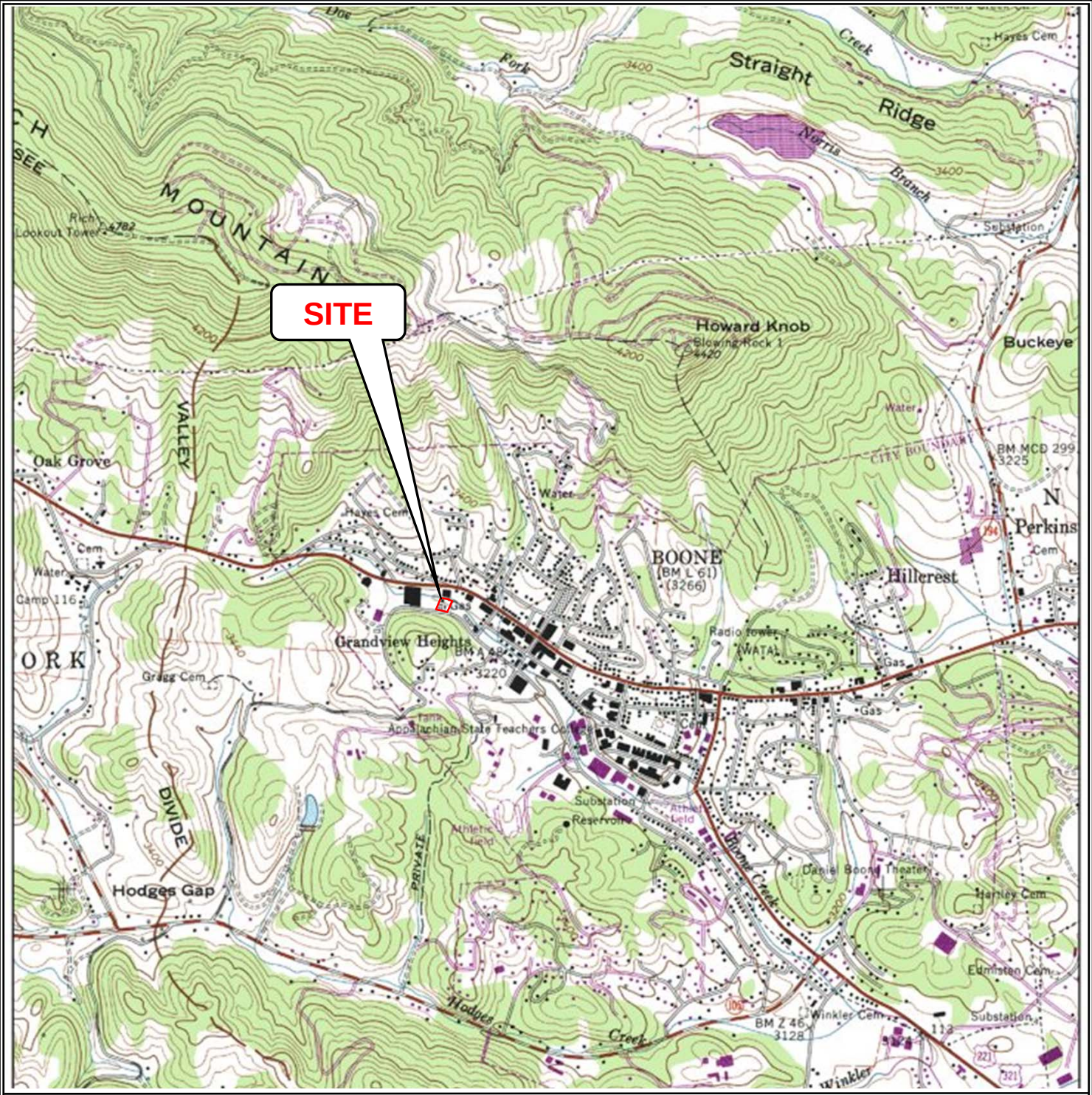
7.0 ADDITIONAL SERVICES

No additional services were requested by the client.

8.0 DECLARATION

I, Stephen C. Brown declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a site of the nature, history, and setting of the subject site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practice set forth in 40 CFR Part 312.

APPENDIX A
FIGURE 1 - TOPOGRAPHIC MAP
FIGURE 2 – SITE PLAN



TOPOGRAPHIC MAP

G&B OIL PROPERTY
208 POPLAR GROVE ROAD

BOONE, NORTH CAROLINA

Terracon

N

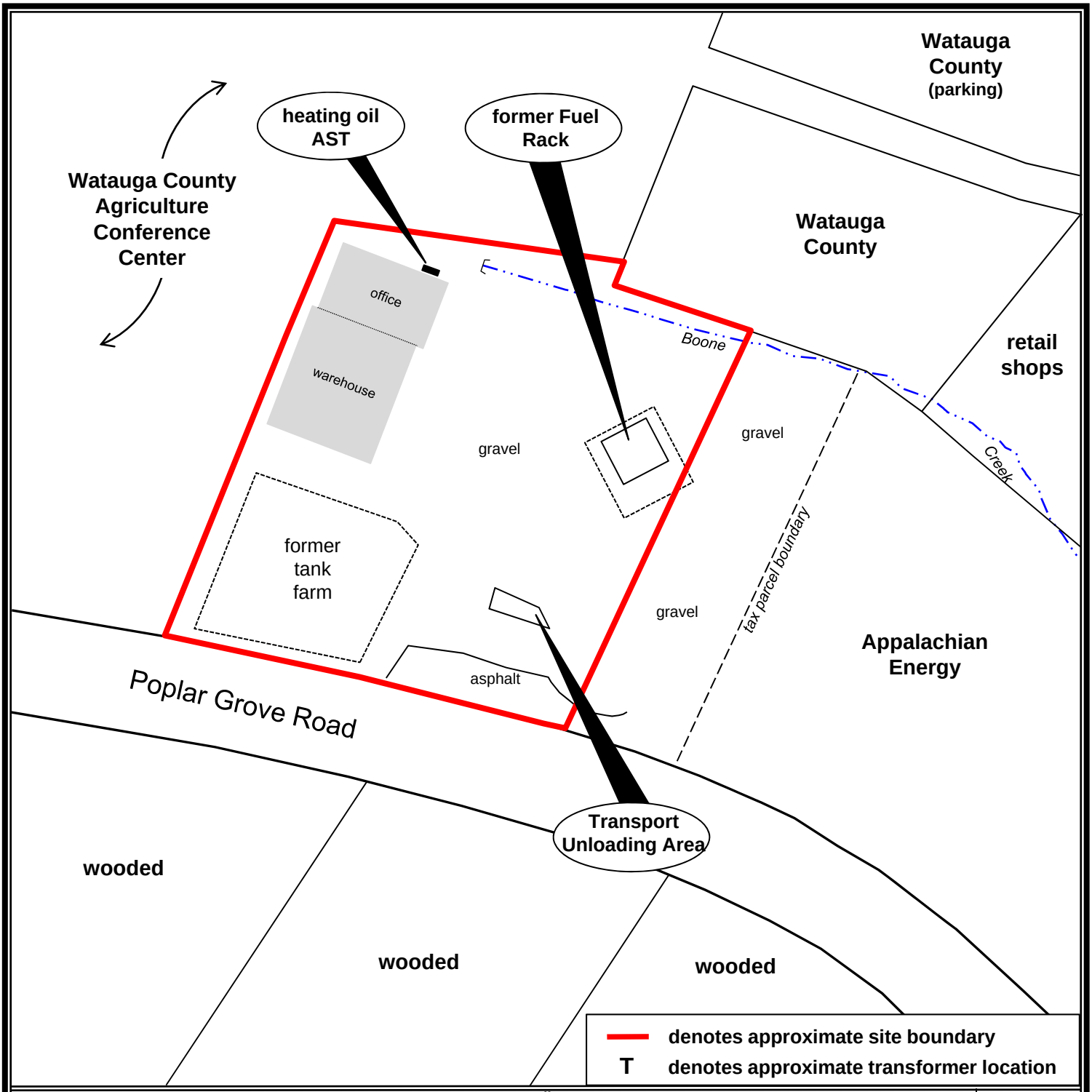
PROJECT NO.: 71147714.3

DATE: March 2014

DRAWN BY: SCB

SCALE: 1" = 2000' | **FIGURE NO. 1**

REFERENCE: USGS Topographic Map; Boone Quadrangle, North Carolina; dated 1959, photo-revised 1978.



SITE PLAN

G&B OIL PROPERTY
208 POPLAR GROVE ROAD

BOONE, NORTH CAROLINA

Terracon

N

PROJECT NO.: 71147714.2

DATE: March 2014

DRAWN BY: SCB

NOT TO SCALE | **FIGURE NO. 2**

REFERENCE: Site Plan provided by client, Watauga County GIS and Terracon field notes.

APPENDIX B
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	*Description*
ACM	Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining). Regulatory agencies have generally defined ACM as a material containing greater that one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.
AHERA	Asbestos Hazard Emergency Response Act
AST	Above Ground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally exempt small quantity generators.
CFR	Code of Federal Regulations
DOT	U.S. Department of Transportation

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clear Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a "solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."
ILP	Innocent Landowner/Operator Program
LQG	Large quantity generators.
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	National Priorities List, as more particularly described under the Records Review section of this report.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/l	Pico Curies per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in Pico Curies per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor “action level” concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal (‘cradle to grave”). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA generators list is part of the RCRIS database maintained by EPA and lists facilities that generate hazardous waste as part of their normal business operations, as more particularly defined under Section 4.1 of this report.
RCRA CORRACTS/TSDs	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing “corrective action”. A “corrective action” order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TSDs	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions” are defined by ASTM E1527-05 as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions of compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).

Description of Selected General Terms and Acronyms (cont.)

Term/Acronym	*Description*
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small quantity generator.
SWF	Solid Waste Facility
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-05, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	Voluntary Cleanup Program
VOC	Volatile Organic Compound
Wetlands	Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

APPENDIX C
RECORDS OF COMMUNICATION

ASTM E 1527-13 USER QUESTIONNAIRE
Page 1 of 6
Proposal No: 71147E021

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2002 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.

Site Name: Southern States Property
Site Address: 178 South Waters Street, Boone, NC

1) Did a search of records land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? ✓ No ___Yes If yes, please explain.

2) Did a search of recorded land title records (or judicial records where appropriate identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? ___No ✓ Yes If yes, please explain.

Land use ordinances (zoning)

3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? ✓ No ___Yes If yes, please explain.

4) Does the purchase price being paid for this site reasonably reflect the fair market value of the site (40 CFR 312.29)? ___No ✓ Yes

If no, have you considered whether the lower purchase price is because contamination is known or believed to be present at the site (40 CFR 312.29)? ___No ___Yes If yes, please explain.

5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ___No ✓ Yes If yes, please explain.

For Phase I site copy of environmental report provided

6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? ___No ✓ Yes If yes, please explain.

See item 6

Please return this form with the signed and completed Agreement for Services.

Request for Information and Documentation

In addition to the specific questions outlined above, the user is requested to provide the following information and documentation, as available. ASTM requires that this information, if available, be provided to the environmental professional prior to the site visit.

Item Supplied "X"	Not Applicable, Not Available or Not Known "X"	Item Requested (See Proposal)	Contacts/Comments or Indicate Attachment
X		Point of Contact for Access	Name/Phone:
X		Current Site Owner	Name/Phone:
X		Current Facility Operator	Name/Phone:
	X	Contacts for Prior Owners	Name/Phone:
	X	Contacts for Prior Occupants	Name/Phone:
	X	Access Restrictions	
	X	Notification of Special Requirements Regarding Confidentiality	
X		Legal Description and Diagram / Survey of Site	
	X	Chain of Title with Grantor/Grantee Summary (back to 1940 or first developed use)	
	X	Reasons for Conducting ESA	

Please return this form with the signed and completed Agreement for Services.

Helpful Documents Checklist

Pursuant to ASTM E 1527-13 § 10.8, do you know whether any of the following documents exist related to the subject property and, if so, whether copies can and will be provided to the environmental professional? Check all that apply.

Do not know.

- ☐ Environmental site assessment reports
- ☐ Environmental compliance audit reports
- ☐ Geotechnical studies
- ☐ Reports regarding hydrogeologic conditions on the property or surrounding area
- ☐ Registrations for above or underground storage tanks
- ☐ Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property
- ☐ Registrations for underground injection systems
- ☐ Environmental permits/plans, solid waste permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, SPCC plans

Harvest MP, LLC

Name (Authorized Client Representative)

