



# NORTH CAROLINA

Department of Transportation



# Project ATLAS

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# NCDOT Project ATLAS



Advancing **T**ransportation through **L**inkages, **A**utomation, and **S**creening

- Goal is to streamline project development by utilizing GIS tools, applications, and data
- Adheres to Secretary's Priorities for **Improved Program Delivery**
- Accelerated project delivery has strong economic impact and enhances NC's economic competitiveness



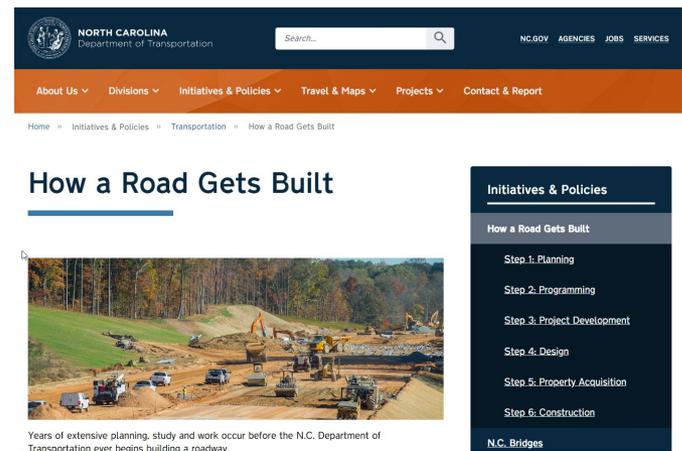
- Prioritization/Programming
- Scoping, Scheduling
- Project Development
- Procurements
- Right-of-Way
- Operations and Maintenance
- Revenue and Cash Model

# What really is Project ATLAS?

- A place to distribute data to everyone
- A place for consultants to submit deliverables and PMs to track progress
- A place for subject matter experts to provide project information
- Single location for project data – no more searching multiple places for the same documents

# Where does ATLAS fit into Project Delivery at NCDOT?

- Step 1: Planning
  - Comprehensive Transportation Planning (20-25 years)
- Step 2: Prioritization and Programming
  - State Transportation Improvement Program (10 years)
- **Step 3: Project Development and Env. Analysis**
  - Project is funded and proposed project is evaluated for environmental effects (NEPA/SEPA)
- Step 4: Design
- Step 5: Property Acquisition
- Step 6: Construction



The screenshot shows the NCDOT website header with the logo, search bar, and navigation menu. The main content area is titled 'How a Road Gets Built' and features a large image of a road construction site. Below the image is a caption: 'Years of extensive planning, study and work occur before the N.C. Department of Transportation ever begins building a roadway.' To the right of the main content is a sidebar menu titled 'Initiatives & Policies' with a sub-menu 'How a Road Gets Built' containing the following steps: Step 1: Planning, Step 2: Programming, Step 3: Project Development, Step 4: Design, Step 5: Property Acquisition, and Step 6: Construction. The sidebar also includes a link for 'N.C. Bridges'.

# ATLAS Disciplines



Wetlands & Streams



Protected Species



Sweeping



Historic Resources



Traffic



Community Studies



Bike & Ped



Right of Way



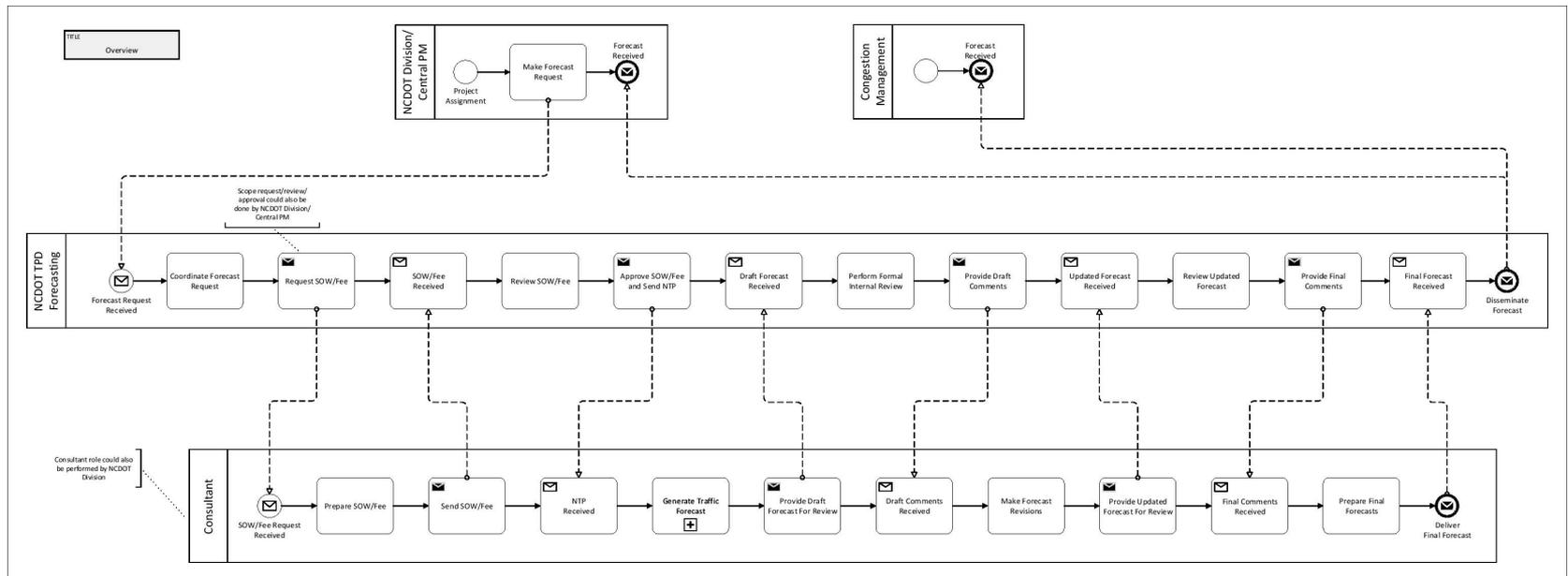
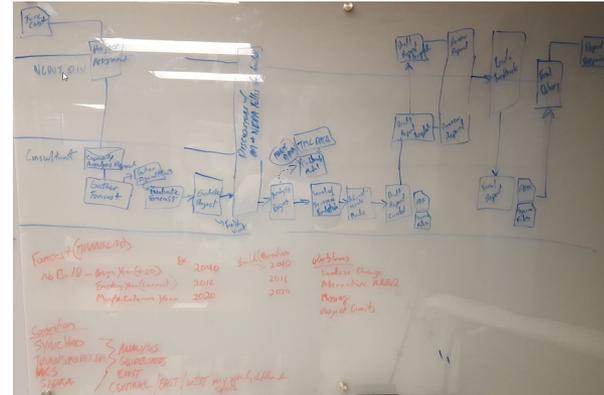
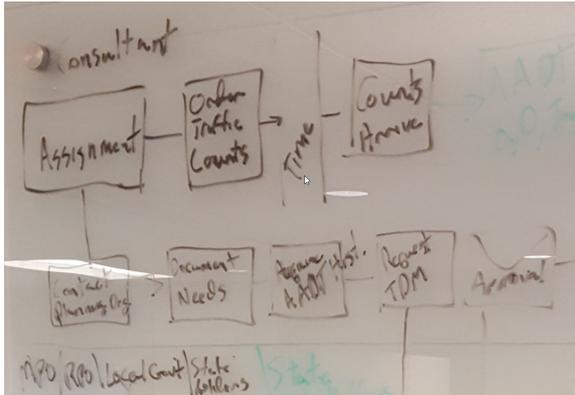
Utilities

