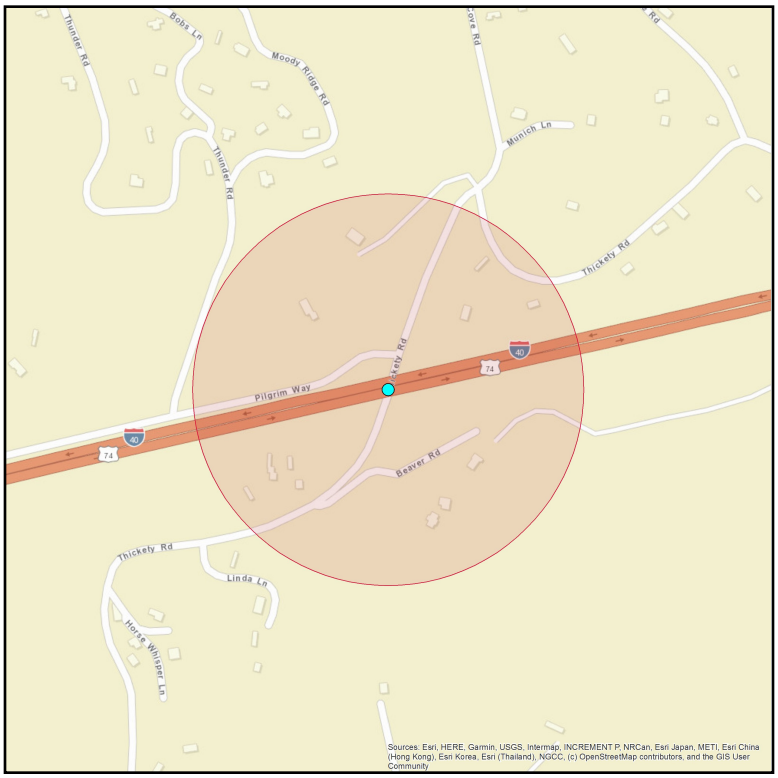
Project Development Screening Report

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: 08/23/2022

I-40 Bridge

N/A



County: Error

Division: 14

Study Area Size: 47.6 Acres

Buffer Size: 1000 Feet

User Customized Screening

EPA Level III Ecoregion: Blue Ridge

EPA Level IV Ecoregion: Broad Basins

HUC8: 06010106

Riparian Buffer: Error

CAMA: No

Airport within 4 miles: No

STIP ID: B-5541

STIP Route: B-5541: I-40

STIP Description: B-5541: REPLACE BRIDGE 430236 OVER SR 1513.

Human Environment

Boundaries	Feature Count	Total Coverage	Nearest Feature
NC MPO RPO Boundary	1	47.6 ac	N/A
NCDOT County Boundaries Polygon	1	47.6 ac	N/A
NCDOT Division Boundaries	1	47.6 ac	N/A
FEMA Hazard Mitigation Properties	0	0	0
NCDOT ATLAS NC USACE Norfolk District Section 408 Waters	0	0	0
TVA Recreation Areas	0	0	0
USGS Incorporated Places	0	0	0
Community	**Feature Count**	**Total Coverage**	**Nearest Feature**
NC Colleges and Universities	0	0	0
NC DEQ DWR Animal Operation Permits	0	0	0
NC DHHS Office of EMS Community Colleges	0	0	0
NC Multi Hazard Threat Database State Prisons	0	0	0
NC Public Libraries	0	0	0
NCDOT ATLAS NC Adult Education and Training Facilities	0	0	0
NCDOT ATLAS NC Medical Facilities	0	0	3234.7 ft
NCDOT ATLAS Places of Interest Polygon	0	0	2963.5 ft
North Carolina Public Schools	0	0	0
Places of Interest Points	0	0	3234.7 ft
TVA Boat Ramps	0	0	0
TVA Stream Access Points	0	0	0
US DHS HIFLD Day Care Centers	0	0	0
US DHS HIFLD Manufactured Home Parks	0	0	0
US HUD Public Housing Building	0	0	0
Design Complexity	**Feature Count**	**Total Coverage**	**Nearest Feature**
NCDOT Traffic Signals	0	0	0
Geo Environmental	**Feature Count**	**Total Coverage**	**Nearest Feature**
EPA NEPA Assist Toxic Releases (TRI)	0	0	0
NC Brownfields Boundary	0	0 ac	0
NC DEQ Inactive Hazardous Sites	0	0	3146.9 ft
NC Deq Non-UST AST Incidents	0	0	4056.2 ft
NC USGS Gauge Stations 2008	0	0	0
Other Permitted Solid Waste Facilities (Open)	0	0	0
Historic Architecture and Archaeology	**Feature Count**	**Total Coverage**	**Nearest Feature**
Tribal Urban Communities	1	47.6 ac	N/A
NC Historic Preservation Office Local District Boundaries	0	0 ac	0