Brownsville Pipeline LLC, LLC Member Manager

Title

Glenn D Worton Manager

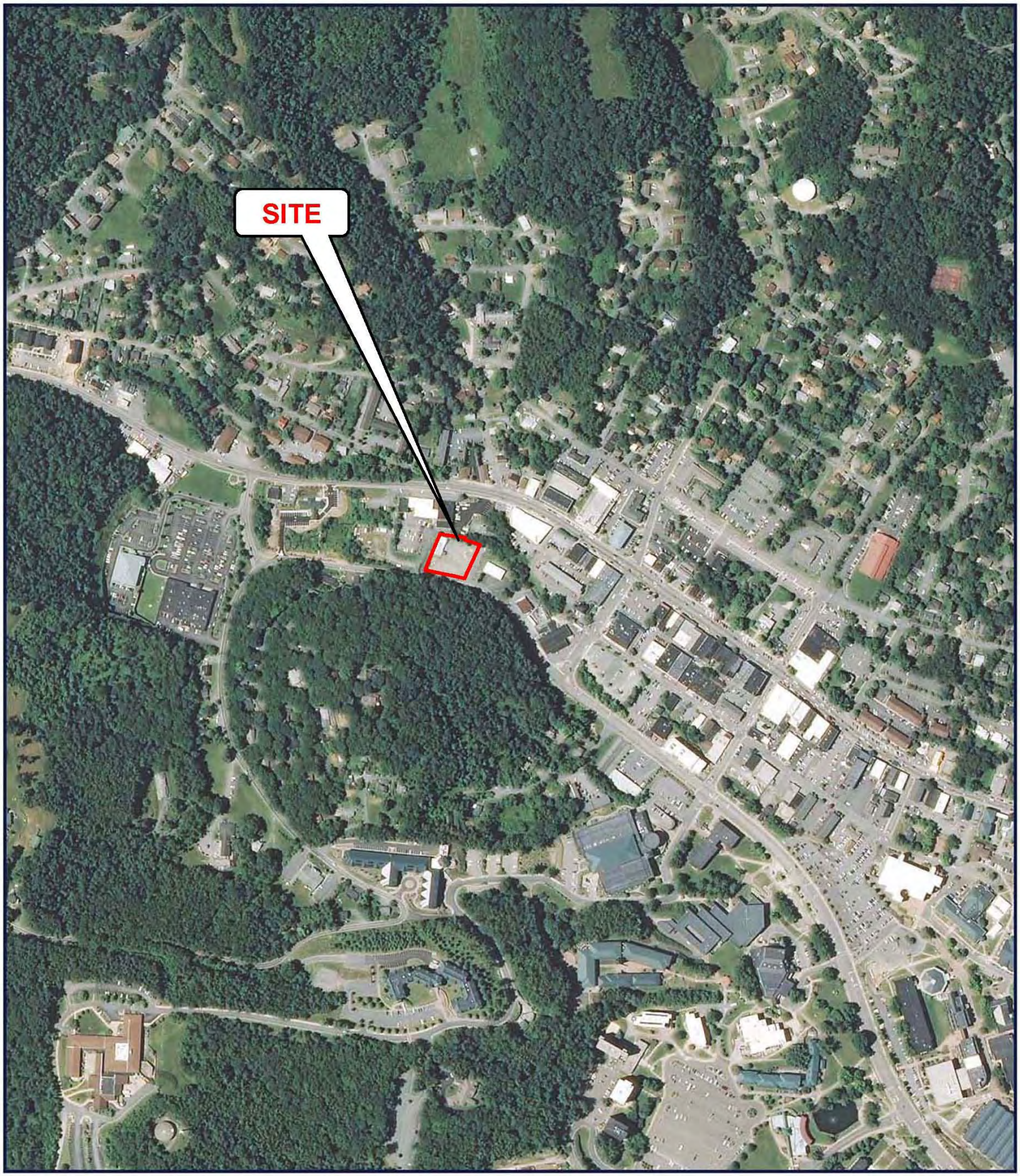
Signature

3/04/14

Date

Please return this form with the signed and completed Agreement for Services.

APPENDIX D
HISTORICAL DOCUMENTATION



N
W E
S

JOB # 73996 - 3/5/2014

SITE: SOUTHERN STATES - G&B PROPERTY
SOURCE: USDA
DATE: 2012
COUNTY: WATAUGA, NC
SCALE: 1" = 500'
FRAME #S: N/A

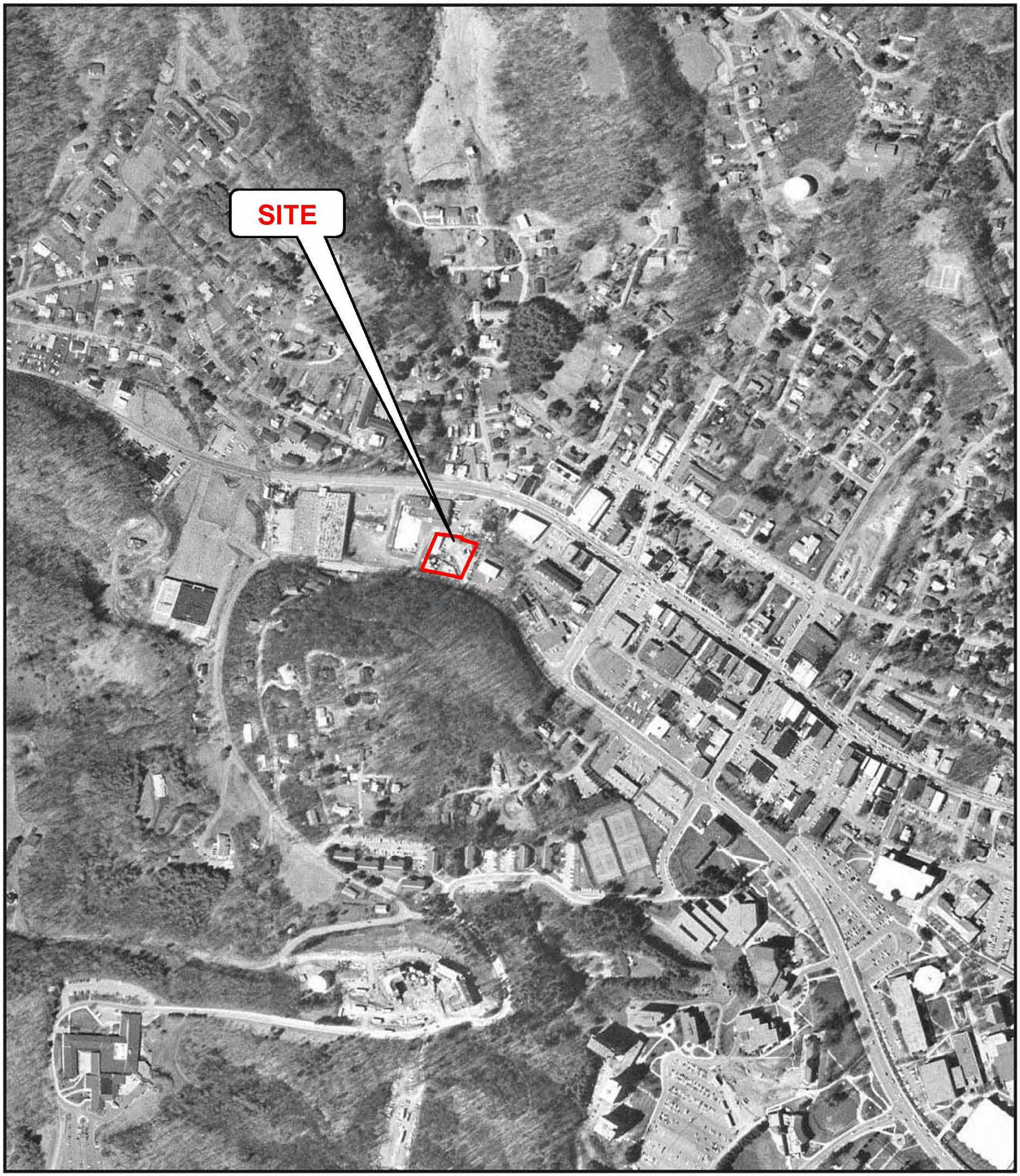
GeoSearch

N
W E
S

JOB # 73996 - 3/5/2014

SITE: SOUTHERN STATES - G&B PROPERTY
SOURCE: USGS
DATE: 04-06-98
COUNTY: WATAUGA, NC
SCALE: 1" = 500'
FRAME #S: N/A

GeoSearch

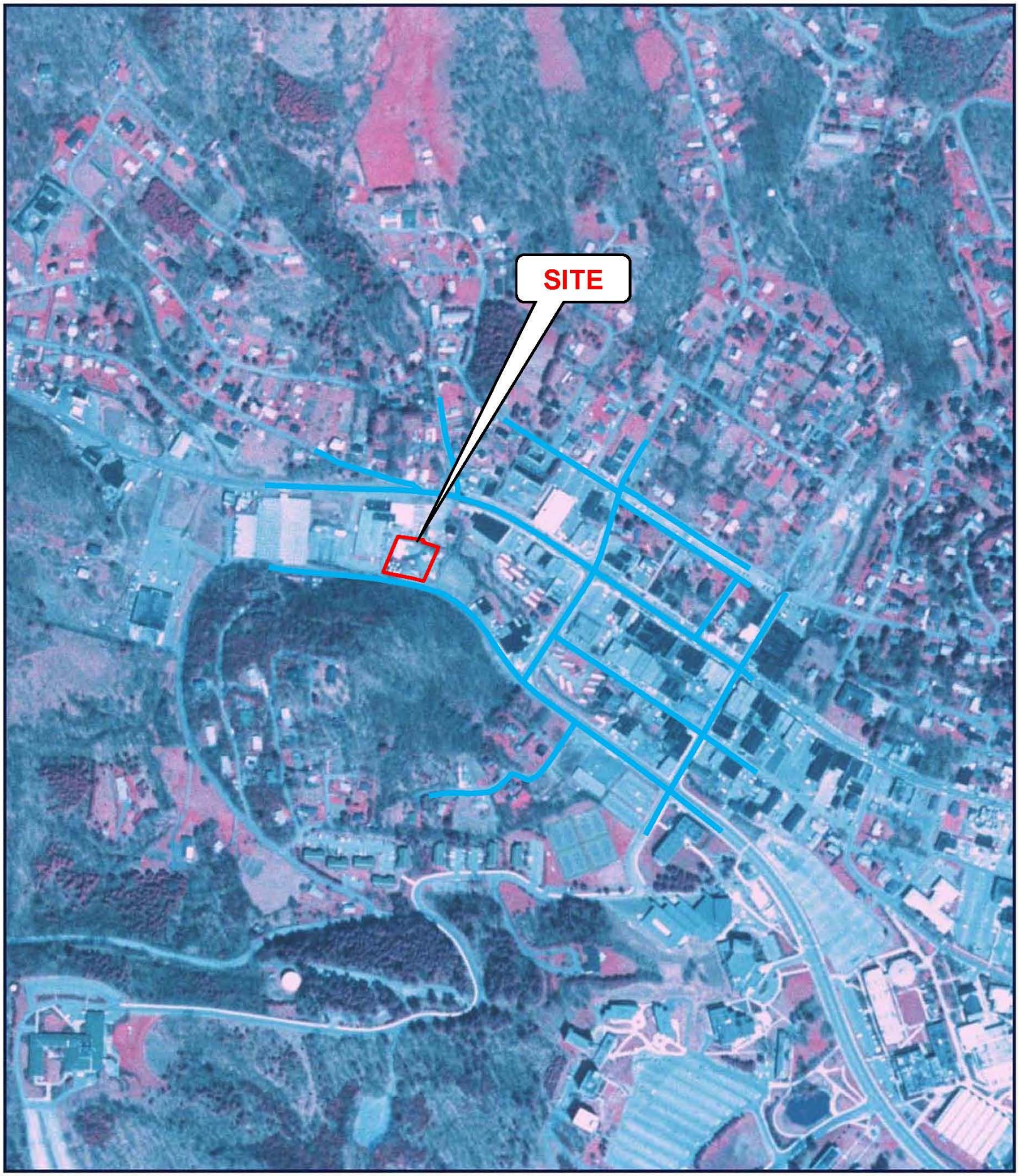


N
W E
S

JOB # 73996 - 3/5/2014

SITE: *SOUTHERN STATES - G&B PROPERTY*
SOURCE: *USGS*
DATE: *04-08-94*
COUNTY: *WATAUGA, NC*
SCALE: *1" = 500'*
FRAME #S: *N/A*

GeoSearch

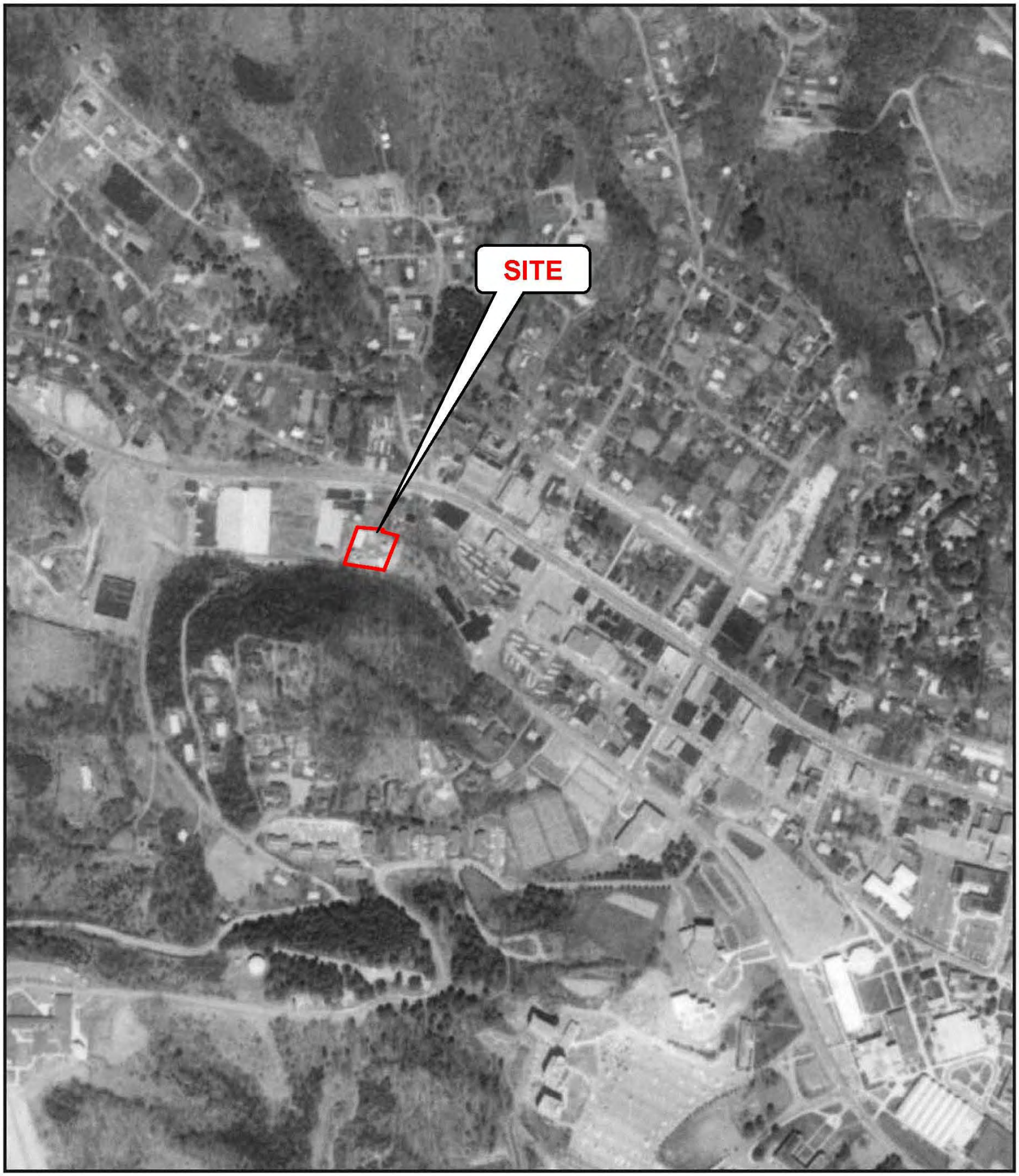


N
W E
S

JOB #: 73996 - 3/5/2014

SITE: SOUTHERN STATES - G&B PROPERTY
SOURCE: USGS
DATE: 04-04-83
COUNTY: WATAUGA, NC
SCALE: 1" = 500'
FRAME #S: 519-126

GeoSearch



N
W E
S

JOB #: 73996 - 3/5/2014

SITE: *SOUTHERN STATES - G&B PROPERTY*
SOURCE: *USGS*
DATE: *03-28-76*
COUNTY: *WATAUGA, NC*
SCALE: *1" = 500'*
FRAME #S: *6-55*