**GIS**

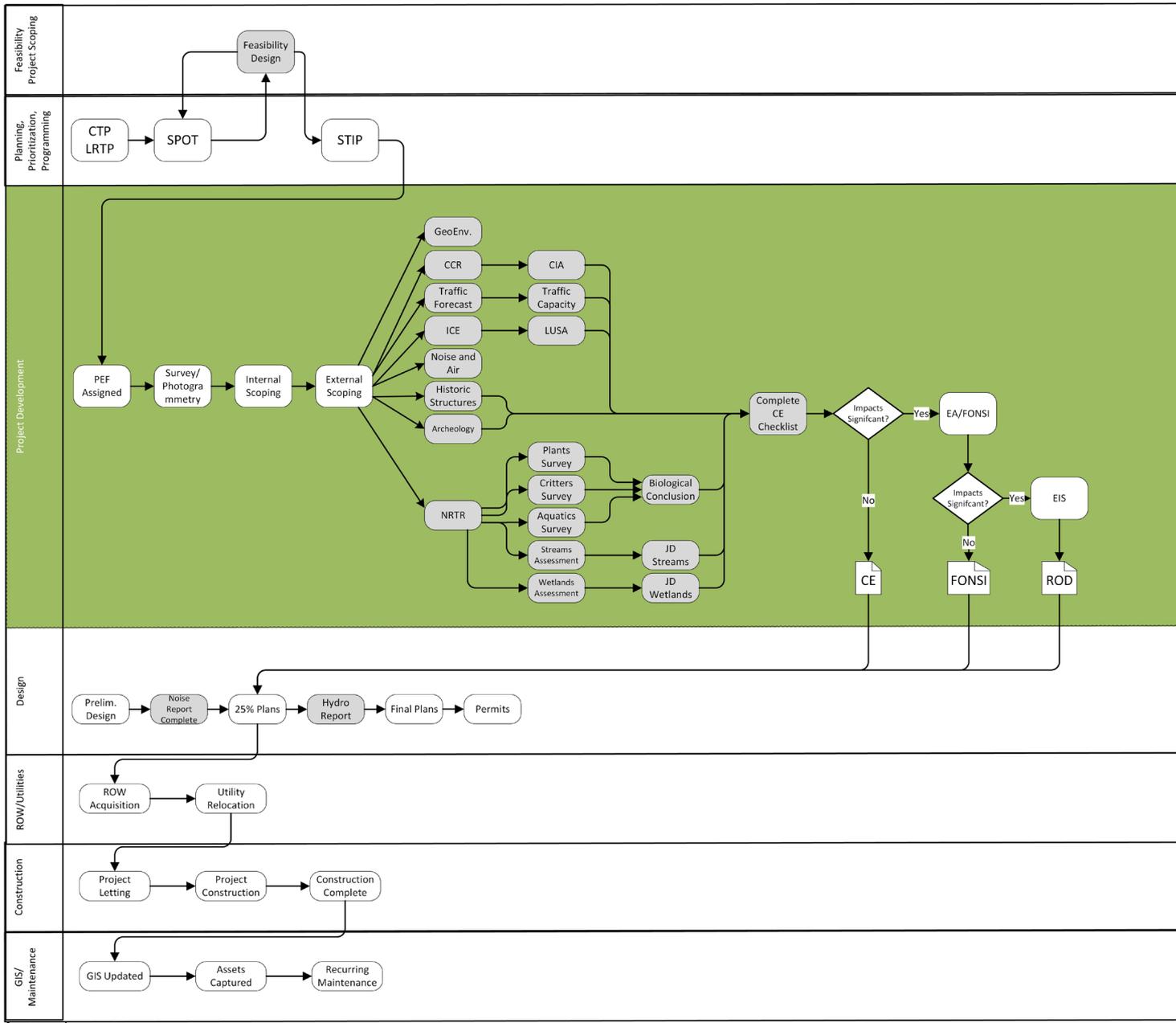
# How did ATLAS get started?