NC Historic Preservation Office Local Points	0	0	0
NC Historic Preservation Office NR DOE Site Boundaries Poly	0	0	2963.5 ft
NC Historic Preservation Office NR DOE Site Points	0	0	0
NC Historic Preservation Office NR SL Site Boundaries Poly	0	0	0
NC Historic Preservation Office SL Points	0	0	0
NC Historic Preservation Office Surveyed Only Points	0	0	2366.3 ft
NCDOT ATLAS NC Cemeteries	0	0	1381.7 ft

Public Property	**Feature Count**	**Total Coverage**	**Nearest Feature**
National Park Service Park Boundaries	0	0 ac	0
NC Mountains to Sea Trail	0	0 ft	0
NC Paddle Trails Points	0	0	0
North Carolina State Owned Lands	0	0	0
UNC NEMAC Regional Trails	0	0	0
USDA Forest Service Original Proclaimed National Forests	0	0	0
USDA National Forests	0	0	0
USGS Bureau of Land Management Sites	0	0	0
USGS National Cemetery	0	0	0
USGS National Forest	0	0	0
USGS National Grassland	0	0	0
USGS National Park	0	0	0
USGS National Wilderness	0	0	0
USGS Native American Area	0	0	0
USGS Tennessee Valley Authority Land	0	0 ac	0

Transportation	**Feature Count**	**Total Coverage**	**Nearest Feature**
NCDOT Road Characteristics Functional Class	5	7083.6 ft	15.3 ft
NCDOT Road Characteristics Speed Limit	4	6197.0 ft	15.3 ft
NCDOT RoadNC Primary Roads	4	3254.3 ft	N/A
NCDOT State Maintained Roads Interstates	4	3254.3 ft	3295.7 ft
NCDOT State Maintained Roads Primary Routes	4	3254.3 ft	3295.7 ft
NCDOT RoadNC Secondary Roads	2	2942.7 ft	15.3 ft
NCDOT All State Maintained Roads	11	6197.0 ft	15.3 ft
NCDOT State Transportation Improvement Program (STIP) Lines	1	1627.7 ft	3122.7 ft
NCDOT State Transportation Improvement Program (STIP) Points	1	N/A	3311.7 ft
NCDOT Structures Bridge Structures	1	N/A	2908.6 ft
FAA Airports	0	0	0
NCDOT AADT Stations	0	0	12.4 ft
NCDOT AADT Traffic Segments Interstates 2018	0	0 ft	0
NCDOT ATLAS NC PM Project Study Area	0	0	0

NCDOT Highway Maintenance Improvement Program (HMIP) 2020	0	0	0
NCDOT Highway Maintenance Improvement Program (HMIP) 2021	0	0	0
NCDOT Highway Maintenance Improvement Program (HMIP) 2022	0	0	0
NCDOT Highway Maintenance Improvement Program (HMIP) 2023	0	0	1392.0 ft
NCDOT Highway Maintenance Improvement Program (HMIP) 2024	0	0	3924.3 ft
NCDOT PBIN Proposed Bike Facility Lines	0	0	3296.0 ft
NCDOT PBIN Existing Bicycle Facility Lines	0	0	0
NCDOT PBIN Proposed Bicycle Facility Points	0	0	0
NCDOT Railroad Facilities	0	0	0
NCDOT Structures Culverts	0	0	0
NCDOT Structures Pedestrian Structures	0	0	0
NCDOT Structures Pipes	0	0	0
NCDOT Structures Tunnel Structures	0	0	0