GeoSearch

N
W E
S

JOB #: 73996 - 3/5/2014

SITE: *SOUTHERN STATES - G&B PROPERTY*
SOURCE: *USGS*
DATE: *03-18-64*
COUNTY: *WATAUGA, NC*
SCALE: *1" = 500'*
FRAME #S: 3-31

GeoSearch

N
W E
S

JOB #: 73996 - 3/5/2014

SITE: *SOUTHERN STATES - G&B PROPERTY*
SOURCE: *USGS*
DATE: *02-01-47*
COUNTY: *WATAUGA, NC*
SCALE: *1" = 500'*
FRAME #S: *1-160*

GeoSearch

APPENDIX E
ENVIRONMENTAL DATABASE INFORMATION

Quick Report

http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000073997

Click on link above to access the map and satellite view of current property

Target Property:

Southern States - G&B Property
Poplar Grove Road at Water Street
Boone, Watauga County, North Carolina 28607

Prepared For:

Terracon Consultants-Charlotte

Order #: 33300
Job #: 73997
Date: 03/04/2014

phone: 888-396-0042 · fax: 512-472-9967 · www.geo-search.com

TARGET PROPERTY SUMMARY

Southern States - G&B Property
Poplar Grove Road at Water Street
Boone, Watauga County, North Carolina 28607

USGS Quadrangle: ***Boone, NC***
Target Property Geometry: ***Point***

Target Property Longitude(s)/Latitude(s):
(-81.687739, 36.219650)

County/Parish Covered:
Watauga (NC)

Zipcode(s) Covered:
Boone NC: 28607, 28608

State(s) Covered:
NC

****Target property is located in Radon Zone 1.***
Zone 1 areas have a predicted average indoor radon screening level greater than 4 pCi/L (picocuries per liter).

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquires Rule (40 CFR §312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal,state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR §312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

Disclaimer - The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers and independent contractors cannot be held liable for actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	Target and Adjacent Property
BIENNIAL REPORTING SYSTEM	BRS	0	0	Target and Adjacent Property
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	Target and Adjacent Property
EPA DOCKET DATA	DOCKETS	0	0	Target and Adjacent Property
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	Target and Adjacent Property
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSNC	0	0	Target and Adjacent Property
FACILITY REGISTRY SYSTEM	FRSNC	0	0	Target and Adjacent Property
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR04	0	0	Target and Adjacent Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	Target and Adjacent Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	Target and Adjacent Property
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	Target and Adjacent Property
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	Target and Adjacent Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDESR04	0	0	Target and Adjacent Property
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	Target and Adjacent Property
PERMIT COMPLIANCE SYSTEM	PCSR04	0	0	Target and Adjacent Property
RCRA SITES WITH CONTROLS	RCRASC	0	0	Target and Adjacent Property
CERCLIS LIENS	SFLIENS	0	0	Target and Adjacent Property
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	Target and Adjacent Property
TOXICS RELEASE INVENTORY	TRI	0	0	Target and Adjacent Property
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	Target and Adjacent Property
NO LONGER REGULATED RCRA GENERATOR FACILITIES	NLRRCRAG	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR FACILITIES	RCRAGR04	0	0	0.1250
HISTORICAL GAS STATIONS	HISTPST	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
COMPREHENSIVE ENVIRONMENTAL RESPONSE,	CERCLIS	0	0	0.5000

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
COMPENSATION & LIABILITY INFORMATION SYSTEM				
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	0.5000
NO FURTHER REMEDIAL ACTION PLANNED SITES	NFRAP	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
OPEN DUMP INVENTORY	ODI	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	DOD	0	0	1.0000
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		**0**	**0**	

STATE (NC)

ANIMAL FEEDING OPERATION PERMITS	AFO	0	0	Target and Adjacent Property
AIR PERMITTED FACILITIES	AIRS	0	0	Target and Adjacent Property
LAND USE RESTRICTED SITES	LUR	0	0	Target and Adjacent Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMITS	NPDES	0	0	Target and Adjacent Property
SPILLS LISTING	SPILLS	0	0	Target and Adjacent Property
UNDERGROUND STORAGE TANKS	UST	4	0	0.2500
BROWNFIELD PROJECTS	BF	0	0	0.5000
DRY-CLEANING SOLVENT CLEANUP ACT PROGRAM SITES	DSCASITES	0	0	0.5000
HISTORIC LANDFILLS	HISTLF	0	0	0.5000

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
LEAKING ABOVEGROUND STORAGE TANKS	LAST	0	0	0.5000
LEAKING UNDERGROUND STORAGE TANKS	LUST	11	0	0.5000
STATE TRUST FUNDS DATABASE	LUSTFUND	3	0	0.5000
PUBLIC WATER SUPPLY WATER SOURCES	PWS	0	0	0.5000
SOLID WASTE FACILITIES	SWF	0	0	0.5000
VOLUNTARY ACTION PROGRAM SITES	VAP	0	0	0.5000
HAZARDOUS SUBSTANCE DISPOSAL SITES	HSDS	0	0	1.0000
INACTIVE HAZARDOUS SITES	IHS	2	0	1.0000
SUB-TOTAL		**20**	**0**	

TRIBAL

UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR04	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR04	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		**0**	**0**	

TOTAL	**20**	**0**

LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
AIRSAFS	.0200	0	NS	NS	NS	NS	NS	0
BRS	.0200	0	NS	NS	NS	NS	NS	0
CDL	.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	.0200	0	NS	NS	NS	NS	NS	0
EC	.0200	0	NS	NS	NS	NS	NS	0
ERNSNC	.0200	0	NS	NS	NS	NS	NS	0
FRSNC	.0200	0	NS	NS	NS	NS	NS	0
HMIRSR04	.0200	0	NS	NS	NS	NS	NS	0
ICIS	.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	.0200	0	NS	NS	NS	NS	NS	0
LUCIS	.0200	0	NS	NS	NS	NS	NS	0
MLTS	.0200	0	NS	NS	NS	NS	NS	0
NPDESR04	.0200	0	NS	NS	NS	NS	NS	0
PADS	.0200	0	NS	NS	NS	NS	NS	0
PCSR04	.0200	0	NS	NS	NS	NS	NS	0
RCRASC	.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	.0200	0	NS	NS	NS	NS	NS	0
SSTS	.0200	0	NS	NS	NS	NS	NS	0
TRI	.0200	0	NS	NS	NS	NS	NS	0
TSCA	.0200	0	NS	NS	NS	NS	NS	0
NLRRCRAG	.1250	0	0	NS	NS	NS	NS	0
RCRAGR04	.1250	0	0	NS	NS	NS	NS	0
HISTPST	.2500	0	0	0	NS	NS	NS	0
BF	.5000	0	0	0	0	NS	NS	0
CERCLIS	.5000	0	0	0	0	NS	NS	0
DNPL	.5000	0	0	0	0	NS	NS	0
NFRAP	.5000	0	0	0	0	NS	NS	0

LOCATABLE DATABASE FINDINGS

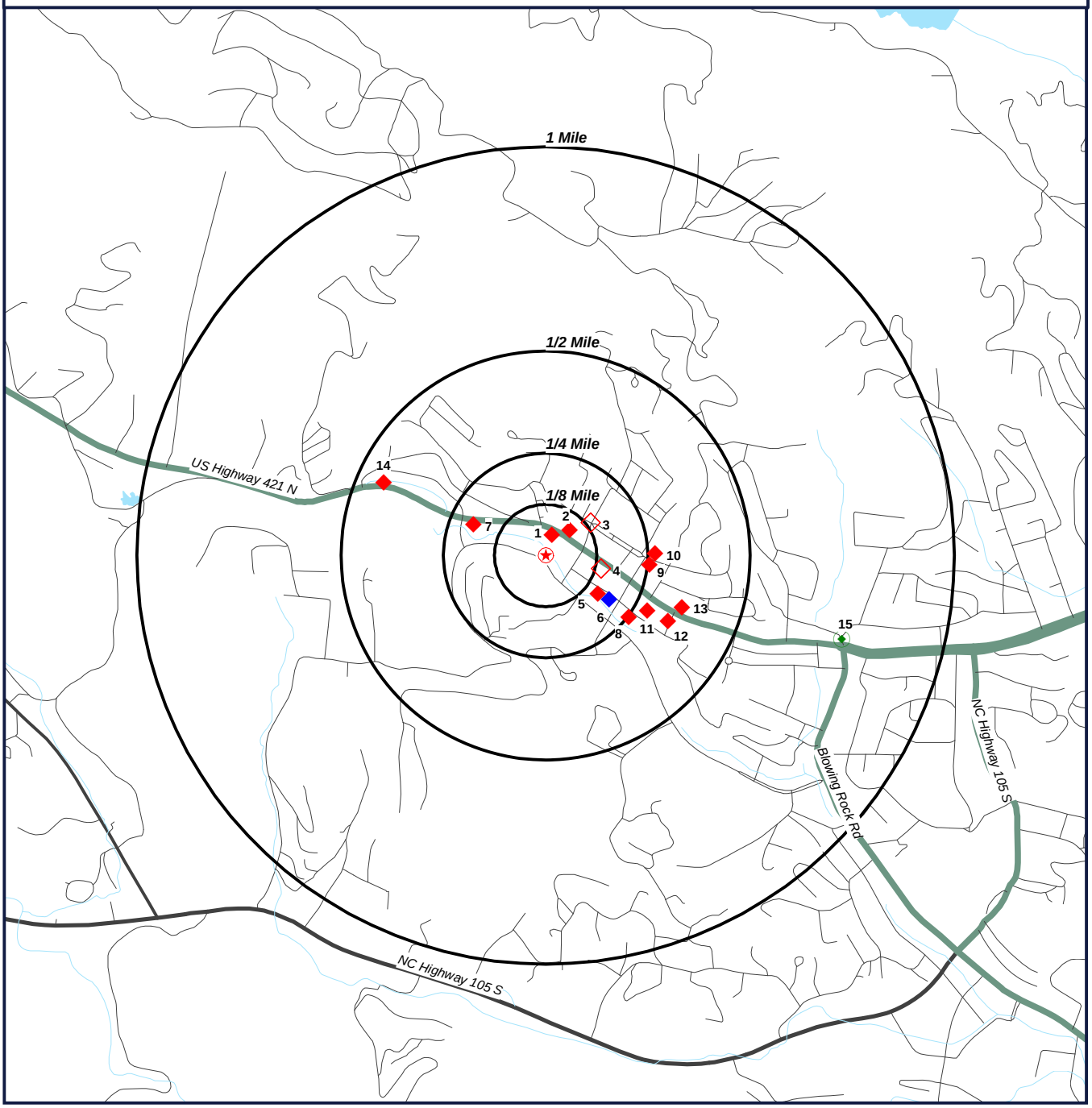
ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
NLRRCRAT	.5000	0	0	0	0	NS	NS	0
ODI	.5000	0	0	0	0	NS	NS	0
RCRAT	.5000	0	0	0	0	NS	NS	0
DOD	1.000	0	0	0	0	0	NS	0
FUDS	1.000	0	0	0	0	0	NS	0
NLRRCRAC	1.000	0	0	0	0	0	NS	0
NPL	1.000	0	0	0	0	0	NS	0
PNPL	1.000	0	0	0	0	0	NS	0
RCRAC	1.000	0	0	0	0	0	NS	0
RODS	1.000	0	0	0	0	0	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
STATE (NC)								
AFO	.0200	0	NS	NS	NS	NS	NS	0
AIRS	.0200	0	NS	NS	NS	NS	NS	0
LUR	.0200	0	NS	NS	NS	NS	NS	0
NPDES	.0200	0	NS	NS	NS	NS	NS	0
SPILLS	.0200	0	NS	NS	NS	NS	NS	0
UST	.2500	0	1	3	NS	NS	NS	4
BF	.5000	0	0	0	0	NS	NS	0
DSCASITES	.5000	0	0	0	0	NS	NS	0
HISTLF	.5000	0	0	0	0	NS	NS	0
LAST	.5000	0	0	0	0	NS	NS	0
LUST	.5000	0	2	2	7	NS	NS	11
LUSTFUND	.5000	0	0	1	2	NS	NS	3
PWS	.5000	0	0	0	0	NS	NS	0
SWF	.5000	0	0	0	0	NS	NS	0
VAP	.5000	0	0	0	0	NS	NS	0

LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
HSDS	1.000	0	0	0	0	0	NS	0
IHS	1.000	0	0	0	0	2	NS	2
SUB-TOTAL		**0**	**3**	**6**	**9**	**2**	**0**	**20**
TRIBAL								
USTR04	.2500	0	0	0	NS	NS	NS	0
LUSTR04	.5000	0	0	0	0	NS	NS	0
ODINDIAN	.5000	0	0	0	0	NS	NS	0
INDIANRES	1.000	0	0	0	0	0	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL		**0**	**3**	**6**	**9**	**2**	**0**	**20**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

RADIUS MAP



Target Property (TP)
LUST
UST
LUSTFUND
IHS

Southern States -G&B Property
Poplar Grove Road at Water Street
Boone, North Carolina
28607