# Drawings to Diagrams



AS IS Flow



# GIS Specific Goals Developed

| #  | Business Goal   |
|----|---|
| 1. | Provide the transportation project community a <b>searchable gateway</b> to all spatial data used in project delivery at NCDOT.   |
| 2. | Create a tool that <b>screens</b> NCDOT projects against spatial project data for potential effects.  |
| 3. | Provide a platform for project managers to <b>view their project</b> , their project's <b>effects</b> , and other significant information related to managing that project. |
| 4. | Stand-up an <b>enterprise</b> GIS SDE for NCDOT project data.   |
| 5. | Create enterprise GIS data for <b>project delivery</b> .  |

# From Goals to Tools

## Search Tool

A gateway to search and retrieve verifiable, current and accurate project related data.

Addresses NCDOT's need to have consistent data available to Project Managers and Consultants.

## Screening Tool

A powerful web-based tool to evaluate potential impacts to NCDOT projects using GIS data and predictive modeling.

Allows Project Managers and NCDOT Consultants to understand and coordinate earlier about challenges projects will encounter.

## ATLAS Workbench

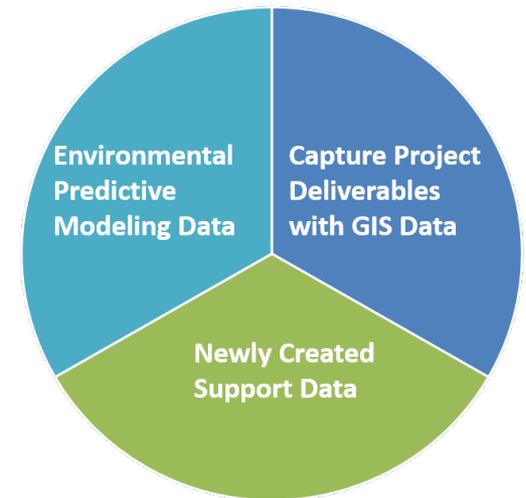
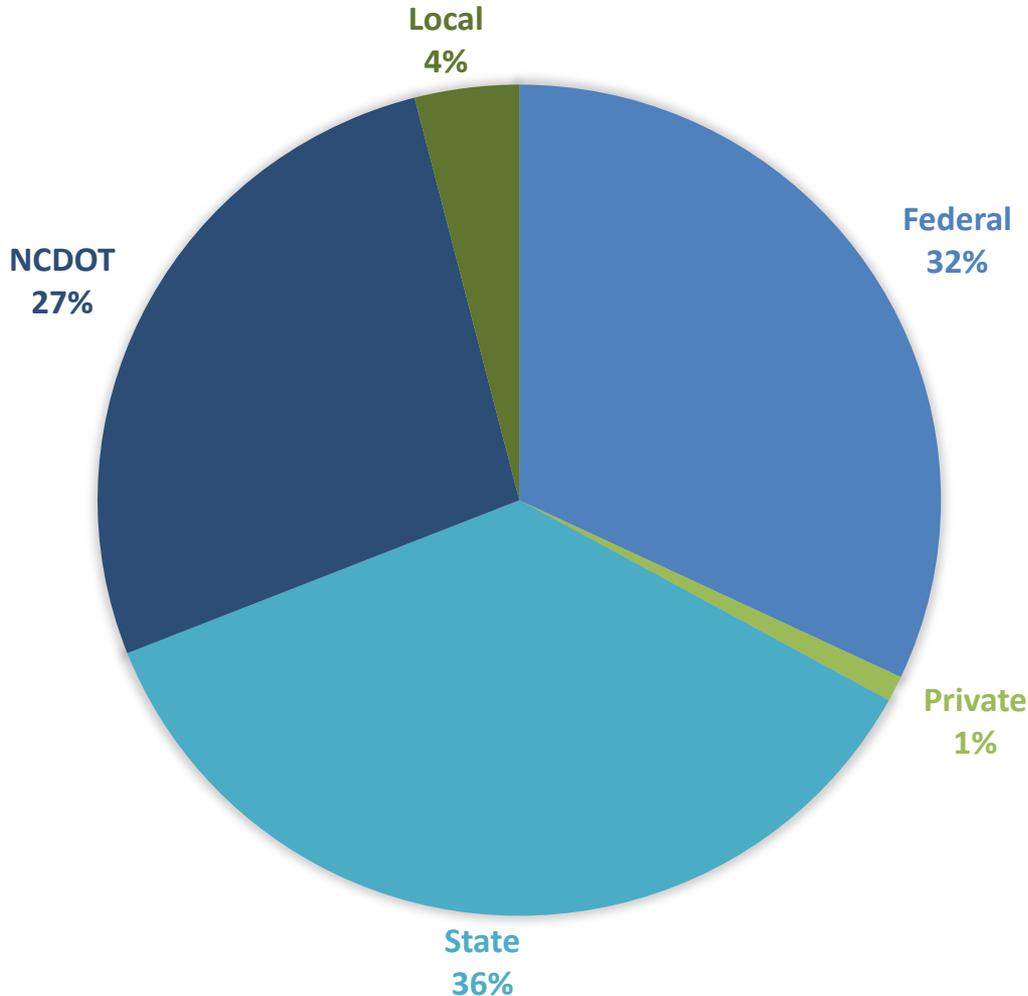
A unified toolset for Project Managers to assess and monitor their projects via the web.

