



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

December 10, 2019

MEMORANDUM TO: Wanda Austin, PE, CPM  
Division 14 Project Development

FROM: Dennis G. Li, Ph.D., L.G.  
GeoEnvironmental Project Manager  
GeoEnvironmental Section  
Geotechnical Engineering Unit

DocuSigned by:  
*Dennis Li*  
3288528EC798426...  
12/10/2019

TIP NO: A-0009C  
WBS: 32572.1.FS10  
COUNTY: GRAHAM  
DIVISION: 14  
DESCRIPTION: Section of Corridor K along US129, NC143, and NC28 extend from Robbinsville to Stecoah in Graham County

SUBJECT: **GeoEnvironmental Phase I Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on November 21 and 22, 2019 for the above referenced project to identify geoenvironmental sites of concern. The purpose of this report is to document sites of concern within the project study area that are or may be contaminated. These sites of concern should be included in the environmental planning document in an effort to assist the project stakeholders in reducing or avoiding impacts to these sites. Sites of concern may include, but are not limited to, underground storage tank (UST) sites, dry cleaning facilities, hazardous waste sites, regulated landfills and unregulated dumpsites.

**Findings**

Twelve (12) sites of concern were identified within the proposed study area. We anticipate low monetary and scheduling impacts resulting from these sites. See the following table and figure for details.

Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernible during the project reconnaissance may occur. The GeoEnvironmental Section should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

Sites of concern identified in this report should be reviewed by the GeoEnvironmental Section once the Final Right of Way plans are complete to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.

If there are questions regarding the geoenvironmental issues, please contact me, at (919) 707-6857.

cc:

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**(01) Property Name:**

Wolf Creek General Store Café  
2620 NC-28  
Robbinsville, NC 28771

**Property Owner:**

WOLF CREEK DEN LLC  
2801 NW 55TH COURT BLDG 2  
FORT LAUDERDALE, FL 33309

**Facility ID:** 00-0-0000015288

**Incident Type/Number:** 41587

**UST Owner:**

WOLF CREEK DEN LLC  
2801 NW 55TH COURT BLDG 2  
FORT LAUDERDALE, FL 33309



**Anticipated Impacts:** LOW

This is an active gas station with multiple ASTs and one possible abandoned UST on site. One monitoring well observed on site and one record is located in NCDEQ's UST incident database. No current UST permit posted on site.



*Monitoring well*



*UST fill port*



*Active ASTs*

**(02) Property Name:**

Vacant store building (former gas station)  
5049 SWEETWATER RD  
Robbinsville, NC 28771

**Property Owner:**

SAWYER MONICA DEYTON, SAWYER  
SCOTT  
PO BOX 106  
Robbinsville, NC 28771

**Facility ID:** N/A

**Incident Type/Number:** N/A



**Anticipated Impacts: LOW**

This is a vacant store building, a former gas station with 3 USTs removed at least 20 years ago. While USTs and pumps appeared to be removed, three vent pipes are still in the back of the building. There are no USTs or monitoring wells observed on site. No record can be found in NCDEQ's UST incident database.



*Pump island removed*



*Three vent pipes on the back of the building*



*Former UST area*

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**(03) Property Name:**  
Midway Tire & Auto  
1485 SWEETWATER RD  
Robbinsville, NC 28771

**Property Owner:**  
HALL STEPHEN MATHEW, HALL ASHLEY  
GRAVES  
PO BOX 249  
Robbinsville, NC 28771

**Facility ID:** N/A  
**Incident Type/Number:** N/A



**Anticipated Impacts:** LOW

This property was constructed after 1993 and it has been an auto repair facility since then. One UST located inside the building and a few ASTs outside the building were identified to contain waste oil. No in-ground hydraulic lifts located on site. No monitoring wells observed on site and no records can be found in NCDEQ's UST incident database.