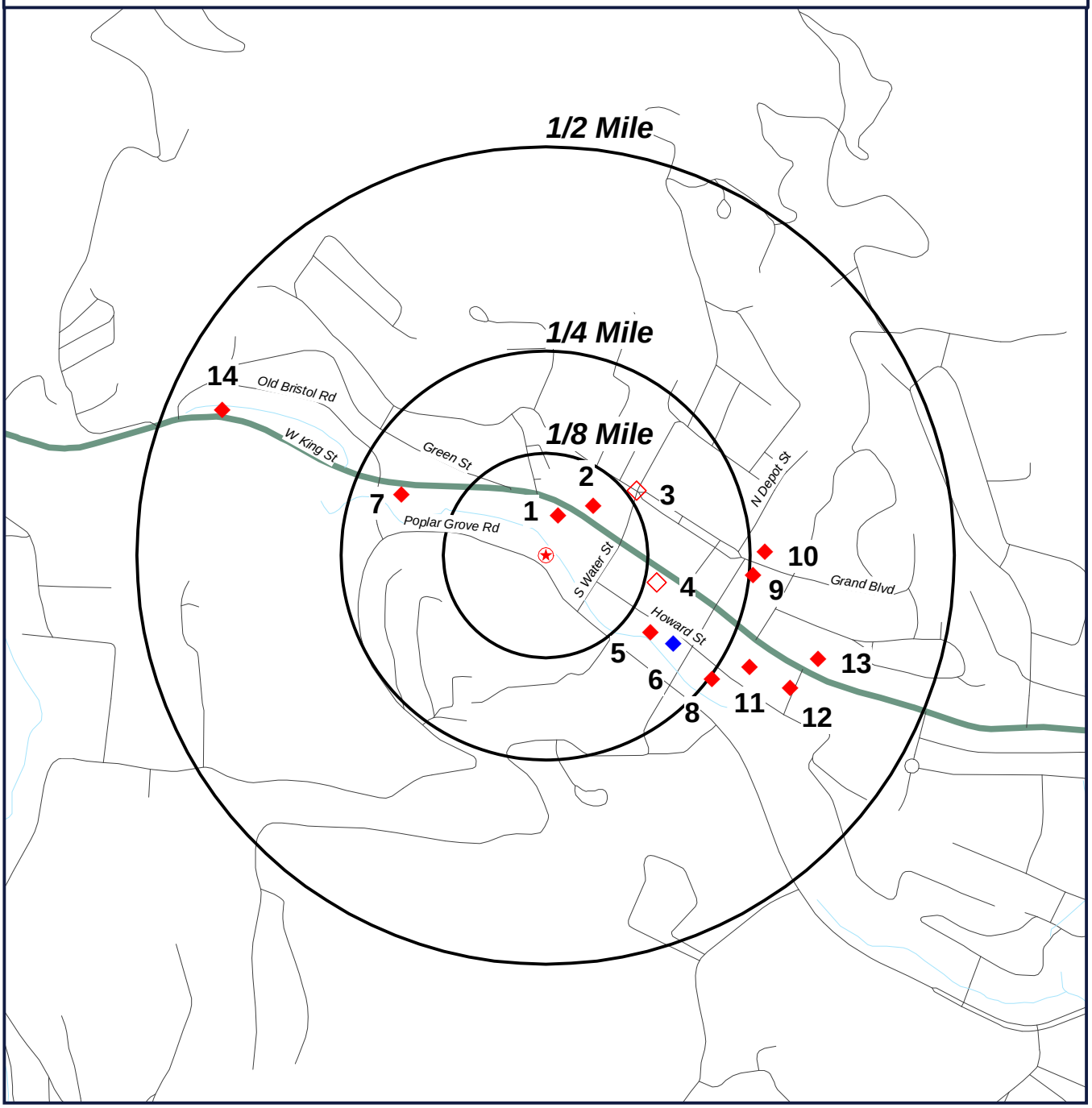
N
W E
S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

GeoSearch www.geo-search.com - phone: 888-396-0042 - fax: 512-472-9967

JOB #: 73997 - 3/4/2014

RADIUS MAP



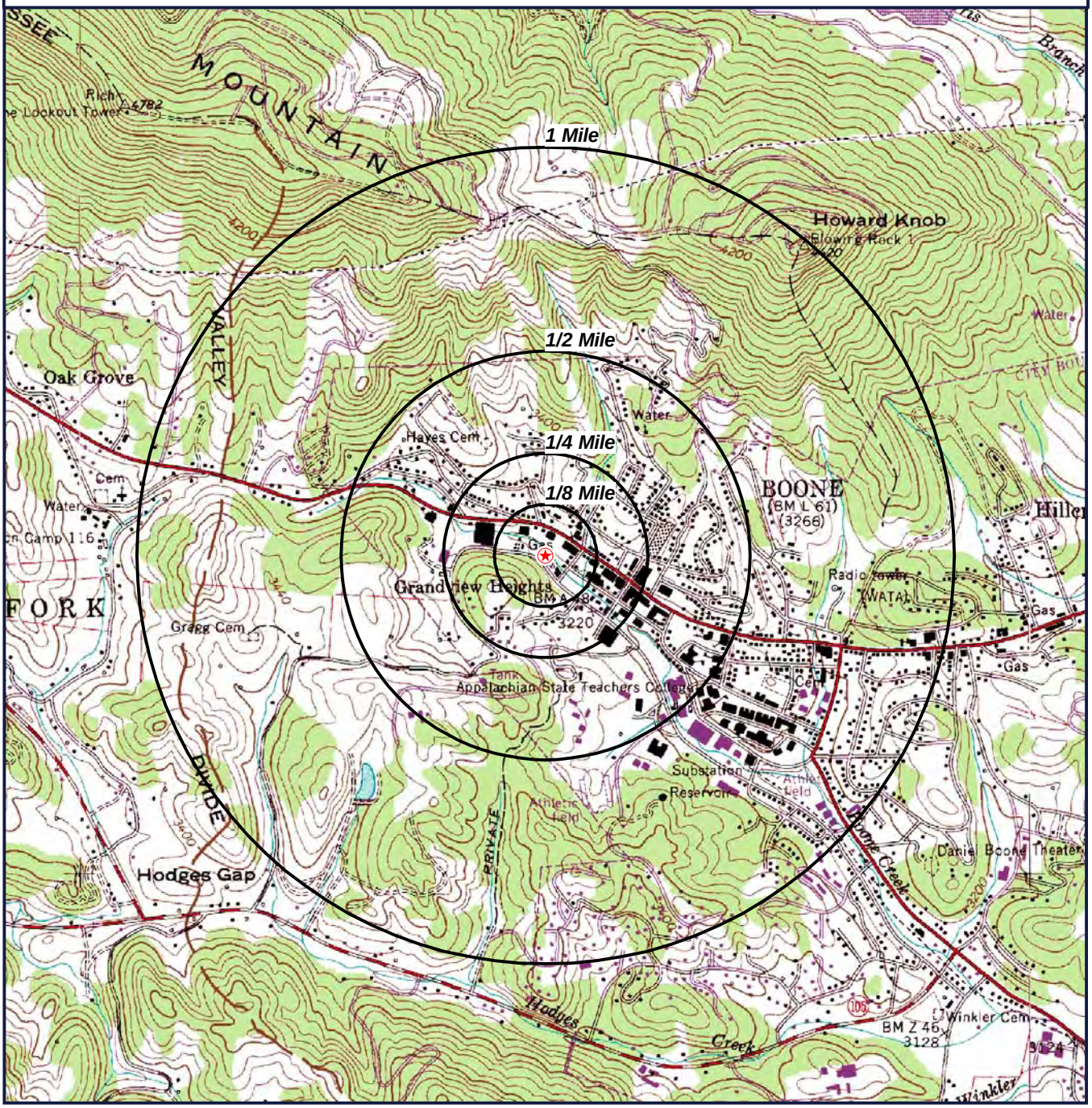
- Target Property (TP)
- LUST
- UST
- LUSTFUND
- IHS

Southern States -G&B Property
Poplar Grove Road at Water Street
Boone, North Carolina
28607

N
W E
S

0' 500' 1000' 1500'
SCALE: 1" = 1000'

TOPOGRAPHIC MAP



Target Property (TP)

Quadrangle(s): Boone
Source: USGS, 1998
Southern States -G&B Property
Poplar Grove Road at Water Street
Boone, North Carolina
28607

N
W E
S

0' 1000' 2000' 3000'
SCALE: 1" = 2000'

REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	LUST	4029281239	0.050 N	SMITHEY PROPERTY	877 W. KING ST.	BOONE, 28607	1
2	UST	00-0-0000032007	0.083 NE	WATAUGA COUNTY COURTHOUSE	842 WEST KING STREET	BOONE, 28607	3
2	LUST	697171261	0.083 NE	WATAUGA COUNTY COURTHOUSE	842 W. KING STREET	BOONE, 28607	5
3	UST	00-0-0000032008	0.137 NE	COURTHOUSE ANNEX A	QUEEN & WATER STREET	BOONE, 28607	8
4	UST	00-0-0000032454	0.141 E	BOONE FIRE STATION 1	721 W KING ST	BOONE, 28607	10
5	UST	00-0-0000006934	0.159 SE	GOODNIGHT BROTHERS PRODUCE, INC.	206 EAST HOWARD STREET	BOONE, 28607	12
5	LUST	3362957845	0.159 SE	GOODNIGHT BROTHERS, INC.	206 E. HOWARD ST.	BOONE, 28607	13
6	LUSTFUND	12068	0.190 SE	ASU - HOWARD ST. APARTMENTS	216 E. HOWARD STREET	BOONE	15
7	LUST	2207059425	0.191 NW	BROWN PROPERTY, RICHARD	1075 W. KING STREET	BOONE, 28607	16
8	LUST	2385533568	0.254 SE	ESTES PROPERTY, RALPH & EDITH	346 E. HOWARD STREET	BOONE, 28607	18
9	LUST	222484194	0.255 E	WATAUGA CO. - LAW ENF.-B	330 QUEEN STREET	BOONE, 28607	20
10	LUST	1969582957	0.269 E	WATAUGA CO. - LAW ENF.	301 W. QUEEN ST.	BOONE	22
11	LUST	4121927624	0.285 SE	BOONE POST OFFICE	567 WEST KING STREET	BOONE, 28607	24
12	LUSTFUND	37790	0.341 SE	COX PROPERTY, GREG	132 APPALACHIAN ST.	BOONE	26
12	LUST	2810389429	0.341 SE	COX PROPERTY, GREG	132 APPALACHIAN ST.	BOONE, 28607	27
13	LUSTFUND	15251	0.357 E	ANN GREER DARNELL PROPERTY	506 W. KING STREET	BOONE	30
13	LUST	2376145585	0.357 E	DARNELL PROPERTY, ANN GREER	506 W. KING STREET	BOONE, 28607	31
14	LUST	2196655874	0.433 NW	BOONE CHURCH OF CHRIST	WIKING ST(421)	BOONE, 28607	33
15	IHS	NONCD0002141	0.754 E	NCDOT - SITE #38 BROWN BROTHERS ASPHALT	HWY 105	BOONE	35
15	IHS	NONCD0001736	0.754 E	FRA-MAR, INC.	ROUTE 5 BOX 283	BOONE	36

LEAKING UNDERGROUND STORAGE TANKS (LUST)

MAP ID# 1 **Distance from Property: 0.05 mi. N**

SITE INFORMATION

GS ID: **4029281239**
FACILITY ID: **NOT REPORTED**
SITE NAME: **SMITHEY PROPERTY**
ADDRESS: **877 W. KING ST.**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **13680**
UST NUMBER: **WS-4137**
DATE OCCURRED: **03/22/1995**
DATE REPORTED: **03/22/1995**
LAND USE: **IND**
DATE CLEANUP: **03/22/1995**
DATE CASE CLOSED: **04/07/2009**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **STF**
RESPONSIBLE ADDRESS: **STF**
STF, ST
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **STATE LEAD SITE**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **R**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **GASOLINE/DIESEL/KEROSENE**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **H**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **E035**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**
CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **NOT REPORTED**

COMMENTS: **ACCEPTED ON STATE LEAD--ACCEPTED 4/7/95. SENT TO CO ON 01/13/2006.**

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE

RRA DATE: **05/12/10**
RRA INIT: **chr**
RRA RISK: **LOW**
RRA RANK: **0**
RRA ABATE: **UST RELEASE HAS BEEN ABATED. CONTAMINATED SOIL HAS BEEN REMOVED OR REMEDIATED;**

STATUS INFORMATION

LAST MODIFIED: **/ /**
INCIDENT PHASE: **CLOSE OUT**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **/ /**
45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**
SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**
CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **3/22/1995** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NOT REPORTED

UNDERGROUND STORAGE TANKS (UST)

MAP ID# 2 **Distance from Property: 0.08 mi. NE**

SITE INFORMATION

FACILITY ID: **00-0-0000032007**
SITE NAME: **WATAUGA COUNTY COURTHOUSE**
ADDRESS: **842 WEST KING STREET**
BOONE, NC 28607
COUNTY: **WATAUGA**
CONTACT NAME: **WATAUGA COUNTY**
CONTACT ADDRESS: **969 WEST KING ST/MAINT DEPT**
BOONE, NC 28607

TANK INFORMATION

TANK ID: **1**
INSTALLED DATE: **1/30/1967**
TANK STATUS: **REMOVED**
PRODUCT NAME: **FUEL OIL**
TANK CAPACITY: **8000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **9/30/1994**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **SINGLE WALL STEEL**
PIPING CONSTRUCTION: **SINGLE WALL STEEL**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **YES**
REGULATED?: **NO**

UNDERGROUND STORAGE TANKS (UST)

TANK ID: **A1**
INSTALLED DATE: **9/30/1994**
TANK STATUS: **REMOVED**
PRODUCT NAME: **HEATING OIL/FUEL**
TANK CAPACITY: **8000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **9/3/2005**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **UNKNOWN**
PIPING CONSTRUCTION: **UNKNOWN**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **YES**
REGULATED?: **NO**