Utilities	**Feature Count**	**Total Coverage**	**Nearest Feature**
NCDOT ATLAS NC Utility Power Providers	1	47.6 ac	N/A
Duke Transmission Easements	0	0	1875.0 ft
NC DEQ Dams	0	0	0
NC Surface Water Intakes	0	0	0
NC Water Supply Intakes	0	0	0
NCDOT ATLAS FERC Data	0	0	0
NCDOT ATLAS NC Utilities University Points	0	0	0

Natural Environment

Conservation Area	**Feature Count**	**Total Coverage**	**Nearest Feature**
Catawba Main Stem (1000 foot Buffer)	0	0	0
Conservation Easements (National Conservation Easement Database)	0	0	1389.1 ft
NC Conservation Tax Credit Program Properties	0	0 ac	0
NC Critical Areas	0	0	0
NC DEQ CAMA Counties (DCM List)	0	0	0
NC DEQ Oceanfront Setback Factors	0	0	0
NC DEQ Outstanding Resource Water Management Zones	0	0	0
NC DEQ Primary Fish Nursery Areas	0	0	0
NC DEQ Unique Wetlands	0	0	0
NC Natural Heritage Natural Areas (NHNA)	0	0	0
NC Natural Heritage Program Managed Areas	0	0	4760.3 ft
NC Shellfish Growing Area Classifications	0	0 ac	0
NCDOT ATLAS NC Coastal Public Trust Shorelines AEC	0	0	0
NCDOT ATLAS NC Ocean Hazard Erodible AEC	0	0	0

NCDOT ATLAS NC Public Trust AEC	0	0	0
NCDOT ATLAS NC Public Trust Unvegetated Beach AEC	0	0	0
NCDOT ATLAS NC Significant Coastal Archaeological Resources AEC	0	0	0
NCDOT ATLAS NC Unique Coastal Geologic Formations AEC	0	0	0
USFWS National Wildlife Refuges	0	0	0
USGS Protected Area Database	0	0 ac	0
USGS Wildlife Reserve	0	0	0
Fish and Aquatics	**Feature Count**	**Total Coverage**	**Nearest Feature**
NC DEQ DMF Reef Guide Artificial Reefs	0	0	0
NC DEQ DMF Reef Guide Oyster Sanctuaries	0	0	0
NC WRC Public Mountain Trout Waters	0	0 ft	0
NOAA Essential Fish Habitat	0	0 ac	0
Submerged Aquatic Vegetation	0	0 ac	0
Hydrography	**Feature Count**	**Total Coverage**	**Nearest Feature**
NCDOT ATLAS NC Hydrography	2	2695.3 ft	98.0 ft
NC DEQ Major Basins	1	47.6 ac	N/A
NCDOT ATLAS NC Western Watersheds Draining to Critical Habitat	1	47.6 ac	N/A
North Carolina Effective Flood zones	1	47.6 ac	1131.4 ft
USACE Trout Watersheds	1	47.6 ac	N/A
NC 24K Streams 2014	0	0	1686.2 ft
NC DEQ DCM Oceanfront & Inlet Shorelines	0	0 ft	0
NC DEQ DRAFT 2016 DWR 303(d) Water Quality Assessment	0	0	1686.2 ft
NC DEQ Riparian Buffer Areas	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 DEQ Water Supply Watershed IV	0	0	0
NC DEQ Water Supply Watersheds	0	0	0
NC Falls Lake Boundary	0	0	0
NC Goose Creek Watershed Boundary	0	0	0
NC High Rock Watershed Boundary	0	0	0
NC Major Hydrography Streams Rivers (CGIA)	0	0	1752.0 ft
NC Perry Creek Watershed Boundary	0	0	0
NC Randleman Lake Watershed Boundary	0	0	0
NC USGS Stream Gaging Stations	0	0	0
NC WRC Boating Locations	0	0	0
NCDOT ATLAS NC Open Water Polygons	0	0	1675.1 ft
NOAA Datums Stations	0	0	0