*UST fill port inside the building according to an employee on site.*



*ASTs in the back of the property*

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**(04) Property Name:**

Sawyer's Home Care (Former gas station)  
533 SWEETWATER RD  
Robbinsville, NC 28771

**Property Owner:**

CLARK BETTY G 1/2 INT GARLAND  
KENNETH 1/2 INT  
267 MTN CREEK RD  
Robbinsville, NC 28771

**Facility ID:** N/A

**Incident Type/Number:** N/A



**Anticipated Impacts:** LOW

This is now an office building leased by Sawyer's Home Care. It was a former gas station with USTs and associated piping and pumps removed at least 20 years ago. There are no USTs or monitoring wells observed on site. No record can be found in NCDEQ's UST incident database.



*Former Pump island*



*Possible former USTs area*

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**(05) Property Name:**

Midnite Oil (former Sawyers Market)  
156 SWEETWATER ROAD  
Robbinsville, NC 28771

**Property Owner:**

COLLINS TOMMY R & RANDALL T  
861 SNOWBIRD RD  
Robbinsville, NC 28771

**Facility ID:** 00-0-0000021480

**Incident Type/Number:** 33373

**UST Owner:**

SAWYER'S MKT INC  
156 SWEETWATER ROAD  
Robbinsville, NC 28771



**Anticipated Impacts: LOW**

This is an active gas station with 3 USTs in record (former Sawyers Market). No current UST permit can be found on site and it has been reportedly converted to an AST system and operated by Midnite Oil. The 3 USTs are reportedly out of services for at least three years. One record is located in NCDEQ's UST incident database. No monitoring wells observed on site.



*USTs area-reportedly out of services.*



*Current ASTs*

**(06) Property Name:**  
CROWN FOOD MART  
272 RODNEY ORR BYPASSES  
Robbinsville, NC 28771

**Facility ID:** 00-0-0000016996  
**Incident Type/Number:** 41488

**Property Owner:**  
CODY HERVE & DIRK ROBBINSVILLE  
AUTO PART & APTS  
PO BOX 1117  
Robbinsville, NC 28771

**UST Owner:**  
CLAUDENE CODY DBA TEXACO FOOD  
MA  
PO BOX 25045  
WINSTON SALEM, NC 28002-1059



**Anticipated Impacts: LOW**

This is an active gas station with multiple ASTs and only 1 UST permitted in use at the site. Multiple monitoring wells observed on site and one record is located in NCDEQ's UST incident database.



Current UST permit



ASTs



*UST area*



*AST near the street*



*ASTs with concrete internal lining.*



*Monitoring wells in pairs.*

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**(07) Property Name:**  
SOUTHEAST BULK, LLC  
92 FIVE POINT RD  
Robbinsville, NC 28771

**Property Owner:**  
SOUTHEAST BULK, LLC A DELEWARE  
LLC  
7014 A.C. SKINNER PARKWAY STE 290  
JACKSONVILLE, FL 32256

**Facility ID:** N/A  
**Incident Type/Number:** 28254



**Anticipated Impacts:** LOW

This is a bulk distributing facility with ASTs and possible USTs on site. Some USTs removed and still stored on site. Two monitoring wells observed on site and no record can be located in NCDEQ's UST incident database.



*ASTs refill area with release catch basin.*



*Possible USTs.*



*Some USTs removed and store on site.*



*Abandoned dispenser.*



*Newer monitoring well*



*Older Monitoring well*

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**(08) Property Name:**  
DOT FACILITY-ROBBINSVILLE  
40 STATE RD  
Robbinsville, NC 28771

**Property Owner:**  
NORTH CAROLINA STATE OF  
116 W JONES ST  
RALEIGH, NC 27603-1300

**Facility ID:** 00-0-0000024661  
**Incident Type/Number:** 28254

**UST Owner:**  
NCDOT Equipment Unit  
4801 Beryl Road  
RALEIGH, NC 27606



**Anticipated Impacts: LOW**

This is an active NCDOT facility with an abandoned refuel station on site. USTs appear to be moved from the site and one monitoring well observed on site. One record was found in NCDEQ's UST incident database (2004).