TANK ID: **B1**
INSTALLED DATE: **12/12/2006**
TANK STATUS: **CURRENT**
PRODUCT NAME: **HEATING OIL/FUEL**
TANK CAPACITY: **5000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **NOT REPORTED**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **0**
TANK CONSTRUCTION: **DOUBLE WALL FRP/STEEL**
PIPING CONSTRUCTION: **OTHER**
PIPING SYSTEM: **SUCTION SYSTEM**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **CATCHMENT BASIN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **BALL FLOAT VALVE**
COMMERCIAL?: **YES**
REGULATED?: **NO**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

MAP ID# 2 **Distance from Property: 0.08 mi. NE**

SITE INFORMATION

GS ID: **697171261**
FACILITY ID: **NOT REPORTED**
SITE NAME: **WATAUGA COUNTY COURTHOUSE**
ADDRESS: **842 W. KING STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **30482**
UST NUMBER: **WS-7032**
DATE OCCURRED: **10/21/2004**
DATE REPORTED: **10/21/2004**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **10/21/2004**
DATE CASE CLOSED: **03/29/2005**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **WATAUGA COUNTY**
RESPONSIBLE ADDRESS: **842 W. KING ST., SUITE 1**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **YES**
RESPONSIBLE PARTY OWNER?: **YES**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **ROBERT NELSON, CO. MGR**
CONTACT NUMBER: **8282658000**

TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **NONE**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **OTHER PETROLEUM PROD.**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **RESIDENTIAL**
INITIAL REPORTED RISK OF INCIDENT: **L**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **1**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **A**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **CLEANUPS TO 2L.0202 STANDARDS**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

INCIDENT NUMBER: **NOT REPORTED**
UST NUMBER: **WS-7221**
DATE OCCURRED: **NOT REPORTED**
DATE REPORTED: **NOT REPORTED**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **09/03/2005**
DATE CASE CLOSED: **10/10/2005**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **WATAUGA COUNTY**
RESPONSIBLE ADDRESS: **824 W. KING STREET**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **YES**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **ROBERT MARSH**
CONTACT NUMBER: **8282461730**

TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **NONE**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **HEATING OIL**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **NOT REPORTED**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **A**
MTBE IN GROUNDWATER: **U**
CURRENT RISK CONDITION: **NOT REPORTED**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF

DATE OCCURRED: **10/21/04**
DATE SUBMITTED: **10/21/04**
UST NUMBER: **WS-7032**
OWNER/OPERATOR: **NOT REPORTED**
OWNERSHIP: **COUNTY**
OPERATION TYPE: **COMMERCIAL**
TYPE: **HEATING OIL**
LOCATION: **OTHER**
DESCRIPTION OF INCIDENT:
abandoned UST found during construction
SITE PRIORITY: **NOT REPORTED**
PRIORITY UPDATE DATE: **NOT REPORTED**
WELLS AFFECTED?: **u**
PIRF/MIN SOIL?: **NOT REPORTED**
HOW RELEASE DISCOVERED?: **9**
CAUSE: **NOT REPORTED**
SOURCE: **C**

RISK RANK ABATE STATUS INFORMATION **- NO RISK RANK ABATE INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

LAST MODIFIED: **03/29/05**
INCIDENT PHASE: **CLOSE OUT**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **/ /**
45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**
SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**
CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **LIMITED SITE ASSMT**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **3/10/2005** REVIEWED DATE: **3/29/2005**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NOT REPORTED

REPORT TYPE: **20 DAY REPORT**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **12/7/2004** REVIEWED DATE: **1/13/2005**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS:

NOT REPORTED

REPORT TYPE: **OTHER (COMMENTS REQUIRED)**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **10/21/2004** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

24 HOUR

MAP ID# 3 **Distance from Property: 0.14 mi. NE**

SITE INFORMATION

FACILITY ID: **00-0-0000032008**
SITE NAME: **COURTHOUSE ANNEX A**
ADDRESS: **QUEEN & WATER STREET**
BOONE, NC 28607
COUNTY: **WATAUGA**
CONTACT NAME: **WATAUGA COUNTY**
CONTACT ADDRESS: **969 WEST KING ST/MAINT DEPT**
BOONE, NC 28607

TANK INFORMATION

TANK ID: **1**
INSTALLED DATE: **1/30/1985**
TANK STATUS: **REMOVED**
PRODUCT NAME: **FUEL OIL**
TANK CAPACITY: **5000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **11/30/1994**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **SINGLE WALL STEEL**
PIPING CONSTRUCTION: **SINGLE WALL STEEL**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **YES**
REGULATED?: **NO**

UNDERGROUND STORAGE TANKS (UST)

TANK ID: **A1**
INSTALLED DATE: **11/30/1994**
TANK STATUS: **CURRENT**
PRODUCT NAME: **HEATING OIL/FUEL**
TANK CAPACITY: **1000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **NOT REPORTED**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **SINGLE WALL STEEL**
PIPING CONSTRUCTION: **UNKNOWN**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **NO**
REGULATED?: **NO**

MAP ID# 4 **Distance from Property: 0.14 mi. E**

SITE INFORMATION

FACILITY ID: **00-0-0000032454**
SITE NAME: **BOONE FIRE STATION 1**
ADDRESS: **721 W KING ST**
BOONE, NC 28607
COUNTY: **WATAUGA**
CONTACT NAME: **TOWN OF BOONE**
CONTACT ADDRESS: **PO DRAWER 192**
BOONE, NC 28607

TANK INFORMATION

TANK ID: **1**
INSTALLED DATE: **7/19/1971**
TANK STATUS: **REMOVED**
PRODUCT NAME: **GASOLINE, GAS MIX**
TANK CAPACITY: **1000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **5/28/1992**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **SINGLE WALL STEEL**
PIPING CONSTRUCTION: **SINGLE WALL STEEL**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **NO**
REGULATED?: **YES**

UNDERGROUND STORAGE TANKS (UST)

TANK ID: **2**
INSTALLED DATE: **1/1/1964**
TANK STATUS: **REMOVED**
PRODUCT NAME: **HEATING OIL/FUEL**
TANK CAPACITY: **2000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **5/28/1992**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **UNKNOWN**
PIPING CONSTRUCTION: **OTHER**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **NO**
REGULATED?: **YES**

MAP ID# 5 **Distance from Property: 0.16 mi. SE**

SITE INFORMATION

FACILITY ID: **00-0-0000006934**
SITE NAME: **GOODNIGHT BROTHERS PRODUCE, INC.**
ADDRESS: **206 EAST HOWARD STREET**
BOONE, NC 28607
COUNTY: **WATAUGA**
CONTACT NAME: **GOODNIGHT BROTHERS PRODUCE, INC.**
CONTACT ADDRESS: **206 EAST HOWARD STREET**
BOONE, NC 28607

TANK INFORMATION

TANK ID: **1**
INSTALLED DATE: **3/5/1976**
TANK STATUS: **REMOVED**
PRODUCT NAME: **GASOLINE, GAS MIX**
TANK CAPACITY: **2000**
MAIN TANK: **0**
ROOT TANK ID: **NOT REPORTED**
PERMANENT CLOSED DATE: **8/31/1990**
COMPARTMENT TANK: **0**
MANIFOLD TANK: **NOT REPORTED**
TANK CONSTRUCTION: **SINGLE WALL STEEL**
PIPING CONSTRUCTION: **UNKNOWN**
PIPING SYSTEM: **UNKNOWN**
OTHER CP TANK: **NOT REPORTED**
SPILL PROTECTION: **UNKNOWN**
PRESSURIZED LEAK DETECTION: **NOT REPORTED**
OVERFILL PROTECTION: **UNKNOWN**
COMMERCIAL?: **YES**
REGULATED?: **YES**

MAP ID# 5 **Distance from Property: 0.16 mi. SE**

SITE INFORMATION

GS ID: **3362957845**
FACILITY ID: **00-0-0000006934**
SITE NAME: **GOODNIGHT BROTHERS, INC.**
ADDRESS: **206 E. HOWARD ST.**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **5985**
UST NUMBER: **WS-2623**
DATE OCCURRED: **09/10/1990**
DATE REPORTED: **08/14/1990**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **09/10/1990**
DATE CASE CLOSED: **03/17/2005**
DATE CLOSURE REQUESTED: **NOT**
RESPONSIBLE PARTY: **NOT REPORTED**
RESPONSIBLE ADDRESS: **P. O. BOX 287**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **JIM GOODNIGHT/GOODNIGHT BROTHE**
CONTACT NUMBER: **NOT REPORTED**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**
TANK REGULATED STATUS: **R**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **GASOLINE/DIESEL/KEROSENE**
MTBE IN WELL: **NOT REPORTED**
NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **E020**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **A**
MTBE IN GROUNDWATER: **U**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **L**
CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **NOT REPORTED**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **CAN CLOSE AFTER A COA IS FILLED OUT FOR CLEAN SOIL DISPOSAL IN'91**

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **/ /**

INCIDENT PHASE: **CLOSE OUT**

NOTICE OF REGULATORY ISSUED: **NOT REPORTED**

NOTICE OF VIOLATION ISSUED: **/ /**

45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**

SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**

CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **6/26/1990** RECEIVED DATE: **9/10/1990** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS:

NOT REPORTED

REPORT TYPE: **NOT REPORTED**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **2/10/2005** REVIEWED DATE: **2/15/2005**

APPROVED DATE: IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS: **NOT REPORTED**

NOT REPORTED

STATE TRUST FUNDS DATABASE (LUSTFUND)

MAP ID# 6 **Distance from Property: 0.19 mi. SE**

SITE INFORMATION

INCIDENT NUMBER: **12068**
SITE NAME: **ASU - HOWARD ST. APARTMENTS**
ADDRESS: **216 E. HOWARD STREET**
BOONE, NC
COUNTY: **WATAUGA**
SITE ELIGIBLE?: **TRUE**
COMMERCIAL FIND: **100% NON-COMMERCIAL**
DEDUCTABLE AMOUNT: **0**
THIRD PARTY DEDUCTABLE AMOUNT: **0**
SUM OF THIRD PARTY AMOUNT APPLIED: **0**
PRIORITY RANK: **L**
REIMBURSEMENT IDENTIFICATION FORM ON FILE?: **FALSE**
STATE ARCHIVE SUBMITTAL NUMBER: **FALSE**
SITE NOTES: **NOT REPORTED**

OWNER INFORMATION

COMPANY NAME: **APPALACHIAN STATE UNIV.**
MAILING ADDRESS: **NOT REPORTED**
NAME: **NOT REPORTED**
PHONE: **NOT REPORTED**

MAP ID# 7 **Distance from Property: 0.19 mi. NW**

SITE INFORMATION

GS ID: **2207059425**
FACILITY ID: **NOT REPORTED**
SITE NAME: **BROWN PROPERTY, RICHARD**
ADDRESS: **1075 W. KING STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **37082**
UST NUMBER: **WS-7747**
DATE OCCURRED: **09/28/2007**
DATE REPORTED: **11/13/2007**
LAND USE: **IND**
DATE CLEANUP: **NOT REPORTED**
DATE CASE CLOSED: **01/24/2008**
DATE CLOSURE REQUESTED: **NOT**
RESPONSIBLE PARTY: **NOT REPORTED**
RESPONSIBLE ADDRESS: **2480 HWY 421 N.**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **YES**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **RICHARD BROWN**
CONTACT NUMBER: **8282653333**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**
TANK REGULATED STATUS: **R**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **GROUNDWATER/BOTH**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **GASOLINE/DIESEL/KEROSENE**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **L**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **OLD TANKS FROM THE 40'S.**
NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **A**
MTBE IN GROUNDWATER: **U**
CURRENT RISK CONDITION: **U**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF

LEAKING UNDERGROUND STORAGE TANKS (LUST)

DATE OCCURRED: **09/28/07**
DATE SUBMITTED: **11/13/07**
UST NUMBER: **WS-7747**
OWNER/OPERATOR: **NOT REPORTED**
OWNERSHIP: **UNKNOWN**
OPERATION TYPE: **COMMERCIAL**
TYPE: **GASOLINE/DIESEL**
LOCATION: **OTHER**
DESCRIPTION OF INCIDENT:
An ESA uncovered contamination.
SITE PRIORITY: **NOT REPORTED**
PRIORITY UPDATE DATE: **NOT REPORTED**
WELLS AFFECTED?: **u**
PIRF/MIN SOIL?: **NOT REPORTED**
HOW RELEASE DISCOVERED?: **3**
CAUSE: **3**
SOURCE: **A**

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **01/24/08**
INCIDENT PHASE: **CLOSE OUT**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **/ /**
45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**
SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**
CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **12/21/2007** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

DOES THIS NEED TO BE AN IAAR?

REPORT TYPE: **OTHER (COMMENTS REQUIRED)**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **11/13/2007** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

UST-61 WITH ANALYTICALS.