TVA Reservoirs	0	0	0
US DHS HIFLD Coast Guard Regulated Navigational Areas	0	0 ac	0
USACE Channel Area	0	0 ac	0
USACE Channel Quarter	0	0 ac	0
USACE Channel Reach	0	0 ac	0
USACE Corps Projects Area	0	0 ac	0
USACE Corps Projects Point	0	0	0
USACE Western NC Water Buffers	0	0 ac	0
USACE Western NC Waters	0	0 ft	0
USFWS Coastal Barrier Resources Act Areas	0	0	0
USGS Drainage Areas of Selected Sites	0	0	2147.3 ft
Mitigation	**Feature Count**	**Total Coverage**	**Nearest Feature**
NC Conservation Reserve Enhancement Program Easements	0	0 ac	0
NCDOT Mitigation Site Polygons	0	0 ac	0
North Carolina Division of Mitigation Services Property Easements	0	0 ac	0
Physiography	**Feature Count**	**Total Coverage**	**Nearest Feature**
NCDOT ATLAS NC USDA Hydric Soils	2	13.9 ac	1542.7 ft
NC Gridded Soil Survey gSSURGO	14	47.6 ac	105.9 ft
NCDOT ATLAS NC NRCS Prime Farmland Soils	11	30.6 ac	105.9 ft
Threatened and Endangered	**Feature Count**	**Total Coverage**	**Nearest Feature**
Combined Bridge Inspections	4	N/A	N/A
NC Natural Heritage Element Occurrences	2	47.6 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 (line)	0	0 ft	0
USFWS ECOS Critical Habitat (polygon)	0	0 ac	0
Water Quality	**Feature Count**	**Total Coverage**	**Nearest Feature**
NC DEQ Coal Ash Structural Fills (CCB) (CLOSED)	0	0	0
NC DEQ High Quality Waters	0	0	0
NC DEQ Nutrient Sensitive Waters	0	0	0
NC DEQ Outstanding Resource Waters	0	0	0
NC Industrial Outfalls	0	0	0
NC Surface Water Quality Classification (CGIA)	0	0	0
NCDOT Stormwater Controls	0	0	0
US EPA Superfund Sites	0	0	0

Wetlands	Feature Count	Total Coverage	Nearest Feature
NC Division of Coastal Management Coastal Wetland Inventory	0	0	0
NCDOT ATLAS Estuarine Waters AEC	0	0	0
NCDOT ATLAS NC Coastal Estuarine Water Shorelines AEC	0	0	0
NCDOT ATLAS NC NRTR Preliminary Jurisdictional Open Waters	0	0	0
NCDOT ATLAS NC NRTR Preliminary Jurisdictional Streams	0	0	0
NCDOT ATLAS NC NRTR Preliminary Jurisdictional Wetlands	0	0	0

Report Metadata

Created by: enscott-cruz **Date/Time Executed:** 08/23/2022 1:23 PM

Application version: 1.17.0.0

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)
N/A: 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.

0: 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
NC Hospitals	https://services.nconemap.gov/secure/rest/services/NC1Map_Health/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC Multi Hazard Threat Database Nuclear Power Plants	https://www.ncmhtd.com/arcgis/rest/services/DHHS_OEMS/OEMS_facilities/MapServer/21	Error in Geoprocessor: Failed to fetch

NC Non-Public Schools	https://services.nconemap.gov/secure/rest/services/NC1Map_Education/FeatureServer/2	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS NC Child Care Facilities	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_NCChildCareFacilities/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS NC Places Of Worship	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_NCPlacesofWorship/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS NC Schools K-12	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_NCSchoolsK12/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS Places of Interest Lines	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_PlacesofInterestLines/MapServer/0	Error in Geoprocessor: Failed to fetch
NC Brownfields Locations	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/NCBP_Feature_Point_View/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Dry Cleaning Solvent Cleanup Act Sites	https://services2.arcgis.com/kCu40SDxsCGcuUWO/ArcGIS/rest/services/DryCleaning_Remediation_Program/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Active Permitted Landfills	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/ActivePermittedLandfills/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Manufactured Gas Plant	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/MGP/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Federal Remediation Branch Sites	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/Federal_Remediation_Branch/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Hazardous Waste Sites	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/HW_Sites/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Groundwater Sources	https://services2.arcgis.com/kCu40SDxsCGcuUWO/ArcGIS/rest/services/Groundwater_Sources_2017/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ Pre Regulatory Landfill Sites	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/Pre_Regulatory_Landfill_Sites/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC Paddle Trails Lines	https://services.nconemap.gov/secure/rest/services/NC1Map_Recreation/MapServer/1	Error in Geoprocessor: Failed to fetch
NCDOT Highway Maintenance Improvement Program (HMIP) 2019	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOT_HMIP_2019_2023/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS NC Normalized Land Use	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_NormalizedLandUseUF/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT Structures Railroad Bridge Structures	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOT_Structures/MapServer/3	Error in Geoprocessor: Failed to fetch
NC DEQ Underground Storage Tank Incidents	https://services2.arcgis.com/kCu40SDxsCGcuUWO/ArcGIS/rest/services/Underground_Storage_Tank_Incidents/FeatureServer/0	Error in Geoprocessor: Failed to fetch