*Former dispensers area*



*Monitoring well in the former USTs area*

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**(09) Property Name:**

Jones Family Produce and Country Store  
77 Tallulah Rd  
Robbinsville, NC 28771

**Property Owner:**

COLVARD ROBERT TRUST COLVARD  
ALISON TRUST  
420 SNUG HARBOR DRIVE  
MERITT ISLAND, FL 32953

**Facility ID:** N/A

**Incident Type/Number:** N/A



**Anticipated Impacts:** LOW

This is a vacant country store building with two car repair bays and two USTs remaining on site. Pumps have been removed. Two vent pipes and two small UST fill ports were observed to be on site. No monitoring wells observed on site and no record can be found in NCDEQ's UST incident database.



*Former dispenser area*



*Two vent pipes on the wall.*





*UST fill ports*



*UST fill port*

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**(10) Property Name:**

AZTEX 203 (FORMER HACKNEY FOOD SHOP # 3)  
578 TALLULAH RD  
Robbinsville, NC 28771

**Property Owner:**

HACKNEY PETROLEUM CAROLINA  
AMOCO FOOD STORE #3 AZTEX #203  
P O BOX 50038  
KNOXVILLE, TN 37901

**Facility ID:** 00-0-0000016224

**Incident Type/Number:** 5777

**UST Owner:**

HACKNEY PETROLEUM CAROLINA  
AMOCO FOOD STORE #3 AZTEX #203  
P O BOX 50038  
KNOXVILLE, TN 37901



**Anticipated Impacts: LOW**

This is an active gas station with one (1) UST permitted in use at the site; however, three USTs appear to be located in the UST dispenser area and one AST is also located at the side of the store building. One monitoring well (not secured) observed on site and one record is located in NCDEQ's UST incident database (1990).



UST permit



UST area (three USTs)



*AST and dispenser*



*Monitoring well (not secured)*

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**(11) Property Name:**

GARLAND AUTO (FORMER Robbinsville quick mart-2015/ Terry's Place-1997)  
825 TALLULAH RD  
Robbinsville, NC 28771

**Property Owner:**

CODY HERVE & DIRK ROBBINSVILLE  
AUTO PART & APTS  
PO BOX 1117  
Robbinsville, NC 28771

**Facility ID:** 00-0-0000035780 (former 00-0-0000015093)

**Incident Type/Number:** 41391(2015) and former # 18767 (1997)

**UST Owner:**

Harvey Cody  
PO BOX 218  
Robbinsville, NC 28771



**Anticipated Impacts: LOW**

This is a former gas station (Robbinsville Quick Mart) with 2 large USTs documented to be removed in 2015. Prior to this store, this was the Former Terry's Place gas station with 4 USTs removed in 1997. Two records were located in NCDEQ's UST incident database date to 1997 and 2015 respectively. No monitoring wells observed on site.



*USTs removed from the ground and store on site.*



*Land disturbance for USTs removal*

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**(12) Property Name:**

Smoky Mountain Cycle Center (Possible  
FORMER Terry's place)?  
849 TALLULAH RD  
Robbinsville, NC 28771

**Property Owner:**

GREEN CECIL R & MARY E % BEASLEY  
REPAIR/OLD LAUNDRY  
24 FARLEY BRANCH RD  
Robbinsville, NC 28771

**Facility ID:** N/A

**Incident Type/Number:** N/A

**UST Owner:**

Texaco food mart-Harvey Cody  
PO BOX 218  
Robbinsville, NC 28771



**Anticipated Impacts:** LOW

This is auto repair facility with two inground lifts in place. It was a former gas station and the USTs appeared to be removed from the site. However, no monitoring wells observed on site and no NCDEQ incident record or any document can be located regarding this site.