Allows Project Managers and Consultants a common platform to access current project data, historic project data, current deliverable status, and visualize project progress.



Team is also supporting: Automation, Data Creation, and Post Deployment App Management Tool.

# ATLAS Data Sources



**130 New Data Layers**

# Search Tool

# Search Tool

Who?  
NCID Users

## Key Functionality

- Search for data by document type, DOT discipline, and keyword
- Download data package in GBD and DGN formats
- View data package on a map

The screenshot shows the ATLAS Search Tool interface. At the top left is the ATLAS Search Tool logo. The top right navigation bar includes links for "About", "Additional Resources", and "Help". The main heading is "Search". Below this, a search form titled "What Data Are You Searching For?" contains three input fields: "Search By Document" with a dropdown menu showing "--Select Document Type--", "Search By Organization" with a dropdown menu showing "--Select Organization(s)--", and "Search By Keyword" with a text input field. At the bottom right of the form are "Search" and "Clear" buttons.

# Results

237 Layers Found.

| Select                              | Layer Name   | Description   | Owner  |
|-------------------------------------|--|---|--|
| <input checked="" type="checkbox"/> | <a href="#">2012 Integrated Reporting Water Quality Assessments</a>  | This data set contains the detailed water quality assessment for the 3,381 waterbodies in North Carolina where assessment data or information were available. The data assessed were from over 5,000 monitoring stations with data and information mostly collected in calendar years 2006-2010. This data set includes parameters assessed and water quality rating.                       | NC Department of Environmental Quality, Division of Water Resources                    |
| <input checked="" type="checkbox"/> | <a href="#">303d and 305b Streams (ESM Layer)</a>                    | 303d and 305b Streams for ESM application hosted by NCDOT.  | NCDOT, GIS Engineering Transportation Systems, GIS Unit                                |
| <input type="checkbox"/>            | <a href="#">Albemarle - Pamlico National Estuary Partnership Map</a> | AP map is an interactive mapping application designed to provide geographic information about the Albemarle-Pamlico (A-P) watershed and APNEP.  | NC Department of Environmental Quality, Albemarle-Pamlico National Estuary Partnership |
| <input checked="" type="checkbox"/> | <a href="#">Alluvial Fans</a>  | Location and attributes of alluvial fan studies. Only the 1-percent-annual-chance flood is mapped for alluvial fans. The alluvial fan could be mapped as: Zone AO areas with depths and velocities; Zone AO areas with just depths; or Zone A, AE, or X. This information is needed for the Summary of Alluvial Fan Analyses and Results of Alluvial Fan Analyses tables in the FIS report. | Department of Homeland Security, Federal Emergency Management Agency                   |
| <input checked="" type="checkbox"/> | <a href="#">Anadromous Fish Spawning Areas</a>                       | NC DEQ maps here: <a href="http://portal.ncdenr.org/web/mf/afsa-maps">http://portal.ncdenr.org/web/mf/afsa-maps</a>   | NC Department of Environmental Quality, Division of Marine Fisheries                   |

Use checkboxes to select data sets you would like to Download or View on Map, then hit Download or View on Map button. You will then be prompted to define your geographic area of interest.

Download or View On Map



# NCDOT Project ATLAS

Advancing Transportation through Linkages, Automation, and Screening



ATLAS Search Tool

[About](#) [Additional Resources](#) [Help](#)

[Search Home](#) » [Area of Interest](#)

## Define Your Area of Interest

The next step is to define your geographic Area of Interest. You can do this by:

- Uploading a boundary of your project study area.**
- Select a pre-defined boundary.

