Project Development Screening Report

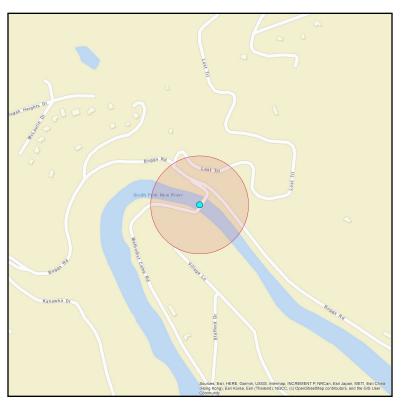
This report is for high-level screening purposes only. Staff and consultants must continue to adhere to NCDOT standard operating procedures including, but not limited to, ETRACS requests and field validations.

Report Date: 06/25/2021

Bridge 040509

The layers included help pre-screen potential resource conflicts and identify preliminary impacts for Bridge 040509.

County:	Ashe
Division:	11
Study Area Size:	11.7 Acres
Buffer Size:	500 Feet



EPA Level III Ecoregion:	Blue Ridge
EPA Level IV Ecoregion:	New River Plateau
HUC8:	05050001
Riparian Buffer:	N/A
CAMA:	No
Airport within 4 miles:	N/A

CountCountCoverageFeatureEPA NEPA Assist RADInfo0000EPA NEPA Assist Toxic Releases (TRI))0000NG Brownfields Boundary00 acc00NG Brownfields Boundary00 acc00NG Brownfields Locations00000NG Brownfields Locations00000NG DEO Activo Permitted Landfills00000NG DEO Charlotte Brownfield Agreement Boundaries00000NG DEO Charlotte Brownfield Agreement Boundaries00	Human Environment			
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	Utilities			
NC DEQ Dams 0 0 0	NCDOT ATLAS NC Utility Power Providers	1	11.7 ac	N/A
	NC DEQ Dams	0	0	0

NC Surface Water Intakes	0	0	0
NC Water Supply Intakes	0	0	0
NCDOT ATLAS NC Utilities University Points	0	0	0
NCREDC Water Distribution Systems Water Pumping Stations 1997	0	0	0
Sanitary Sewer Systems Land Application Areas	0	0	0
Sanitary Sewer Systems Pumping Stations	0	0	0

Natural Environment			
Conservation Area	Feature Count	Total Coverage	Nearest Feature
NC Natural Heritage Program Managed Areas	4	3.8 ac	4593.9 ft
Conservation Easements (National Conservation Easement Database	<u>)</u> 1	1.0 ac	734.8 ft
NC DEQ Outstanding Resource Water Management Zones	1	11.7 ac	N/A
NC Natural Heritage Natural Areas (NHNA)	1	2.1 ac	N/A
Blue Ridge Forever Appalachian Trail Centerline	0	0 ft	0
NC Critical Areas	0	0	0
NC DEQ Unique Wetlands	0	0	0
USFWS National Wildlife Refuges	0	0	0
Hydrography	Feature Count	Total Coverage	Nearest Feature
NCDOT Hosted NC DEQ 303d and 305b Streams	8	1571.9 ft	2377.8 ft
North Carolina Effective Flood zones	6	11.7 ac	714.0 ft
NC DEQ Water Supply Watershed IV	1	1571.9 ft	N/A
NC DEQ Water Supply Watersheds	1	11.7 ac	N/A
USACE Trout Watersheds	1	11.7 ac	4104.2 ft
NC DEQ DRAFT 2016 DWR 303(d) Water Quality Assessment	0	0	0
NC DEQ Water Supply Watershed I	0	0 ft	0
NC DEQ Water Supply Watershed II	0	0 ft	0
NC DEQ Water Supply Watershed III	0	0	0
NC Wild and Scenic Rivers (CGIA)	0	0	0
NCDOT ATLAS NC Western Watersheds Draining to Critical Habitat	0	0	0
USACE Western NC Water Buffers	0	0 ac	0
USACE Western NC Waters	0	0 ft	0
Threatened and Endangered	Feature Count	Total Coverage	Nearest Feature
NC Natural Heritage Element Occurrences	4	2.6 ac	2814.7 ft
NCDOT ATLAS NC IPaC Critical Habitat Species	1	11.7 ac	N/A
NCDOT ATLAS NC Atlantic Sturgeon Critical Habitat	0	0	0
NCDOT ATLAS NC Mines	0	0	0