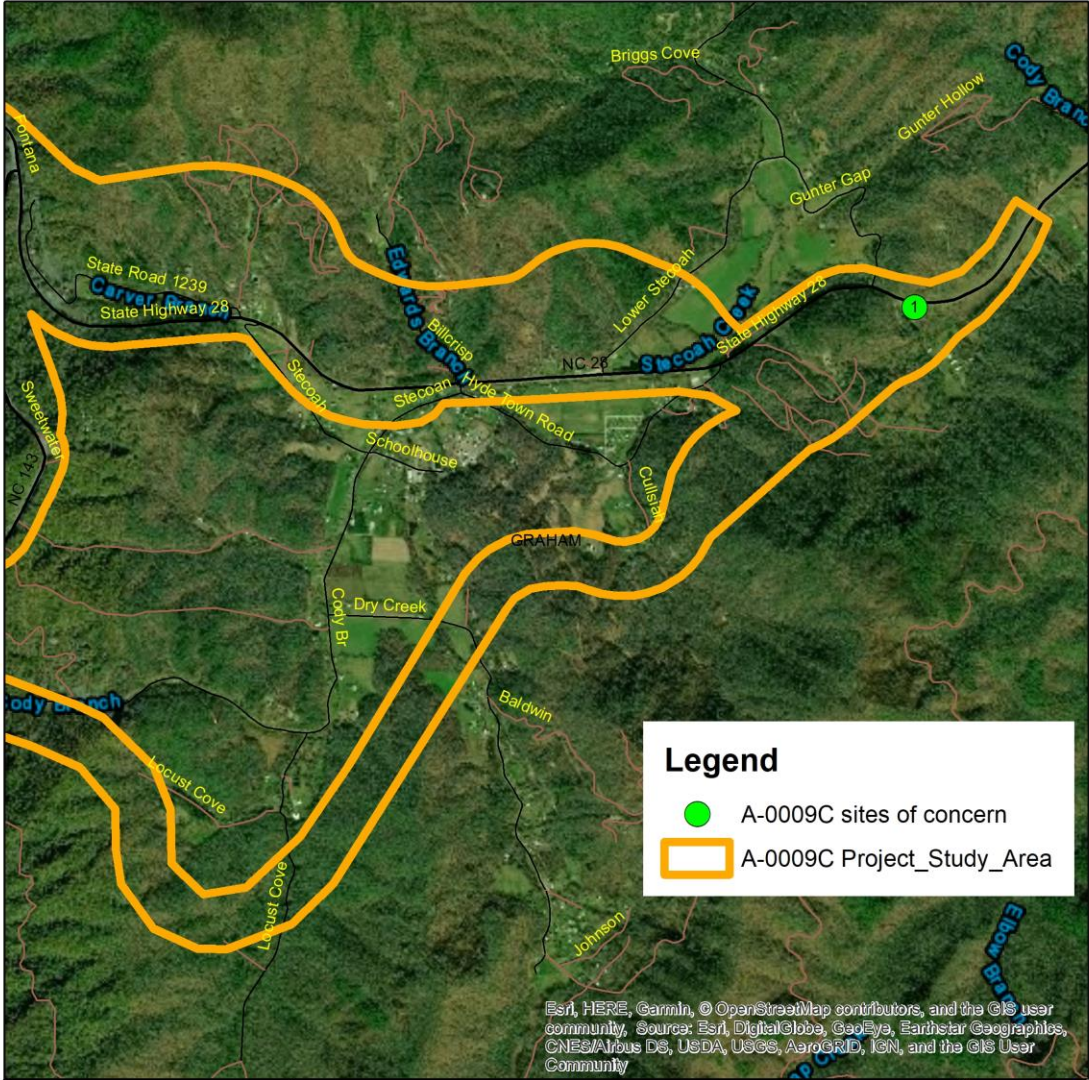
*Pavement disturbance appears to be for UST removal*