### Upload Your Geometry

Upload

Verify

Download



View On Map

Layers Base Maps Measurement

### Layers

Flood Hazard Zones

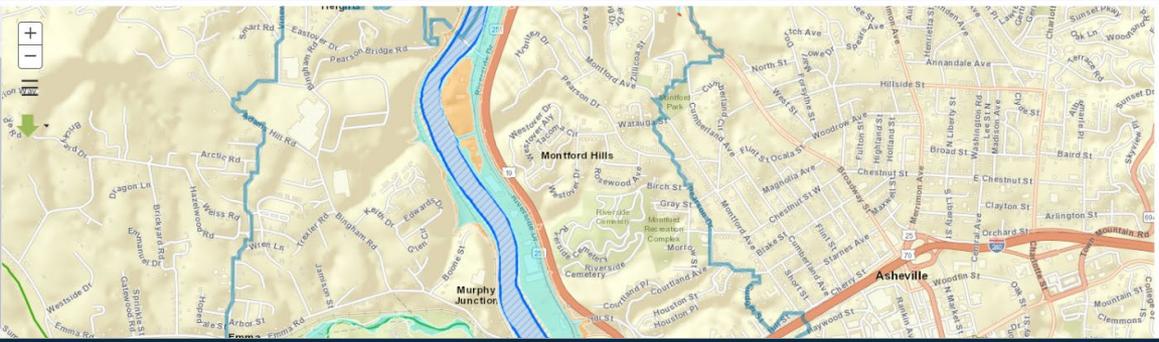
Legend Opacity

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk

Flood Hazard Boundaries

Legend Opacity

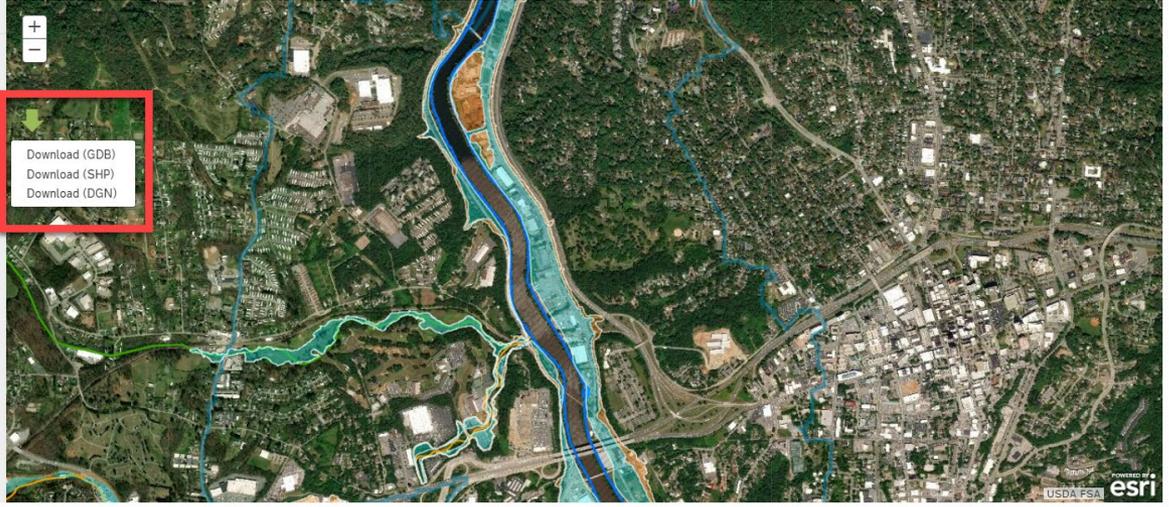
- Limit Lines
- SFHA / Flood Zone Boundary
- Other Boundaries



Layers Base Maps Measurement

### Base Maps

|   |   |  |  |
|---|---|--|--|
|  Imagery           |  Imagery with Labels |  Streets              |  Topographic          |
|  Dark Gray Canvas |  Light Gray Canvas  |  National Geographic |  Terrain with Labels |
|  Oceans          |  OpenStreetMap     |  USA Topo Maps      |  USGS National      |



# Screening Tool

# Screening Tool

Build your Study Area

- Project ID (STIP or SPOT ID)
- Upload a .zip file
- Build using map tools

Buffer your Study Area

- Required for point and line features

Select Data to Screen

- Choose from over 60 layers

Your Report

- View
- Download
- Share

# Screening Tool

Who?  
NCID Users  
known to DOT

## Key Functionality

- Screen against 60+ key data layers for area effects
- Screen STIP and SPOT projects, uploaded study area, or draw a study area
- Produce screening report
- Provide ability to download data sets
- View related data on a map

The screenshot shows the ATLAS Screening Tool interface. At the top, there is a dark blue header with the ATLAS logo and the text "ATLAS Screening Tool". Below the header is an orange navigation bar with links for "About", "Additional Resources", and "Help". The main content area has a white background with a dark blue horizontal line. Below the line, the text "Welcome to the Project Development Screening Tool" is displayed. Underneath, a list of four steps is provided: "1. Build Your Study Area", "2. Buffer Your Study Area (optional)", "3. Select Data to Screen", and "4. View, Download, and/or Share Your Screening Report". Below this list, the text "To begin: How would you like to build your Project Study Area?" is shown. Three numbered options are presented: "1 By Project ID" (highlighted in yellow), "2 Upload Study Area" (in a dark blue box), and "3 Draw Study Area" (in a dark blue box). Each option has a brief description below it: "1 Select if you know your STIP or SPOT ID for the project you are screening.", "2 Select if you have a study area boundary in .zip format.", and "3 Select if you would like to build your study area using draw tool."

ATLAS Screening Tool

About Additional Resources Help

## Welcome to the Project Development Screening Tool

In order to screen a project study area, you need to complete a few steps:

1. Build Your Study Area
2. Buffer Your Study Area (optional)
3. Select Data to Screen
4. View, Download, and/or Share Your Screening Report

To begin: How would you like to build your Project Study Area?

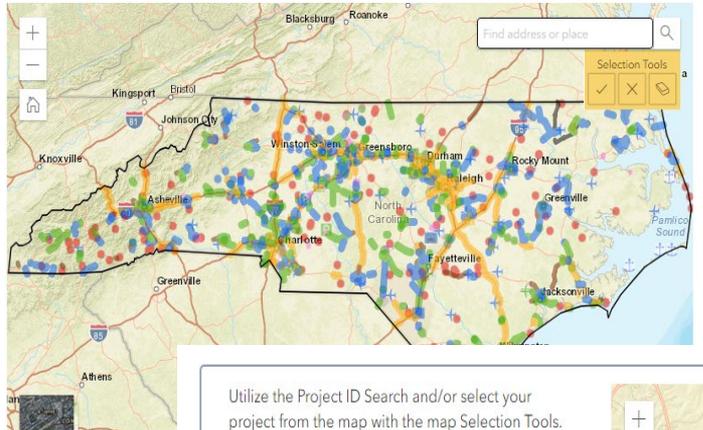
- 1** **By Project ID**  
Select if you know your STIP or SPOT ID for the project you are screening.
- 2** **Upload Study Area**  
Select if you have a study area boundary in .zip format.
- 3** **Draw Study Area**  
Select if you would like to build your study area using draw tool.