MAP ID# 8 **Distance from Property: 0.25 mi. SE**

SITE INFORMATION

GS ID: **2385533568**
FACILITY ID: **NOT REPORTED**
SITE NAME: **ESTES PROPERTY, RALPH & EDITH**
ADDRESS: **346 E. HOWARD STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **12068**
UST NUMBER: **WS-3709**
DATE OCCURRED: **NOT REPORTED**
DATE REPORTED: **12/03/1993**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **06/09/1994**
DATE CASE CLOSED: **01/26/2009**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **NOT REPORTED**
RESPONSIBLE ADDRESS: **336 E. KING ST.**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **RALPH & EDITH ESTES**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **GROUNDWATER/BOTH**
COMMERCIAL/NON-COMMERCIAL TANK: **N**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **HEATING OIL**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **RESIDENTIAL**
INITIAL REPORTED RISK OF INCIDENT: **L**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **E025**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **/ /**

INCIDENT PHASE: **CLOSE OUT**

NOTICE OF REGULATORY ISSUED: **NOT REPORTED**

NOTICE OF VIOLATION ISSUED: **/ /**

45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**

SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**

CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **OTHER (COMMENTS REQUIRED)**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **1/13/2009** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS: **NOT REPORTED**

MW SAMPLING

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **6/9/1994** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS: **NOT REPORTED**

NOT REPORTED

MAP ID# 9 **Distance from Property: 0.26 mi. E**

SITE INFORMATION

GS ID: **222484194**
FACILITY ID: **00-0-0000005344**
SITE NAME: **WATAUGA CO. - LAW ENF.-B**
ADDRESS: **330 QUEEN STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **21069**
UST NUMBER: **WS-5875**
DATE OCCURRED: **12/19/1997**
DATE REPORTED: **01/12/1998**
LAND USE: **IND**
DATE CLEANUP: **09/30/2001**
DATE CASE CLOSED: **01/24/2008**
DATE CLOSURE REQUESTED: **01/12/1998**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **WATAUGA COUNTY**
RESPONSIBLE ADDRESS: **842 WEST KING STREET**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **LEONARD GREER**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **HEATING OIL**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **L**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **1**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **A**
MTBE IN GROUNDWATER: **U**
CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **NOT REPORTED**

COMMENTS: **RECREATIONAL GPS DATA ENTERED, LSA NECESSARY EMAIL "10-DAY LETTER" SENT FOR LSA**

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **/ /**

INCIDENT PHASE: **CLOSE OUT**

NOTICE OF REGULATORY ISSUED: **NOT REPORTED**

NOTICE OF VIOLATION ISSUED: **/ /**

45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**

SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**

CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **1/12/1998** REVIEWED DATE: **8/2/2005**

APPROVED DATE: IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS: **NOT REPORTED**

CONTAMINATED SOIL IDENTIFIED, LSA NECESSARY

REPORT TYPE: **LIMITED SITE ASSMT**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **9/6/2007** REVIEWED DATE: **1/19/2008**

APPROVED DATE: IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS: **NOT REPORTED**

NOT REPORTED

MAP ID# 10 **Distance from Property: 0.27 mi. E**

SITE INFORMATION

GS ID: **1969582957**
FACILITY ID: **00-0-0000005344**
SITE NAME: **WATAUGA CO. - LAW ENF.**
ADDRESS: **301 W. QUEEN ST.**
BOONE, NC
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **NOT REPORTED**
UST NUMBER: **WS-250**
DATE OCCURRED: **NOT REPORTED**
DATE REPORTED: **NOT REPORTED**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **NOT REPORTED**
DATE CASE CLOSED: **NOT REPORTED**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **WATAUGA COUNTY**
RESPONSIBLE ADDRESS: **842 WEST KING STREET**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **ATTN: LEONARD GREER**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **R**
PRODUCT TYPE: **NOT REPORTED**
CONTAMINATION TYPE: **NOT REPORTED**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **NOT REPORTED**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **NOT REPORTED**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **NOT REPORTED**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE - **NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION - **NO STATUS INFORMATION REPORTED**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **7/11/1991** RECEIVED DATE: **NOT REPORTED** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: **NOT REPORTED** DUE DATE: **8/13/1991**

COMMENTS: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED**

NOT REPORTED

MAP ID# 11 **Distance from Property: 0.28 mi. SE**

SITE INFORMATION

GS ID: **4121927624**
FACILITY ID: **NOT REPORTED**
SITE NAME: **BOONE POST OFFICE**
ADDRESS: **567 WEST KING STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **44020**
UST NUMBER: **WS-8772**
DATE OCCURRED: **08/15/2012**
DATE REPORTED: **08/24/2012**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **NOT REPORTED**
DATE CASE CLOSED: **NOT REPORTED**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **U.S. POSTAL SERVICE**
RESPONSIBLE ADDRESS: **NOT REPORTED**
NO CITY REPORTED
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **YES**
RESPONSIBLE PARTY OPERATOR?: **YES**
RESPONSIBLE PARTY CONTACT: **NOT REPORTED**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **N**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **HEATING OIL**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **NOT REPORTED**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **NOT REPORTED**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF

LEAKING UNDERGROUND STORAGE TANKS (LUST)

DATE OCCURRED: **08/15/12**
DATE SUBMITTED: **08/23/12**
UST NUMBER: **WS-8772**
OWNER/OPERATOR: **NOT REPORTED**
OWNERSHIP: **FEDERAL**
OPERATION TYPE: **PUBLIC SERVICE**
TYPE: **HEATING OIL**
LOCATION: **FACILITY**
DESCRIPTION OF INCIDENT:
NOT REPORTED
SITE PRIORITY: **NOT REPORTED**
PRIORITY UPDATE DATE: **NOT REPORTED**
WELLS AFFECTED?: **NO**
PIRF/MIN SOIL?: **NOT REPORTED**
HOW RELEASE DISCOVERED?: **2**
CAUSE: **3**
SOURCE: **A**

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION **- NO STATUS INFORMATION REPORTED**

REPORTS INFORMATION

REPORT TYPE: **INITIAL ABATEMENT ACTION REPORT**
REQUESTED DATE: **NOT** RECEIVED DATE: **9/12/2012** REVIEWED DATE: **9/12/2012**
APPROVED DATE: **REPORTED** IMPLEMENTED DATE: **NOT** DUE DATE: **NOT REPORTED**
COMMENTS: **REPORTED**

NOT REPORTED

REPORT TYPE: **OTHER (COMMENTS REQUIRED)**
REQUESTED DATE: **NOT** RECEIVED DATE: **8/24/2012** REVIEWED DATE: **8/4/2012**
APPROVED DATE: **REPORTED** IMPLEMENTED DATE: **NOT** DUE DATE: **NOT REPORTED**
COMMENTS: **REPORTED**

UST-61 VISUALLY OBSERVED THAT SOIL WAS CONTAMINATED BENEATH THE 1,000-GALLON UST.

MAP ID# 12 **Distance from Property: 0.34 mi. SE**

SITE INFORMATION

INCIDENT NUMBER: **37790**
SITE NAME: **COX PROPERTY, GREG**
ADDRESS: **132 APPALACHIAN ST.**
BOONE, NC
COUNTY: **WATAUGA**
SITE ELIGIBLE?: **TRUE**
COMMERCIAL FIND: **100% NON-COMMERCIAL**
DEDUCTABLE AMOUNT: **0**
THIRD PARTY DEDUCTABLE AMOUNT: **0**
SUM OF THIRD PARTY AMOUNT APPLIED: **0**
PRIORITY RANK: **NOT REPORTED**
REIMBURSEMENT IDENTIFICATION FORM ON FILE?: **TRUE**
STATE ARCHIVE SUBMITTAL NUMBER: **TRUE**
SITE NOTES: **NONCOMMERCIAL; 100% ELIGIBLE; $0 DEDUCTIBLE.[CGS 11/28/12]**

OWNER INFORMATION

COMPANY NAME: **GREG COX**
MAILING ADDRESS: **9033 J M KEYNES DR UNIT 44**
CHARLOTTE, NC 282628453
NAME: **GREG COX**
PHONE: **7045478876**

MAP ID# 12 **Distance from Property: 0.34 mi. SE**

SITE INFORMATION

GS ID: **2810389429**
FACILITY ID: **NOT REPORTED**
SITE NAME: **COX PROPERTY, GREG**
ADDRESS: **132 APPALACHIAN ST.**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **37790**
UST NUMBER: **WS-8507**
DATE OCCURRED: **03/14/2011**
DATE REPORTED: **03/17/2011**
LAND USE: **RES**
DATE CLEANUP: **03/14/2011**
DATE CASE CLOSED: **NOT REPORTED**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**
TANK REGULATED STATUS: **N**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **N**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **HEATING OIL**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **NOT REPORTED**
INITIAL REPORTED RISK OF INCIDENT: **H**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **550 GAL AT SMALL APT./RETAIL COMPLEX**

RESPONSIBLE PARTY: **NOT REPORTED**
RESPONSIBLE ADDRESS: **9033 J M KEYNES DRIVE #44**
CHARLOTTE, NC 28262
RESPONSIBLE PARTY LANDOWNER?: **YES**
RESPONSIBLE PARTY OWNER?: **YES**
RESPONSIBLE PARTY OPERATOR?: **YES**
RESPONSIBLE PARTY CONTACT: **GREG COX**
CONTACT NUMBER: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **NOT REPORTED**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **I**
RBCA GW DESCRIPTION : **NOT REPORTED**

PIRF

DATE OCCURRED: **03/14/11**
DATE SUBMITTED: **03/17/11**
UST NUMBER: **WS-8507**
OWNER/OPERATOR: **NOT REPORTED**
OWNERSHIP: **PRIVATE**
OPERATION TYPE: **COMMERCIAL**
TYPE: **HEATING OIL**
LOCATION: **OTHER**
DESCRIPTION OF INCIDENT:
Soil contamination/ fuel oil found at bottom of excavation
SITE PRIORITY: **NOT REPORTED**
PRIORITY UPDATE DATE: **NOT REPORTED**
WELLS AFFECTED?: **NO**
PIRF/MIN SOIL?: **NOT REPORTED**
HOW RELEASE DISCOVERED?: **2**
CAUSE: **7**
SOURCE: **A**

RISK RANK ABATE

RRA DATE: **09/22/11**
RRA INIT: **WWW**
RRA RISK: **INTERMEDIATE**
RRA RANK: **175**
RRA ABATE: **UST RELEASE HAS BEEN ABATED. HOWEVER, CONTAMINATED SOIL CONTINUES TO RELEASE PRODUCT OR CONTAMINANTS INTO THE ENVIRONMENT;**

STATUS INFORMATION

- NO STATUS INFORMATION REPORTED

REPORTS INFORMATION

REPORT TYPE: **PUBLIC NOTIFICATION**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **9/17/2011** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS:

NOT REPORTED

REPORT TYPE: **OTHER (COMMENTS REQUIRED)**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **3/15/2011** REVIEWED DATE: **NOT REPORTED**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

UST 61, NO LAB SAMPLES BUT INDICATED FUEL IN EXCAVATION

REPORT TYPE: **20 DAY REPORT**
REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **4/29/2011** REVIEWED DATE: **5/2/2011**
APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**
COMMENTS: **NOT REPORTED**

NOT REPORTED

LEAKING UNDERGROUND STORAGE TANKS (LUST)

REPORT TYPE: **LIMITED SITE ASSMT**

REQUESTED DATE:	**9/15/2011**	RECEIVED DATE:	**9/21/2011**	REVIEWED DATE:	**9/21/2011**
APPROVED DATE:	**NOT**	IMPLEMENTED DATE:	**NOT**	DUE DATE:	**NOT REPORTED**
COMMENTS:	**REPORTED**		**REPORTED**		

NOT REPORTED

MAP ID# 13 **Distance from Property: 0.36 mi. E**

SITE INFORMATION

INCIDENT NUMBER: **15251**
SITE NAME: **ANN GREER DARNELL PROPERTY**
ADDRESS: **506 W. KING STREET**
BOONE, NC
COUNTY: **WATAUGA**
SITE ELIGIBLE?: **TRUE**
COMMERCIAL FIND: **100% COMMERCIAL**
DEDUCTABLE AMOUNT: **75000**
THIRD PARTY DEDUCTABLE AMOUNT: **100000**
SUM OF THIRD PARTY AMOUNT APPLIED: **0**
PRIORITY RANK: **L**
REIMBURSEMENT IDENTIFICATION FORM ON FILE?: **FALSE**
STATE ARCHIVE SUBMITTAL NUMBER: **FALSE**
SITE NOTES: **NOT REPORTED**

OWNER INFORMATION

COMPANY NAME: **NOT REPORTED**
MAILING ADDRESS: **ROUTE 5, BOX 438**
BOONE, NC 28607
NAME: **ANN GREER DARNELL**
PHONE: **7042642984**

MAP ID# 13 **Distance from Property: 0.36 mi. E**

SITE INFORMATION

GS ID: **2376145585**
FACILITY ID: **NOT REPORTED**
SITE NAME: **DARNELL PROPERTY, ANN GREER**
ADDRESS: **506 W. KING STREET**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **15251**
UST NUMBER: **WS-4691**
DATE OCCURRED: **03/26/1996**
DATE REPORTED: **07/22/1994**
LAND USE: **RES**
DATE CLEANUP: **03/26/1996**
DATE CASE CLOSED: **05/01/2013**
DATE CLOSURE REQUESTED: **NOT**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**

RESPONSIBLE PARTY: **LANDOWNER**
RESPONSIBLE ADDRESS: **2711 US HWY 421 SOUTH**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **ANN GREER DARNELL**
CONTACT NUMBER: **NOT REPORTED**

TANK REGULATED STATUS: **R**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **SOIL**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **NOT REPORTED**
POLLUTANT TYPE PRESENT: **GASOLINE/DIESEL/KEROSENE**
MTBE IN WELL: **NOT REPORTED**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **RESIDENTIAL**
INITIAL REPORTED RISK OF INCIDENT: **L**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**

NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **C035**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **NOT REPORTED**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**

CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **CLEANUPS TO ALTERNATE STANDARDS**

COMMENTS:

FORMERLY BACK COUNTRY BAR-B-Q; ADD INFO REQUESTED 1/25/01. LANDOWNER ONLY-SENT TO STATE LEAD 3/8/2011. RETURNED 3/17/2011-HOWEVER, JOHN SPENCER OIL APPEARS TO BE FINANCIALLY UNABLE TO DO ANY CLEANUP ON THE WALNUT COVE STAR SITE. CO HAS ASKED JOHN SPENCER OIL TO SEND PROOF OF FINANCIAL INABLILITY TO THEM. IF JOHN SPENCER OIL IS UNABLE TO CLEANUP WALNUT COVE STAR, THEY ARE PROBABLY UNABLE TO CLEANUP THIS SITE.