NCDOT ATLAS NC Northern Long-Eared Bat Hibernation And Or Maternity Sites by HUC 12	0	0	0
USFWS ECOS Critical Habitat	0	0 ac	0
Water Quality	Feature Count	Total Coverage	Nearest Feature
US EPA Superfund Sites	0	0	0
Wetlands	Feature Count	Total Coverage	Nearest Feature
USFWS National Wetland Inventory	1	2.5 ac	482.7 ft

Report Metadata

Created by: SusanWestberry

Date/Time Executed: 06/25/2021 3:20 PM

Application version: 1.11.4.0

Report Disclaimer:

While the N.C. Department of Transportation strives to provide complete and accurate information, the data provided in this screening report are reported "as is." This report does not replace field data collection and data verification conducted by licensed professionals. No warranty is expressed or implied regarding the accuracy of available data for general or scientific purposes. NCDOT shall under no circumstances be responsible for any errors or omissions which may occur in these records, nor liable for any actions taken as a result of reliance upon any information contained within this web site from whatever source, or any consequences from such reliance.

How to read this report:

User-defined Project Study Area = The final polygon that the user created in the Screening Tool. This study area includes any buffers the user added within the application.

Layer Name = Layer selected for Screening. You may click the hyperlink to access additional layer details.

Field Name = Calculated result for a specific field within a layer that was selected for Screening (using Set Field).

Feature Count = Number of unique features (points, lines, and/or polygons) from a particular GIS layer that are within or intersecting the user-defined project study area.

Values displayed the Output Report: (N/A vs 0)

<u>N/A:</u> When this value is displayed it indicates that the calculation requested cannot be completed do to a limitation of the geometry. For example, you cannot calculate the area of a point.

<u>0:</u> When this value is displayed it means that the calculation was able to be performed with no limitations due to the input geometry, however the result was 0. For example, your study area did not overlap a hydrography feature, therefore the resulting overlap length is 0.

Total Coverage = Total number of linear feet (lines) or area (polygons) from a particular GIS layer that are contained within the user-defined project study area. N/A under Total Coverage refers to point layers as point layers cannot have coverage.

Nearest Feature = Distance from the boundary of the user-defined project study area to next closest feature (point, line, or polygon) for a particular GIS layer within the vicinity (1 mile) of the project study area boundary. Zero (0) under Nearest means there are no features in the project vicinity (1 mile buffer).

Availability of Web Services:

The layers referenced in this report utilize web services. If any web services were unavailable at the time of the report execution, related errors are noted in the following table:

Service Name	Service Url	Error Thrown
USGS Protected Area Database	https://services.arcgis.com/P3ePLMYs2R VChkJx/ArcGIS/rest/services/PADUS_8f eb2017/FeatureServer/0	



This report is not an official correspondence from the North Carolina Natural Heritage Program

Bridge 040509

Species Element Occurrences with federal status in study area					
Scientific Name	Common Name	Federal Status	EO Status	Sensitive Record	
Cryptobranchus alleganiensis alleganiensis	Eastern Hellbender		Current	Y	
Elliptio dilatata	Spike		Current	Ν	
Leptoxis dilatata	Seep Mudalia		Current	Ν	
Phenacobius teretulus	Kanawha Minnow		Current	Ν	
Species Element Occurre	ences with federal status	within 1 mile of study	y area		
Scientific Name	Common Name	Federal Status	EO Status	Sensitive Record	
Cryptobranchus alleganiensis alleganiensis	Eastern Hellbender		Current	Y	
Elliptio dilatata	Spike		Current	Ν	
Leptoxis dilatata	Seep Mudalia		Current	Ν	
Lilium grayi	Gray's Lily		Current	Ν	
Phenacobius teretulus	Kanawha Minnow		Current	Ν	
Spiraea virginiana	Virginia Spiraea	Т	Current	Ν	
Report Metadata					

Created by: SusanWestberry

Date/Time Executed: 06/25/2021 3:21 PM

For definitions of terms and values please refer to the North Carolina Natural Heritage Program's documentation found at: https://ncnhde.natureserve.org/help. To obtain or request an official correspondence from the North Carolina Natural Heritage Program, please visit https://ncnhde.natureserve.org/.

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