



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

July 30, 2019

MEMORANDUM TO: Marissa Lenoce
Planner
STV

FROM: Ashley B Cox, Jr, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

DocuSigned by:
Ashley B Cox, Jr
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TIP NO: BR-0124
WBS: 67124.1.1
COUNTY: WILKES
DIVISION 11
DESCRIPTION: Replace Bridge Number 166 on SR1745 (Shumate Mountain Road) Over West Prong Roaring River

SUBJECT: **GeoEnvironmental Phase I Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on July 17, 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

One (1) site of concern was identified within the proposed study area. We anticipate low monetary and scheduling impacts resulting from this site. 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) 707-6872.

cc:

John Pilipchuk, LG, PE, State Geotechnical Engineer

Brian Hanks, PE, State Structures Engineer

Brent Hall, Locations and Surveys

Carl Barclay, PE, State Utilities Manager

Trent Beaver, PE, Division Construction Engineer

Daneil Miles, Division Right of Way Agent

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Heather Fulghum, ROW Unit, Negotiations, State Negotiator

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(01) Property Name:

Wiles Property
3984 Traphill Road
Hays, NC 28635

Property Owner:

Kim Wiles
4042 Traphill Road
Hays, NC 28635

Facility ID: N/A

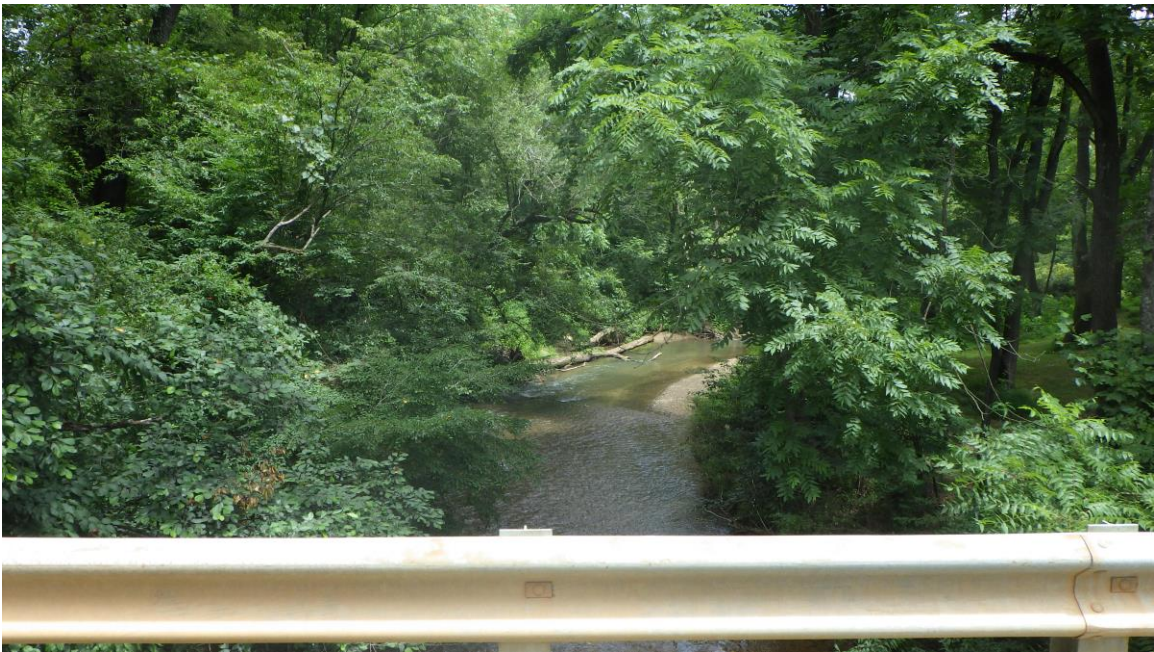


Anticipated Impacts: Low

This site appears to have operated as an automotive repair shop, wrecker service, and salvage yard. There are no documented incidents or registered tanks associated with this address. No evidence of USTs was observed during the site reconnaissance. There are batteries laying around and surficial staining of the soil from petroleum. Inside of the building was not accessed, so it is still uncertain as to the presence of in ground hydraulic lifts.



View from the bridge looking upstream (South).



Looking downstream (North).