PIRF **- NO PIRF INFORMATION REPORTED**

LEAKING UNDERGROUND STORAGE TANKS (LUST)

RISK RANK ABATE **- NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **/ /**

INCIDENT PHASE: **CLOSE OUT**

NOTICE OF REGULATORY ISSUED: **NOT REPORTED**

NOTICE OF VIOLATION ISSUED: **/ /**

45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**

SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**

CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **NOT** RECEIVED DATE: **3/26/1996** REVIEWED DATE: **5/1/2013**

APPROVED DATE: **REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **5/1/2013**

COMMENTS:

NOT REPORTED

MAP ID# 14 **Distance from Property: 0.43 mi. NW**

SITE INFORMATION

GS ID: **2196655874**
FACILITY ID: **00-0-0000033658**
SITE NAME: **BOONE CHURCH OF CHRIST**
ADDRESS: **WIKING ST(421)**
BOONE, NC 28607
REGIONAL OFFICE: **WS**

SITE DETAILS

INCIDENT NUMBER: **12456**
UST NUMBER: **WS-3777**
DATE OCCURRED: **03/30/1994**
DATE REPORTED: **02/14/1994**
LAND USE: **NOT REPORTED**
DATE CLEANUP: **03/30/1994**
DATE CASE CLOSED: **02/08/2010**
DATE CLOSURE REQUESTED: **NOT**
RESPONSIBLE PARTY: **STATE LEAD SITE**
RESPONSIBLE ADDRESS: **P.O. BOX 3500**
BOONE, NC 28607
RESPONSIBLE PARTY LANDOWNER?: **NO**
RESPONSIBLE PARTY OWNER?: **NO**
RESPONSIBLE PARTY OPERATOR?: **NO**
RESPONSIBLE PARTY CONTACT: **BOONE CHURCH OF CHRIST**
CONTACT NUMBER: **NOT REPORTED**
DATE LAND USE RESTRICTION FILED: **NOT REPORTED**
TANK REGULATED STATUS: **R**
PRODUCT TYPE: **PETROLEUM**
CONTAMINATION TYPE: **GROUNDWATER/BOTH**
COMMERCIAL/NON-COMMERCIAL TANK: **C**
NOTICE OF REGULATORY ISSUED: **07/25/1994**
POLLUTANT TYPE PRESENT: **GASOLINE/DIESEL/KEROSENE**
MTBE IN WELL: **NOT REPORTED**
NUMBER OF SUPPLY WELLS: **NOT REPORTED**
SOURCE TYPE: **LEAK, UNDERGROUND**
SITE PRIORITY: **E035**
PHASE OF LSA REQUIRED: **NOT REPORTED**
NOTICE OF VIOLATION ISSUED: **07/27/1994**
CURRENT STATUS: **C**
MTBE IN GROUNDWATER: **U**
RELEASE CODE DESCRIPTION **NOT REPORTED**
RBCA DESCRIPTION : **SOIL TO GROUNDWATER**
INITIAL REPORTED RISK OF INCIDENT: **L**
CURRENT RISK CONDITION: **L**
RBCA GW DESCRIPTION : **CLEANUPS TO 2L.0202 STANDARDS**
CORRECTIVE ACTTION PLAN TYPE: **NOT REPORTED**
COMMENTS: **ACCEPTED ON STATE LEAD. SENT TO CO ON 01/13/2006. CLOSED BY STF 2/8/2010**

PIRF **- NO PIRF INFORMATION REPORTED**

RISK RANK ABATE - **NO RISK RANK ABATE INFORMATION REPORTED**

STATUS INFORMATION

LAST MODIFIED: **10/28/94**

INCIDENT PHASE: **CLOSE OUT**

NOTICE OF REGULATORY ISSUED: **NOT REPORTED**

NOTICE OF VIOLATION ISSUED: **07/27/94**

45 DAY REPORT: **NR** PUBLIC MEETING HELD: **NR** CORRECTIVE ACTION PLANNED: **NR**

SOC SIGNED: **NR** RECLASSIFICATION REPORT: **NR** RS DESIGNATION: **NR**

CLOSURE REQUESTED DATE: **NR** CLOSE OUT DATE: **NR**

REPORTS INFORMATION

REPORT TYPE: **CLOSURE REPORT**

REQUESTED DATE: **11/5/1993** RECEIVED DATE: **3/30/1994** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **12/14/1993**

COMMENTS:

NOT REPORTED

REPORT TYPE: **20 DAY REPORT**

REQUESTED DATE: **NOT REPORTED** RECEIVED DATE: **8/15/1994** REVIEWED DATE: **NOT REPORTED**

APPROVED DATE: **NOT REPORTED** IMPLEMENTED DATE: **NOT REPORTED** DUE DATE: **NOT REPORTED**

COMMENTS:

NOT REPORTED

MAP ID# 15 **Distance from Property: 0.75 mi. E**

SITE INFORMATION

ID NUMBER: **NONCD0002141**
SITE NAME: **NCDOT - SITE #38 BROWN BROTHERS ASPHALT**
ADDRESS: **HWY 105**
BOONE, NC
COUNTY: **WATAUGA**
SITES PRIORITY LIST: **NO**
VOLUNTARY ACTION UNDER AGREEMENT: **NO**
EVALUATION PENDING: **YES**
POLLUTANT ONLY SITE-OPEN: **NO**
POLLUTANT ONLY SITE-NFA: **NO**
POLLUTANT ONLY SITE-NO FURTHER ACTION RESTRICTED: **NO**
NO FURTHER ACTION: **NO**
NO FURTHER ACTION RESTRICTED USE: **NO**

MAP ID# 15 **Distance from Property: 0.75 mi. E**

SITE INFORMATION

ID NUMBER: **NONCD0001736**
SITE NAME: **FRA-MAR, INC.**
ADDRESS: **ROUTE 5 BOX 283**
BOONE, NC
COUNTY: **WATAUGA**
SITES PRIORITY LIST: **NO**
VOLUNTARY ACTION UNDER AGREEMENT: **NO**
EVALUATION PENDING: **YES**
POLLUTANT ONLY SITE-OPEN: **NO**
POLLUTANT ONLY SITE-NFA: **NO**
POLLUTANT ONLY SITE-NO FURTHER ACTION RESTRICTED: **NO**
NO FURTHER ACTION: **NO**
NO FURTHER ACTION RESTRICTED USE: **NO**

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 8/2012

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

BF Brownfields Management System

VERSION DATE: 1/2014

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. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment.

BRS Biennial Reporting System

VERSION DATE: 12/2011

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 9/2013

The U.S. Department of Justice ("the Department") provides this information 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. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

CERCLIS Comprehensive Environmental Response, Compensation & Liability Information System

VERSION DATE: 10/2013

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This United States Environmental Protection Agency database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.

DNPL Delisted National Priorities List

VERSION DATE: 10/2013

This database includes sites from the United States Environmental Protection Agency's Final National Priorties List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOCKETS EPA Docket Data

VERSION DATE: 12/2005

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

DOD Department of Defense Sites

VERSION DATE: 12/2005

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 12/2013

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ERNSNC Emergency Response Notification System

VERSION DATE: 12/2012

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FRSNC Facility Registry System

VERSION DATE: 8/2013

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

FUDS Formerly Used Defense Sites

VERSION DATE: 2/2013

The 2011 Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. DISCLAIMER: This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

HISTPST Historical Gas Stations

VERSION DATE: 7/1930

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

HMIRSR04 Hazardous Materials Incident Reporting System

VERSION DATE: 1/2014

The HMIRS database contains unintentional hazardous materials release information reported to

the U.S. Department of Transportation located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 8/2012

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISNPDES Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 8/2012

In 2006, the Integrated Compliance Information System (ICIS) - National Pollutant Discharge Elimination System (NPDES) became the NPDES national system of record for select states, tribes and territories. ICIS-NPDES is an information management system maintained by the United States Environmental Protection Agency's Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

LUCIS Land Use Control Information System

VERSION DATE: 9/2006

The LUCIS database is maintained by the U.S. Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS Material Licensing Tracking System

VERSION DATE: 1/2013

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements.

NFRAP No Further Remedial Action Planned Sites

VERSION DATE: 10/2013

This database includes sites which have been determined by the United States Environmental Protection Agency, following preliminary assessment, to no longer pose a significant risk or require

further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 12/2013

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NLRRCRAG No Longer Regulated RCRA Generator Facilities

VERSION DATE: 12/2013

This database includes RCRA Generator facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.
Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.
Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.
Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 12/2013

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NPDESR04 National Pollutant Discharge Elimination System

VERSION DATE: 4/2007

Information in this database is extracted from the Water Permit Compliance System (PCS) database which is used by United States Environmental Protection Agency to track surface water permits issued under the Clean Water Act. The NPDES database was collected from December 2002 until April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

NPL National Priorities List

VERSION DATE: 10/2013

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 6/1985

The open dump inventory was published by the United States Environmental Protection Agency. An “open dump” is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 6/2013

The PCB Activity Database System (PADS) is used by the United States Environmental Protection Agency to monitor the activities of polychlorinated biphenyls (PCB) handlers.

PCSR04 Permit Compliance System

VERSION DATE: 8/2012

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

PNPL Proposed National Priorities List

VERSION DATE: 10/2013

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 12/2013

This database includes hazardous waste sites listed with corrective action activity in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RCRAGR04 Resource Conservation & Recovery Act - Generator Facilities

VERSION DATE: 12/2013

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). This database includes permitted facilities located in EPA Region 4. This region includes the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.
Large Quantity Generators: Generate 1,000 kg or more of hazardous waste during any calendar

month; or Generate more than 1 kg of acutely hazardous waste during any calendar month; or Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.
Small Quantity Generators: Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.
Conditionally Exempt Small Quantity Generators: Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

RCRASC RCRA Sites with Controls

VERSION DATE: 1/2014

This list of Resource Conservation and Recovery Act sites with institutional controls in place is provided by the U.S. Environmental Protection Agency.

RCRAT Resource Conservation & Recovery Act - Treatment, Storage & Disposal Facilities

VERSION DATE: 12/2013

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The United States Environmental Protection Agency defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

RODS Record of Decision System

VERSION DATE: 10/2013

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SFLIENS CERCLIS Liens

VERSION DATE: 6/2012

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency 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. This database contains those CERCLIS sites where the Lien on Property action is complete.

SSTS Section Seven Tracking System

VERSION DATE: 12/2009

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

TRI Toxics Release Inventory

VERSION DATE: 12/2012

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/2006

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile,

keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

AFO Animal Feeding Operation Permits

VERSION DATE: 1/2014

This list of active animal feeding operation permits is provided by the Water Quality Division of the North Carolina Department of Environment and Natural Resources.

AIRS Air Permitted Facilities

VERSION DATE: 1/2014

This list of facilties with air quality permits is provided by the Air Quality Division of the North Carolina Department of Environment and Natural Resources.

BF Brownfield Projects

VERSION DATE: 1/2014

The North Carolina Brownfields Program, which is administered by the Division of Waste Management of the Department of Environment and Natural Resources, works with prospective developers to place brownfields sites back into reuse. A "brownfields site" is an abandoned, idled or underused property where the threat of environmental contamination has hindered its redevelopment. The prospective developer, as defined by the Brownfields Property Reuse Act of 1997, is any person who desires to buy or sell a brownfields property for the purpose of redeveloping it and who did not cause or contribute to the contamination at the property.

DSCASITES Dry-Cleaning Solvent Cleanup Act Program Sites

VERSION DATE: 9/2013

The Dry-cleaning Solvent Cleanup Act (DSCA) Program of the North Carolina Department of Environment and Natural Resources was established to help fund the cleanup of contamination at dry cleaning sites. Participation in the DSCA cleanup program is voluntary and is available to past and present facility owners, operators and property owners of both active and former dry cleaning and wholesale solvent distribution facilities. DSCA also established minimum management practices that all dry cleaning and wholesale solvent distribution facilities must follow in order to prevent environmental contamination.

HISTLF Historic Landfills

VERSION DATE: NR

According to the Department of Environment and Natural Resources, Legislation in 2007 (SB1492) established a program to address pre-regulatory landfills that closed prior to January 1, 1983 when waste disposal permitting regulations commenced. This legislation adds new provisions to the Inactive Hazardous Sites Response Act for addressing these landfills. The program will be implemented by the Pre-Regulatory Landfill Unit within the Inactive Hazardous Sites Branch. This Pre-1983 landfill report contains only preliminary information and cannot be relied on to be complete or accurate.

HSDS Hazardous Substance Disposal Sites

VERSION DATE: 1/1998

The North Carolina Department of Environment, Health, and Natural Resources, Division of Waste Management, Superfund Section in cooperation with the North Carolina Center for Geographic Information and Analysis (CGIA) developed the Hazardous Substance Disposal Sites data set, to enhance planning, siting, and impact analysis in areas directly affected by Hazardous Substance Disposal Sites. This dataset identifies locations of uncontrolled and unregulated, hazardous waste sites (formerly called superfund sites) in North Carolina, sites on the CERCLA Information System (CERCLIS), the National Priorities List, the State Inactive Hazardous Sites List, the Sites Priority List, and some Department of Defense sites. While efforts have been made to ensure that these data are accurate and reliable within the state of the art, CGIA cannot assume liability for any damages or misrepresentation caused by any inaccuracies in the data or as a result of changes to the data caused by system transfers.

IHS Inactive Hazardous Sites

VERSION DATE: 4/2013

The Inactive Hazardous Sites Inventory is maintained by the Superfund Section of the Division of Waste Management in the North Carolina Department of Environment and Natural Resources (DENR). The DENR defines “Inactive Hazardous Sites” as areas where a hazardous substance release has come to be located and would include active and inactive facilities and a variety of property types. The term “inactive” refers to the fact that cleanup was inactive at large numbers of sites at the time of program enactment. This inventory also includes site status information for those sites listed on the October 2012 Report to the North Carolina General Assembly as they are transferred to the Sites Priority List; to the Voluntary Action category; and/or after cleanup is complete, to one of the "No Further Action" categories.

LAST Leaking Aboveground Storage Tanks

VERSION DATE: 9/2013

This Regional Aboveground Storage Tanks Incident Management Database is maintained by the North Carolina Department of Environment and Natural Resources’ Division of Waste Management. The Corrective Action Program oversees the assessment and cleanup of sites where releases to the environment have occurred.

LUR Land Use Restricted Sites

VERSION DATE: 6/2012

This listing includes sites from the Inactive Hazardous Sites Inventory with a No Further Action Restricted Use status. The inventory is maintained by the Superfund Section of the Division of Waste Management in the North Carolina Department of Environment and Natural Resources (DENR). The DENR defines “Inactive Hazardous Sites” as areas where a hazardous substance release has come to be located and would include active and inactive facilities and a variety of

property types. The term “inactive” refers to the fact that cleanup was inactive at large numbers of sites at the time of program enactment. After cleanup is complete, the site is transferred to a "No Further Action" status.

LUST Leaking Underground Storage Tanks

VERSION DATE: 9/2013

This Regional Underground Storage Tanks Incident Management Database (IMD) is maintained by the North Carolina Department of Environment and Natural Resources’ Division of Waste Management. The UST Corrective Action Program in this Division oversees the assessment and cleanup of sites where releases to the environment have occurred.