# Screen By Project ID

Utilize the Project ID Search and/or select your project from the map with the map Selection Tools. Only projects highlighted on the map will be included in your Study Area when you click Next.

Enter STIP or SPOT ID

Ex. STIP ID: I-0914, Ex. SPOT ID: H141398

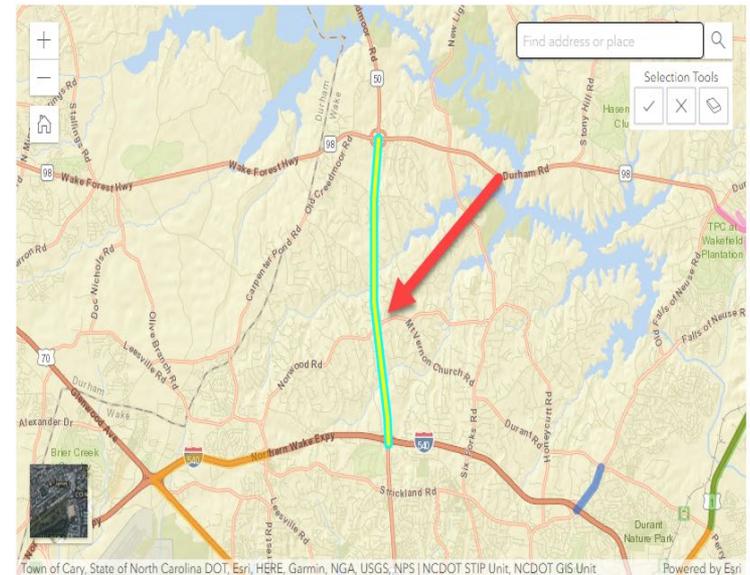


Utilize the Project ID Search and/or select your project from the map with the map Selection Tools. Only projects highlighted on the map will be included in your Study Area when you click Next.

Enter STIP or SPOT ID

Ex. STIP ID: I-0914, Ex. SPOT ID: H141398

U-5891



# Buffer the Study Area

Buffers are required to be:

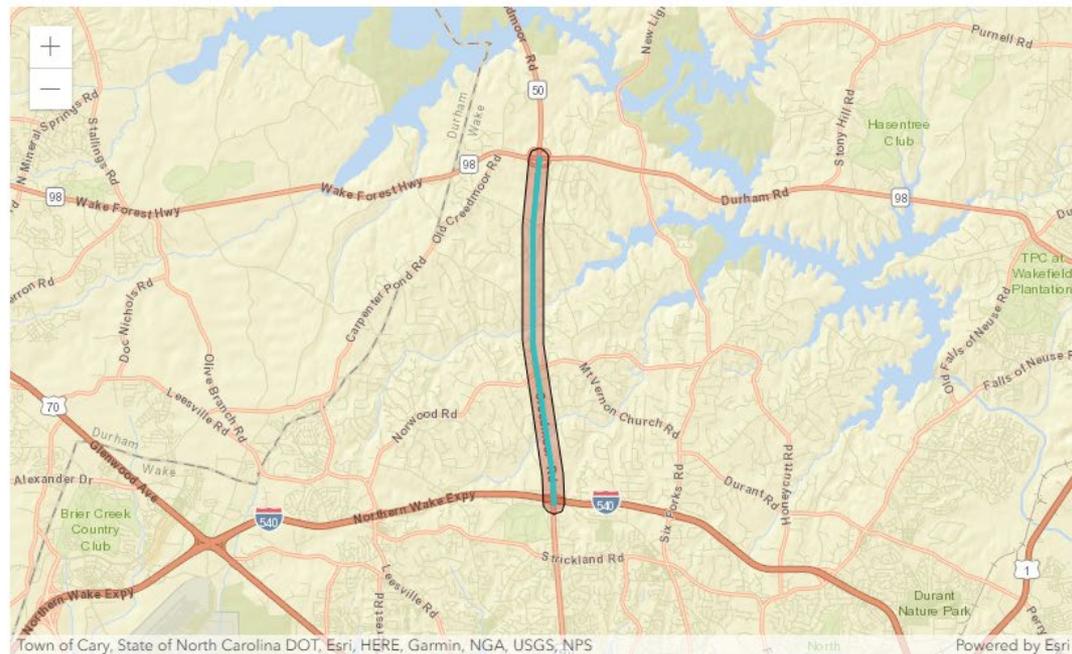
1. Applied for point and line features
2. No more than 2 miles

Buffers are optional for polygon features.