*Two bays with in-ground hydraulic lifts.*



**Appendix A**  
**Location of GeoEnvironmental Sites of Concern ( 1 of 4 )**



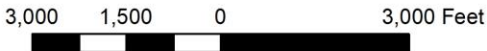
**Legend**

- A-0009C sites of concern
- A-0009C Project\_Study\_Area

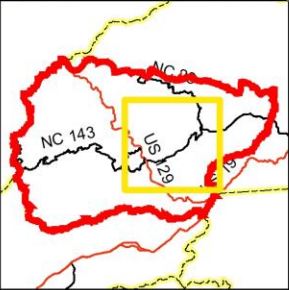
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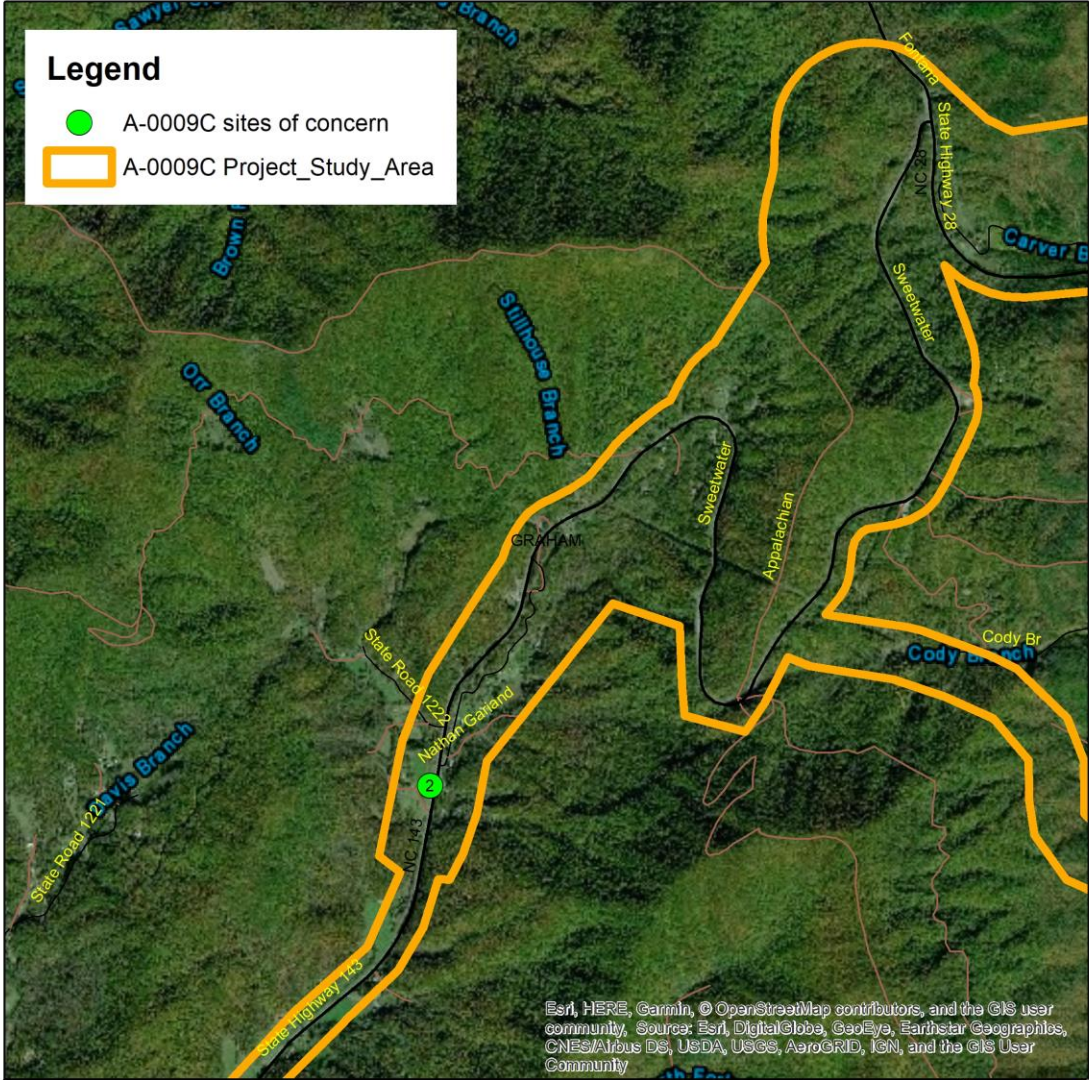
Project32572.1.FS1 (TIP # A-0009C)  
 Section of Corridor K along US129, NC143,  
 and NC 28 extend from Robbinsville to Stecoah  
 in Graham County



NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section



Appendix A  
 Location of GeoEnvironmental Sites of Concern ( 2 of 4)



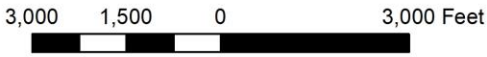
**Legend**

- A-0009C sites of concern
- A-0009C Project\_Study\_Area

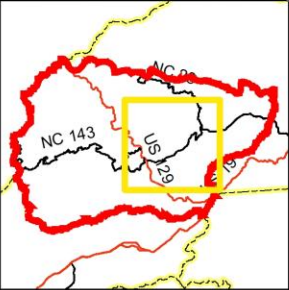
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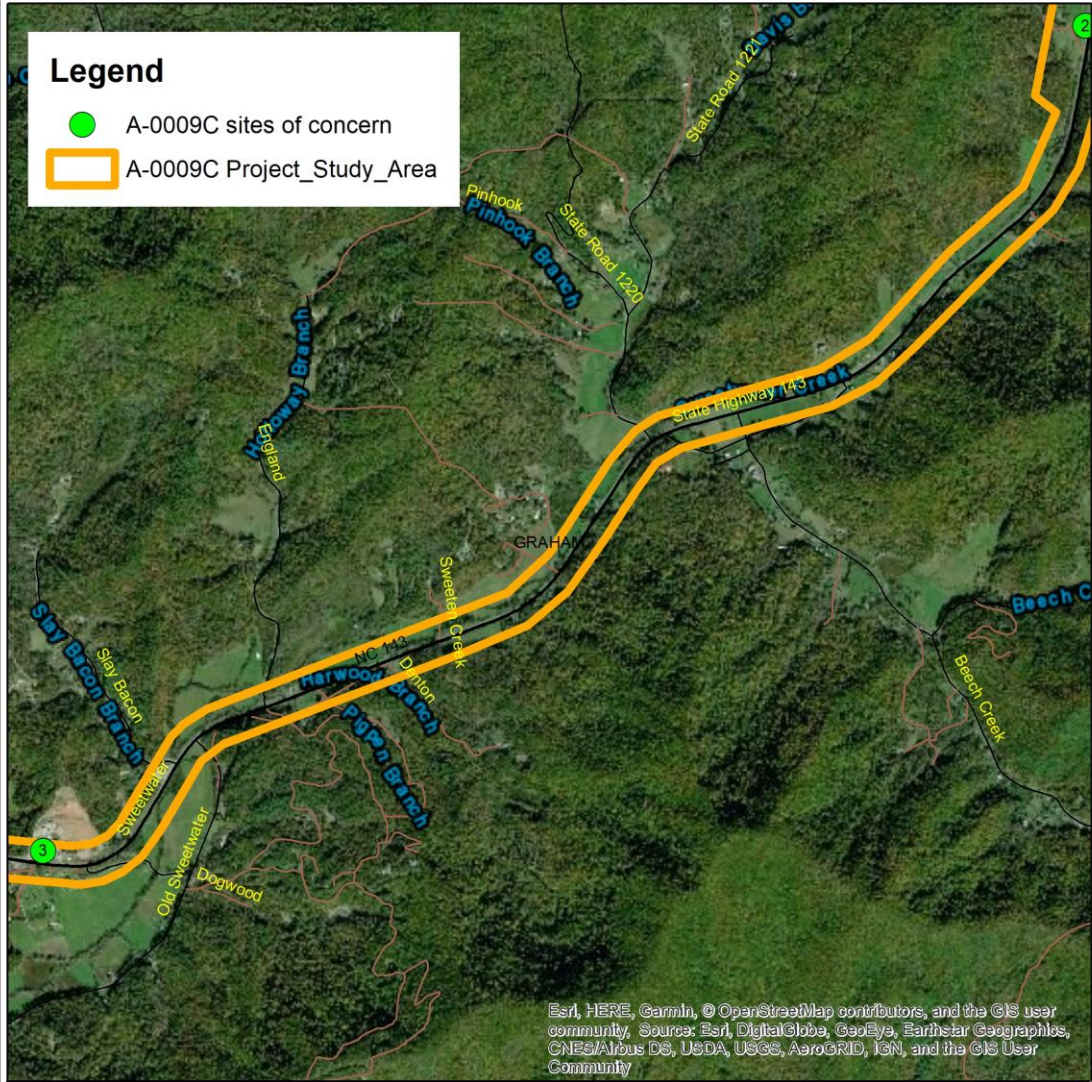
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NC Department of Transportation  
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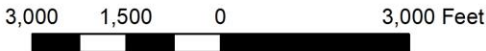
Appendix A  
 Location of GeoEnvironmental Sites of Concern ( 3 of 4 )