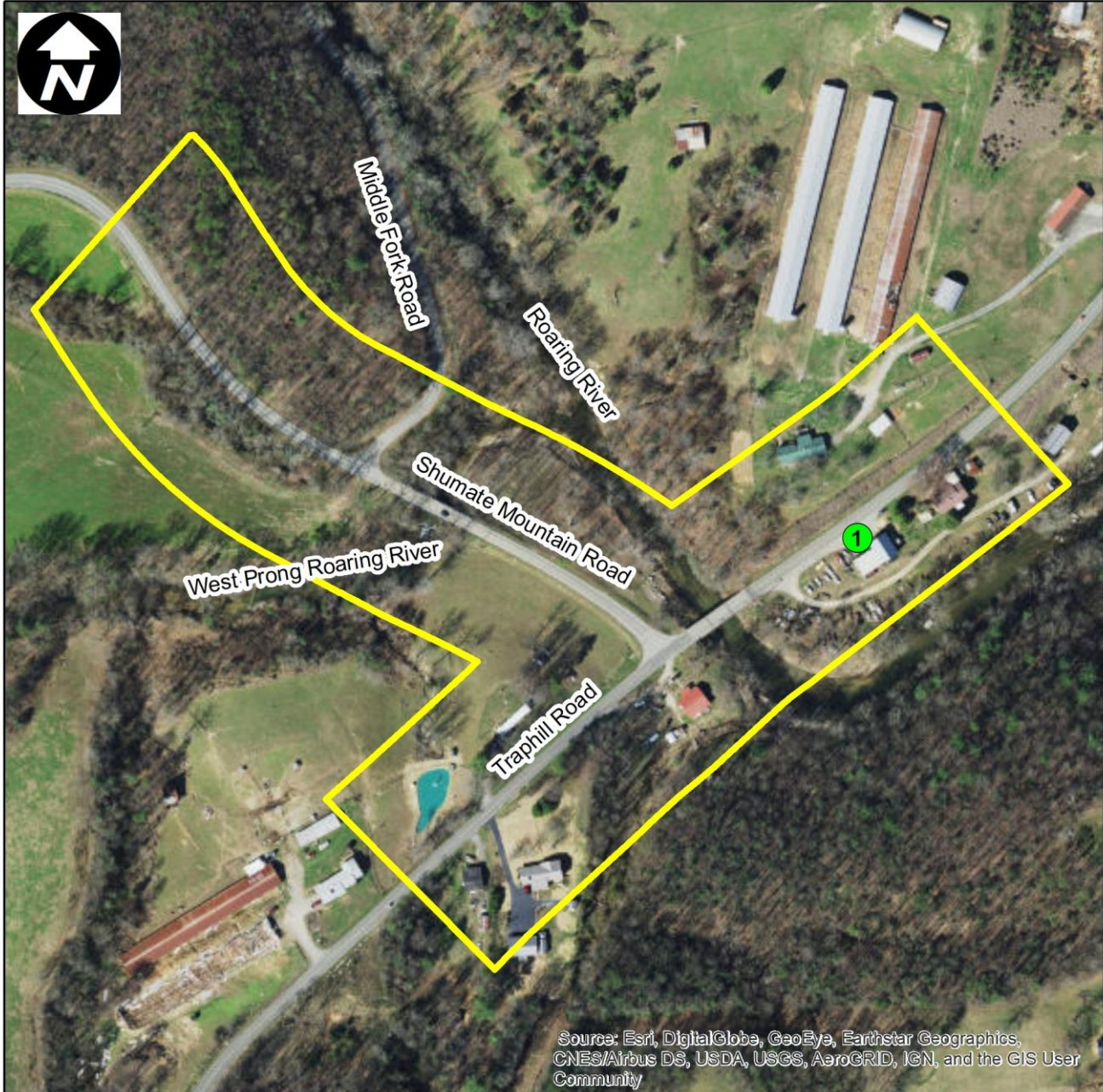


Approach from the intersection of Shumate Mountain Road and Middle Fork Road (West).

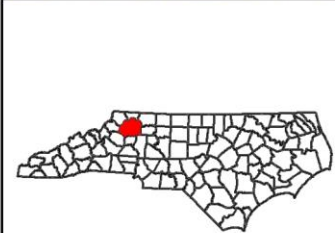


The view as approaching the bridge from the Traphill Road and Shumate Mountain Road intersection (East).

Figure
Location of GeoEnvironmental Sites of Concern



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Project 48833.1.1 (TIP # BR-0124)
 Replace Bridge 166 on SR 1745 (Shumate Mountain Road) over West Prong of Roaring River.
 Wilkes County

400 200 0 400 Feet



NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section