Distance

Unit

Buffer



Back

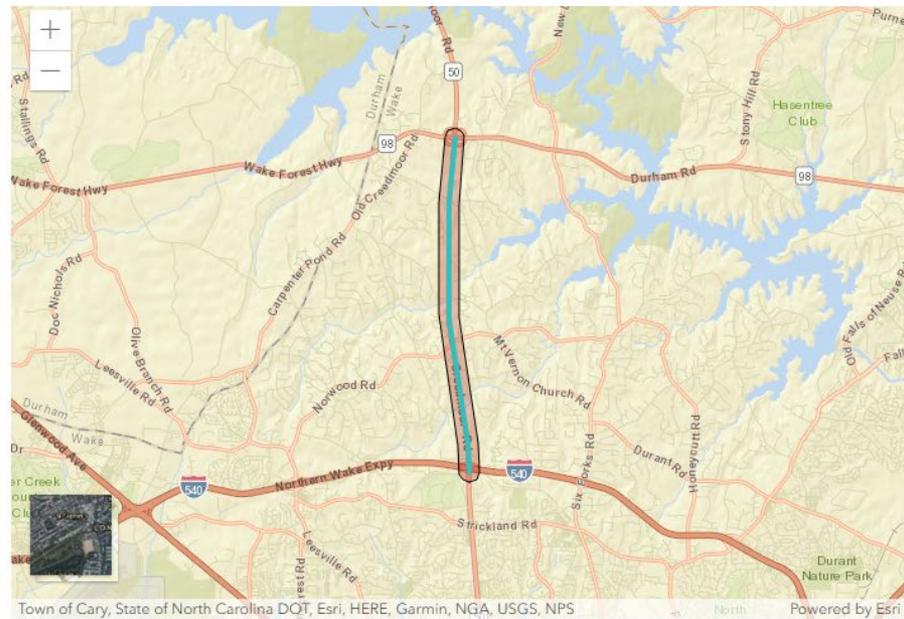
Next

# Select Screening Layers

Select the data sets against which you would like to screen your project. Use check boxes to add layers to your screening. Click the layer name to preview the layer on the map, view layer information, or set sub-report fields for specific layers.

[Layer Information](#)[Set Field](#)

- Human Environment
- Natural Environment
- Conservation Area
- Critical Areas (ESM Layer)
- National Conservation Easement Database
- National Wildlife Refuges (>3M)
- NC CAMA Counties (DCM List)
- NC DEQ DCM Coastal Reserve Boundary

[Back](#)[Next](#)

# Summary

information, or set sub-report fields for specific layers.

Layer Information

Search by layer name

- NC Geology
- NCDOT SSURGO Soils
- NRCS Hydric Soils
- NRCS Prime Farmland Soils
- US EPA Level III Ecoregions
- US EPA Level IV Ecoregions
- Threatened and Endangered
- Utilities

Back

Next

Set field for 'NCDOT SSURGO Soils'

- MUSYM
- MUKEY
- muname
- hydgrpdc

Clear Selection

Validate Field

Save

There are 8 distinct values for this field. Here is a sample:

- null
- A
- A/D
- B
- B/D

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# Results

Number of potential impacts: 14

Download Report Download GDB Download DGN Show Layer Information

- Submerged Aquatic Vegetation
- NOAA Essential Fish Habitat
- Hydrography
- NC DEQ Draft 303d Category 5 Assessments
- FEMA Stream Study Type (ESM Layer)
- DWR Trout Waters 2014 (ESM Layer)
- 303d and 305b Streams (ESM Layer)
- NC DEQ Outstanding Resource Waters in North Carolina
- NC DEQ Water Supply Watershed III
- NC DEQ High Quality Waters in North Carolina

Town of Cary, State of North Carolina, DOT, Esri, HERE, Garmin, NGA, USGS, NPS | NC, DENR/Office of Co... Powered by Esri

# Layer Information

Number of potential impacts: 14

Download Report Download GDB Download

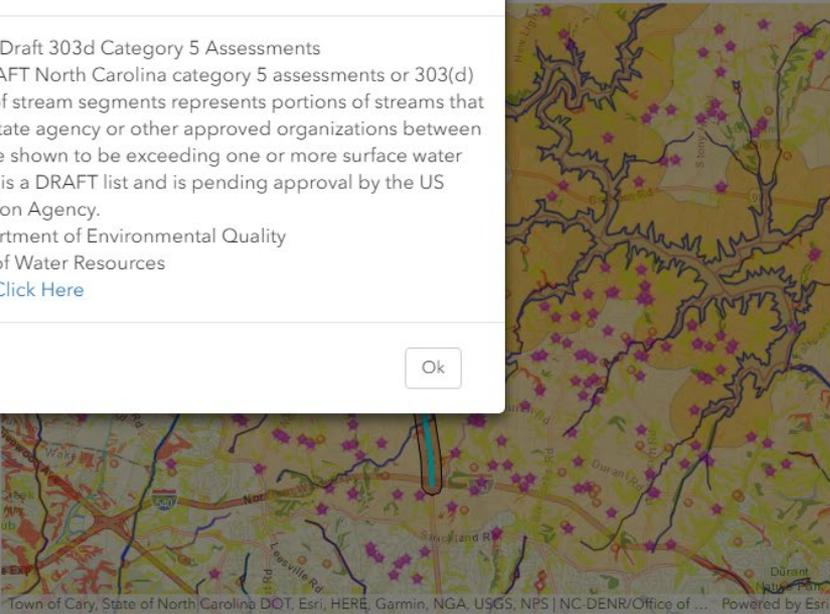
- Submerged Aquatic Vegetation
- NOAA Essential Fish Habitat
- Hydrography
- NC DEQ Draft 303d Category 5 Assessments
- FEMA Stream Study Type (ESM Layer)
- DWR Trout Waters 2014 (ESM Layer)
- 303d and 305b Streams (ESM Layer)
- NC DEQ Outstanding Resource Waters in North Carolina
- NC DEQ Water Supply Watershed III
- NC DEQ High Quality Waters in North Carolina