NC Historic Preservation NR Points	https://services.arcgis.com/iFBq2AW9XO0jYYF7/ArcGIS/rest/services/NCHPO_GISdata_2022_05_31/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC Historic Preservation Office NR Boundaries	https://gis2.ncdcr.gov/dncrgis/rest/services/NCHPO_Public/NCHPO_Historic_Resources/MapServer/2	Error in Geoprocessor: Failed to fetch
Sanitary Sewer Systems Discharges	https://services.nconemap.gov/secure/rest/services/NC1Map_Sanitary_Sewer_1997/FeatureServer/2	Error returned from service: Token Required
Blue Ridge Forever Appalachian Trail Centerline	https://services1.arcgis.com/PwLrOgCfU0cYShcG/ArcGIS/rest/services/Appalachian_Trail_centerline/FeatureServer/0	Error in Geoprocessor: Failed to fetch
Albemarle Pamlico National Estuary Partnership Regional Trails	https://services.arcgis.com/iFBq2AW9XO0jYYF7/ArcGIS/rest/services/ap_sounds_regional_map2/FeatureServer/4	Error in Geoprocessor: Failed to fetch
NC Public Beach and Waterfront Access	https://services2.arcgis.com/kCu40SDxsCGcuUWO/ArcGIS/rest/services/DCM_Beach_and_Waterfront_Access/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC DEQ DCM Coastal Reserve Boundary	https://services2.arcgis.com/kCu40SDxsCGcuUWO/arcgis/rest/services/DCM_Coastal_Reserve_Boundary/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NC Jordan Lake Watershed Boundary	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOTApp_ESM/NCDOT_JordanLakeWatershed/MapServer/0	Error in Geoprocessor: Failed to fetch
NC Wild and Scenic Rivers (CGIA)	https://services.nconemap.gov/secure/rest/services/NC1Map_Hydrography/FeatureServer/0	Error in Geoprocessor: Failed to fetch
NCDOT ATLAS NC Small Surface Supply Watershed AEC	https://gis23.services.ncdot.gov/arcgis/rest/services/AtlasMapServicesStatic/NCDOT_SmallSurfaceSupplyWatershedAEC/MapServer/0	Error in Geoprocessor: Failed to fetch
US Army Corps of Engineers Federal Navigation channels	https://services2.arcgis.com/kCu40SDxsCGcuUWO/ArcGIS/rest/services/Federal_Navigation_Channel/FeatureServer/0	Error in Geoprocessor: Failed to fetch
USACE Channel Lines	https://services7.arcgis.com/n1YM8pTrFmm7L4hs/ArcGIS/rest/services/National_Channel_Framework/FeatureServer/0	Error in Geoprocessor: Failed to fetch
Sanitary Sewer Systems Land Application Areas	https://services.nconemap.gov/secure/rest/services/NC1Map_Sanitary_Sewer_1997/FeatureServer/3	Error returned from service: Token Required
Sanitary Sewer Systems Pumping Stations	https://services.nconemap.gov/secure/rest/services/NC1Map_Sanitary_Sewer_1997/FeatureServer/0	Error returned from service: Token Required
NCREDC Water Distribution Systems Water Pumping Stations 1997	https://services.nconemap.gov/secure/rest/services/NC1Map_Water_Distribution_1997/FeatureServer/2	Error returned from service: Token Required
NCDOT NC FEMA Stream Study	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOTApp_ESM/NCDOT_FEMAStreamStudyType/MapServer/0	Error in Geoprocessor: Failed to fetch
NCDOT Hosted NC DEQ 303d and 305b Streams	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOTApp_ESM/NCDOT_303dStreams/MapServer/0	Error in Geoprocessor: Failed to fetch
County	https://gis11.services.ncdot.gov/arcgis/rest/services/NCDOT_CountyShorelineBdy_Poly/MapServer/0	Error in Geoprocessor: Failed to fetch