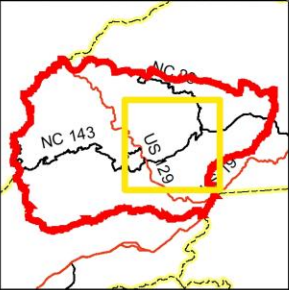
Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



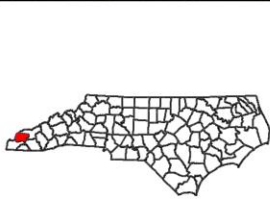
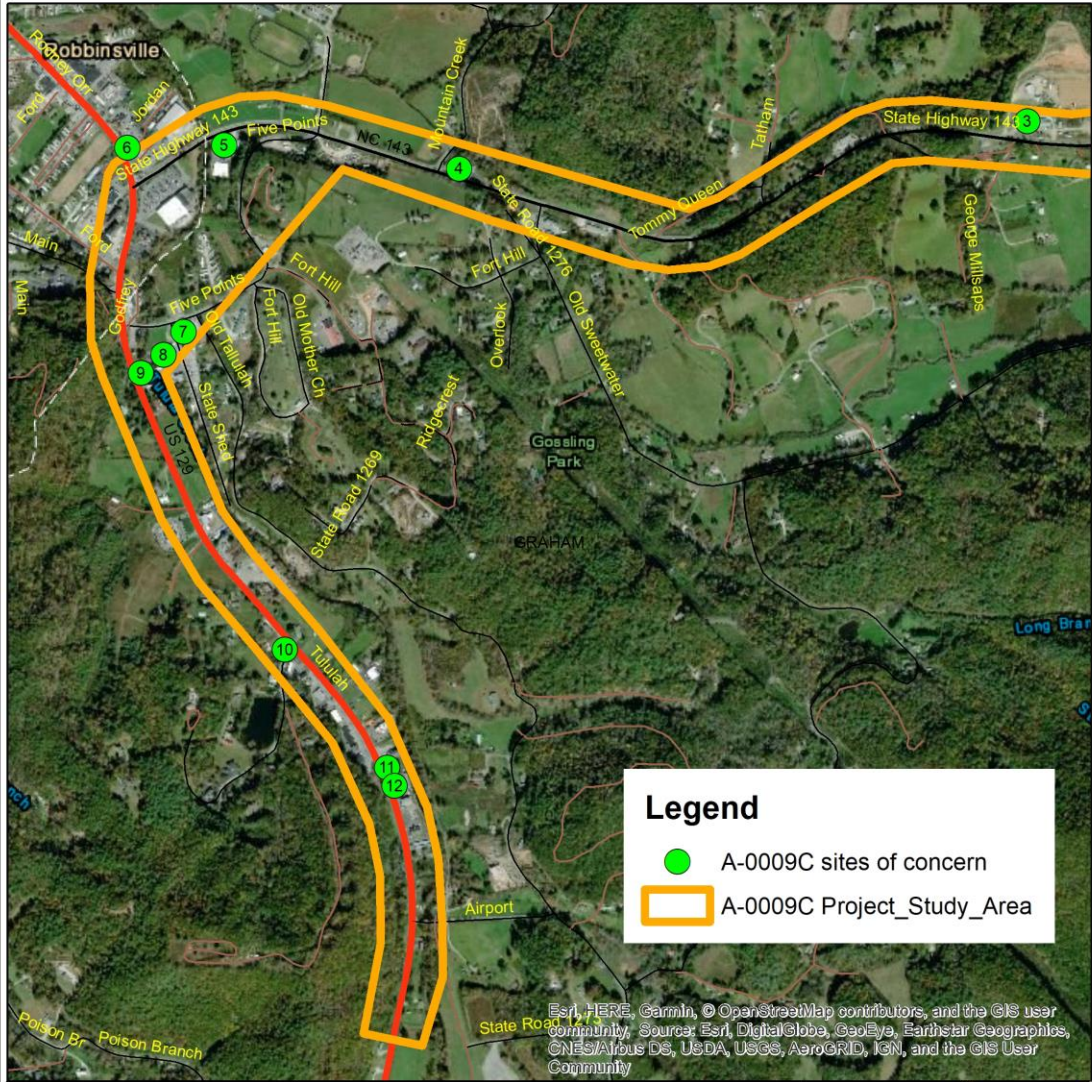
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NC Department of Transportation  
 Geotechnical Engineering Unit  
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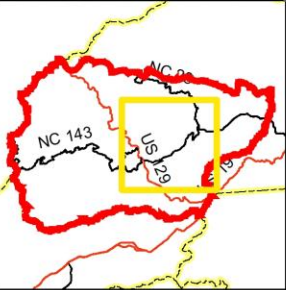
**Appendix A**  
**Location of GeoEnvironmental Sites of Concern ( 4 of 4 )**