LUSTFUND State Trust Funds Database

VERSION DATE: 9/2013

The North Carolina Department of Environment and Natural Resources’ Underground Storage Tank Program provides cleanup funds for reimbursement costs incurred during the cleanup of soil and groundwater contamination resulting from a release of petroleum from an underground storage tank. Two funds, the Commercial Trust Fund and the Noncommercial Trust Fund, have been established to reimburse tank owners, operators, and landowners for costs associated with cleanups. Commercial underground storage tanks include USTs containing petroleum products for resale, farm or residential motor fuel tanks with a capacity greater than 1,100 gallons, heating oil tanks greater than 1,100 gallons (unless they serve four or fewer households). Noncommercial underground storage tanks include heating oil tanks with a capacity of 1,100 gallons or less, heating oil tanks with a capacity greater than 1,100 gallons that serve one to four households, farm or residential motor fuel tanks with a capacity of 1,100 gallons or less.

NPDES National Pollutant Discharge Elimination System Permits

VERSION DATE: 11/2013

The Water Quality Division of the North Carolina Department of Environment and Natural Resources provides this list of active National Pollutant Discharge Elimination System (NPDES) Permits.

PWS Public Water Supply Water Sources

VERSION DATE: 11/2009

The North Carolina Department of Environment and Natural Resources, Division of Environmental Health, Public Water Supply Section in cooperation with the NC Center for Geographic Information and Analysis (CGIA), has developed this dataset to provide accurate location of public water supply system sources (including ground water and surface water sources) in North Carolina. While efforts have been made to ensure that these data are accurate and reliable within the state of the art, CGIA cannot assume liability for any damages or misrepresentation caused by any inaccuracies in the data or as a result of changes to the data caused by system transfers.

SPILLS Spills listing

VERSION DATE: 6/2013

This spills tracking database is provided by the Division of Water Quality's Emergency Response Section of the North Carolina Department of Environment and Natural Resources (DENR). The data contains spills reported to the DENR since April of 2007.

SWF Solid Waste Facilities

VERSION DATE: 10/2013

The North Carolina Department of Environment and Natural Resources' Division of Waste Management provides this list of solid waste permitted facilities.

UST Underground Storage Tanks

VERSION DATE: 9/2013

This Registered Tanks Database is maintained by the North Carolina Department of Environment and Natural Resources' Division of Waste Management. The Underground Storage Tank Section in this Division issues permits, collects annual fees and handles requests for information for regulated and /or commercial underground storage tanks. The section ensures compliance with all relevant state and federal laws, policies, rules and regulations by assisting owners and operators in complying with operational standards (leak detection, spill and overfill detection, etc.).

VAP Voluntary Action Program Sites

VERSION DATE: 6/2012

This listing includes sites from the Inactive Hazardous Sites Inventory with a Voluntary Action Under Agreement status. The inventory is maintained by the Superfund Section of the Division of Waste Management in the North Carolina Department of Environment and Natural Resources (DENR). The DENR defines "Inactive Hazardous Sites" as areas where a hazardous substance release has come to be located and would include active and inactive facilities and a variety of property types. The term "inactive" refers to the fact that cleanup was inactive at large numbers of sites at the time of program enactment. If a party volunteers to clean up a site and enters into an agreement with the Inactive Hazardous Sites Branch, the site is then transferred to the Voluntary Action category.

INDIANRES Indian Reservations

VERSION DATE: 1/2000

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

LUSTR04 Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 2/2013

Leaking underground storage tanks on Tribal lands located in Region 4 include the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

ODINDIAN Open Dump Inventory on Tribal Lands

VERSION DATE: 11/2006

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

USTR04 Underground Storage Tanks On Tribal Lands

VERSION DATE: 2/2013

Underground storage tanks on Tribal lands located in Region 4 include the following states: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

APPENDIX F
SITE PHOTOGRAPHS

Photo 1 View of the site looking northwest from Poplar Grove Road.

Photo 2 View of the buildings located on the site.

Photo 3 View of the former bulk fuel transport off-loading area in the southern portion of the site.

Photo 4 View of the former fuel loading rack area near the central portion of the site.

Photo 5 View of the former tank farm area in the southwestern corner of the site.

Photo 6 View inside the warehouse/shop building as seen through a window on the south side of the building.

Photo 7 View of the heating oil AST located along the north side of the office building.

Photo 8 Partial view of the 55-gallon located in the warehouse/shop building.

Photo 9 View of oily water located in the former tank farm area.

Photo 10 View looking eastward along the northern property boundary of Boone Creek.

Photo 11 View of the adjoining Watauga County Agricultural Center property to the west.

Photo 12 View of the adjoining Watauga County Agricultural Center property to the north.

APPENDIX G
CREDENTIALS

STEPHEN C. BROWN
PROJECT GEOLOGIST

PROFESSIONAL EXPERIENCE

Mr. Brown is a Project Geologist for the Charlotte Office of Terracon Consultants, Inc. He has over 17 years of experience in the engineering consulting field, including technical applications in a variety of project types for environmental assessment, geotechnical investigation and construction services. His present responsibilities include client contact to identify project requirements; preparation of proposals; establishing project scopes of work; managing and conducting Phase I Environmental site assessments for potential real estate transactions; managing and conducting soil and groundwater assessments to determine the presence and extent of contaminants; managing underground storage tank (UST) closures and soil remediation; FCC environmental compliance checklists/NEPA studies; wetlands identification and delineation; and asbestos inspections and radon gas testing.

PROJECT EXPERIENCE

Phase I Environmental Site Assessments

Mr. Brown has performed several hundred Phase I Environmental Site Assessments (ESAs) consisting of observation/research/inquiry studies to identify potential environmental liabilities relative to real estate transactions. Project types range from residential developments to commercial business properties, industrial facilities, and publicly owned facilities. Clientele includes private owners, commercial developers, trucking companies, industrial entities, insurance companies, banks, realtors and legal firms.

Phase II Environmental Assessments

Mr. Brown has performed and managed soil and groundwater investigations. Assessment activities include locating and drilling soil borings, collecting and screening soil samples, installing monitoring wells, collecting groundwater samples and performing aquifer tests and reduction and analysis of field data obtained with respect to project and/or regulatory parameters, including evaluation of magnitude and extent of contamination. Hydrogeologic evaluations have included determination of site-specific geology and aquifer characteristics, groundwater flow direction, and groundwater flow rates. Mr. Brown has prepared groundwater contour maps, contaminant plume and concentration maps. Contaminant types assessed have ranged from petroleum compounds to chlorinated solvents and metals.

Natrural Resources Services

Mr. Brown has experience in consulting with clients and performing wetland identification and delineation to obtain written US Army Corps of Engineers jurisdictional determinations. He has conducted hundreds of wetlands evaluations and has experience in delineating different wetland ecosystems and has experience with Federal and State permitting requirements and regulations. In addition, Mr. Brown has conducted numerous environmental compliance checklists and National Environmental Policy Act (NEPA) studies with regard to communications towers.

Air Quality Services

Mr. Brown has been a licensed asbestos inspector for over 15 years and has experience consulting with clients and performing air quality services consisting of asbestos and radon surveys. Asbestos services include identification of the presence, condition and general location, developing plans for removal, and conducting pre-bid meetings and selecting contractors.

Education

Bachelor of Science, Earth Science, University of North Carolina Charlotte, 1995

Certifications

40-Hour Course – Health & Safety for Hazardous Waste Operations

8-Hour Refresher – Health & Safety for Hazardous Waste Operations

Accreditations

Licensed Asbestos Inspector – North Carolina and South Carolina

Professional Training

Wetlands Identification and Delineation 40 Hour Training, 1998

Wetland Plant Identification

Benthic Macro Invertebrates Training, NC State University

USACE/North Carolina DWQ Consultant Regulatory Workshop

Stream Morphology Assessment, NC State University

Affiliations

Society of Wetland Scientists

National Groundwater Association

Work History

Terracon Consultants, Inc., Project Geologist, 2006-present

Engineering Consulting Services, Ltd., Project Geologist, 1996-2006

CHRISTOPHER L. CORBITT, P.G.
SENIOR ENVIRONMENTAL PROJECT MANAGER

PROFESSIONAL EXPERIENCE
Mr. Corbitt is a Senior Environmental Project Manager at Terracon's Charlotte, N.C. office. He has been involved with environmental projects for over 24 years. His responsibilities include business development, technical leadership and project management for a variety of environmental projects, such as contamination assessments for petroleum and DNAPL sites, remedial action plan design and implementation, Phase I environmental site assessments (ESAs), compliance audits, litigation support, and third-party consultant reviews. Mr. Corbitt has managed projects for numerous commercial and industrial clients, government entities, and for the past five years has managed due diligence, contamination assessment and remediation projects for a major telecommunications company in the southeastern United States. As a result of Mr. Corbitt's experience, he is well respected among the local and state regulatory agencies.

PROJECT EXPERIENCE
Environmental Site Assessments
Mr. Corbitt has conducted over 1000 Phase I ESAs and contamination assessments for commercial, industrial, government and residential entities since 1988. He is familiar with the current ASTM standard procedures for Phase I Environmental Site Assessments. Mr. Corbitt has also performed compliance reviews of environmental regulations for various industrial facilities and has also conducted reviews of asbestos survey reports.

Contamination Assessments
BellSouth (AT&T) – Gastonia, Lincolnton, Winston-Salem, Charlotte, Raleigh, Goldsboro and Greensboro, North Carolina; Charleston, South Carolina
Mr. Corbitt was the technical lead and project manager of approximately ten petroleum/solvent contamination assessments throughout North and South Carolina. Facilities are former or current service operations centers or offices owned by Bellsouth (AT&T) that historically maintained and operated underground petroleum storage tanks. In one location, chlorinated solvents were detected in the groundwater due to a neighboring property that operated a dry cleaning operation in the past. Assessments were performed under the guidance of the North Carolina Department of Environment and Natural Resources (NCDENR) or the South Carolina Department of Health and Environmental Control (SCDHEC).

Charlotte-Douglas International Airport – Charlotte, North Carolina
Mr. Corbitt was the technical environmental lead and project manager for various invasive assessments and limited site investigations associated with leaking underground petroleum storage tanks at various rental car agencies and airport operations. Mr. Corbitt also provided oversight of a significant release from underground fuel lines at a US Airways hangar facility. Mr. Corbitt was also the environmental lead for assessment activities associated with the airport expansion of the "third parallel runway".

Education
Bachelor of Science, Geology, 1976, North Carolina State University

Master of Science, Geology, 1987, East Carolina University

Hydrogeology Course, 1989, University of North Carolina-Charlotte

Certifications
Licensed Geologist in NC, SC and VA

40-Hour Health & Safety for Hazardous Waste Operations

8-Hour Refresher, Health & Safety for Hazardous Waste Operations

Affiliations
Adjunct Professor for Montreat College, 1997 to present, Environmental Studies

Work History
Terracon Consultants, Inc., Senior Environmental Project Manager, 2008 to present

MACTEC Engineering and Consulting, Inc (aka Law Engineering)., Principal Geologist, 1988-1999; 2001-2008

Engineering Consulting Services, Ltd., 1999-2001, Principal Geologist

NFL Stadium Site – Charlotte, North Carolina

Mr. Corbitt was the technical environmental lead and project manager for the assessment and clean up of properties contained within the footprint of the planned NFL Stadium site in Charlotte, North Carolina. Assessment of the various parcels included the removal of underground storage tanks, excavation of petroleum-impacted soils, delineating petroleum and solvent contaminant plumes within the groundwater and successfully negotiating a risk-based, natural attenuation program for cleanup with the North Carolina Department of Environment and Natural Resources on behalf of the City of Charlotte prior to the establishment of risk-based regulatory standards in North Carolina.

Litigation Support Services

Mr. Corbitt served as a fact witness and provided supporting documentation for *Alltel vs. The State of North Carolina* regarding the reported amounts of petroleum-impacted soils removed at two facilities in North Carolina. Alltel was reimbursed by North Carolina for the soil removal activities but the State later demanded that the reimbursed funds be returned due to a lack of documentation supporting the volume of soils removed at the two sites. Litigation support included peer review of UST closure assessments and soil removal activities performed by others and providing opinions for cleanup costs and the nature and likely amounts of soils removed.

Remedial Action

BellSouth (AT&T) – Gastonia, Lincolnton, Raleigh, and Goldsboro, North Carolina; Charleston, South Carolina

Mr. Corbitt provided oversight of existing remediation systems at several BellSouth (AT&T) facilities where petroleum and solvent constituents had impacted the groundwater. The various systems involved pump and treat through bioreactors or air sparging. During the past two years, half of the systems have been closed out by deed restriction covenants due to the reduction of contaminant levels to regulatory standards.

Morningstar Properties - Passive Methane Venting System, Charlotte, North Carolina

Mr. Corbitt managed and provided oversight for design and implementation of a passive methane venting system at a private mini-storage facility in Charlotte, North Carolina. The facility was constructed on a small private construction debris landfill. Decomposition of the buried materials produced methane gas at levels that exceeded the lower explosive limit. Methane was detected beneath the asphalt pavement and buildings at the facility. Shallow trenches were excavated, filled with permeable pipe and gravel to allow preferential pathways for the methane to migrate towards vents installed along the exterior walls of the on-site buildings.

Underground and Aboveground Storage Tanks

Mr. Corbitt has conducted numerous aboveground and underground storage tank (AST/UST) closure assessments since 1988 in North Carolina and South Carolina. Prepared plans and specifications for tank abandonment and observed the tank removal activities for compliance with applicable regulations. Projects involved testing of soil and groundwater necessary to perform closure assessments and preparation of the assessment for regulatory review.

Former Clinipad Facility – Charlotte, North Carolina

Mr. Corbitt completed a Comprehensive Site Assessment (CSA) and Corrective Action Plan (CAP) at the former Clinipad facility which had closed due to bankruptcy. Chlorinated solvents were detected in the groundwater at the site near a drum storage area at the rear of the facility. Based on geology and lack of migration of the contaminant plume, risk-based attenuation monitoring was conducted at the site for approximately five years. The monitoring activities were paid through an escrow account from the bank that foreclosed on the property.