Project32572.1.FS1 (TIP # A-0009C)  
 Section of Corridor K along US129, NC143,  
 and NC 28 extend from Robbinville to Stecoah  
 in Graham County

1,900 950 0 1,900 Feet

 NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section



**PROJECT SPECIAL PROVISIONS  
GEOENVIRONMENTAL**

**CONTAMINATED SOIL (5/5/2022)**

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds may exist within the project area. The known areas of contamination are indicated on corresponding plans sheets. Information relating to these contaminated areas, sample locations, and investigation reports will be available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "A-0009CA", "Individual Sheets/520 GeoEnvironmental":

<http://dotw-xfer01.dot.state.nc.us/dsplan/>

Petroleum contaminated soil may be encountered during any earthwork activities on the project. The Contractor shall only excavate those soils that the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on areas shown on the plans, petroleum odors, and unusual soil staining. Contaminated soil not required to be excavated is to remain in place and undisturbed. Undisturbed soil shall remain in place, whether contaminated or not. The Contractor shall transport all contaminated soil excavated from the project to a facility licensed to accept contaminated soil.

In the event that a stockpile is needed, the stockpile shall be created within the property boundaries of the source material and in accordance with the Diagram for Temporary Containment and Treatment of Petroleum-Contaminated Soil per North Carolina Department of Environmental Quality's (NCDEQ) Division of Waste Management UST Section GUIDELINES FOR EX SITU PETROLEUM CONTAMINATED SOIL REMEDIATION. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section's Regional Office for off-site temporary storage. The Contractor shall provide copies of disposal manifests completed per the disposal facilities requirements and weigh tickets to the Engineer.

**Measurement and Payment:**

The quantity of contaminated soil hauled and disposed of shall be the actual number of tons of material, which has been acceptably transported and weighed with certified scales as documented by disposal manifests and weigh tickets. The quantity of contaminated soil, measured as provided above, shall be paid for at the contract unit price per ton for "Hauling and Disposal of Petroleum Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to stockpiling, loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment.

Payment shall be made under:

**Pay Item**

Hauling and Disposal of Petroleum Contaminated Soil

**Pay Unit**

Ton