Back Home

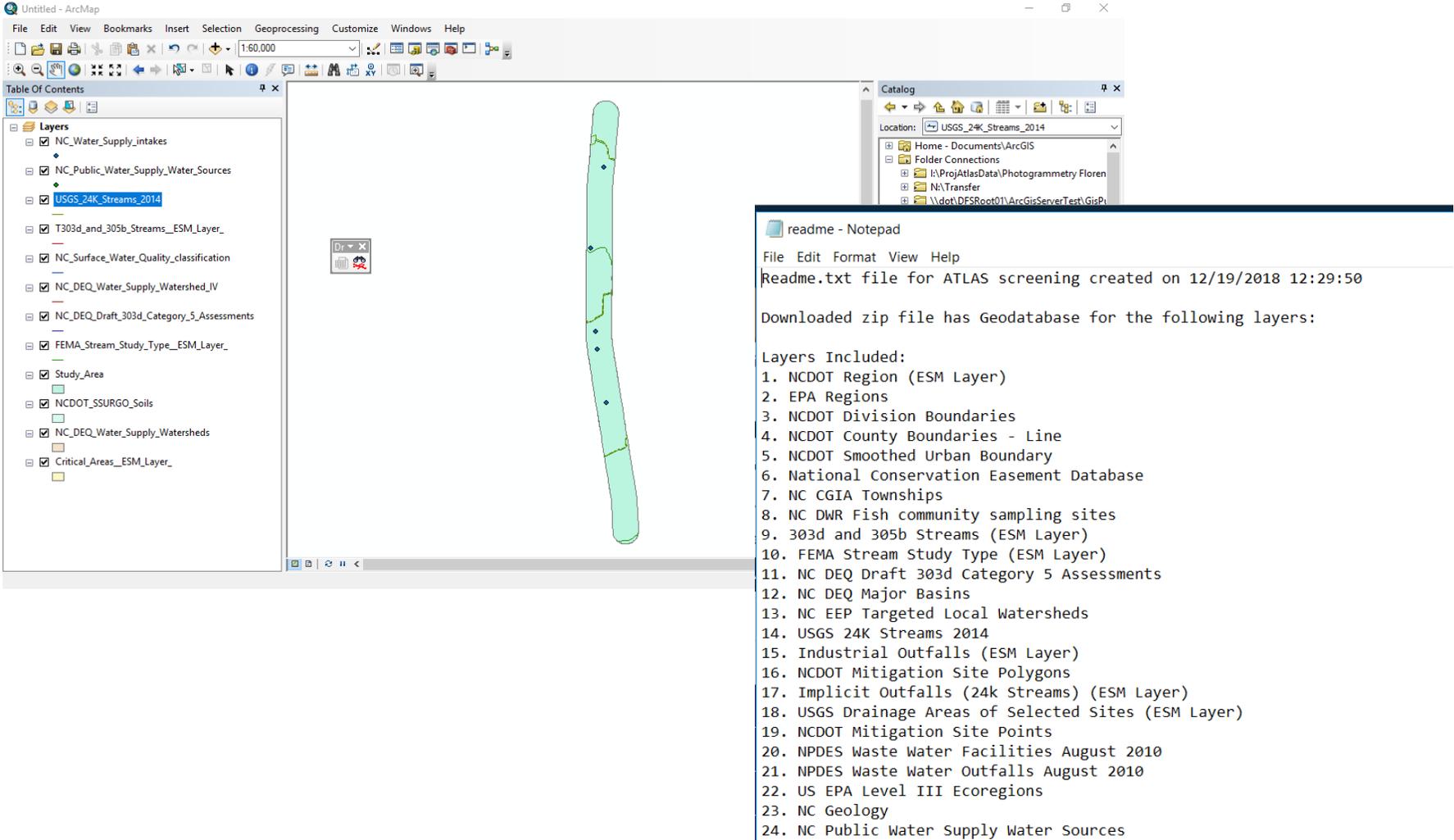
### Layer Information

**Layer Name:** NC DEQ Draft 303d Category 5 Assessments  
**Layer Description:** DRAFT North Carolina category 5 assessments or 303(d) assessments. This list of stream segments represents portions of streams that were monitored by a state agency or other approved organizations between 2010 and 2014 and are shown to be exceeding one or more surface water quality standards. This is a DRAFT list and is pending approval by the US Environmental Protection Agency.  
**Org Name1:** NC Department of Environmental Quality  
**Org Name2:** Division of Water Resources  
For more information [Click Here](#)

Ok



# Data Download



readme - Notepad

File Edit Format View Help

Readme.txt file for ATLAS screening created on 12/19/2018 12:29:50

Downloaded zip file has Geodatabase for the following layers:

Layers Included:

1. NCDOT Region (ESM Layer)
2. EPA Regions
3. NCDOT Division Boundaries
4. NCDOT County Boundaries - Line
5. NCDOT Smoothed Urban Boundary
6. National Conservation Easement Database
7. NC CGIA Townships
8. NC DWR Fish community sampling sites
9. 303d and 305b Streams (ESM Layer)
10. FEMA Stream Study Type (ESM Layer)
11. NC DEQ Draft 303d Category 5 Assessments
12. NC DEQ Major Basins
13. NC EEP Targeted Local Watersheds
14. USGS 24K Streams 2014
15. Industrial Outfalls (ESM Layer)
16. NCDOT Mitigation Site Polygons
17. Implicit Outfalls (24k Streams) (ESM Layer)
18. USGS Drainage Areas of Selected Sites (ESM Layer)
19. NCDOT Mitigation Site Points
20. NPDES Waste Water Facilities August 2010
21. NPDES Waste Water Outfalls August 2010
22. US EPA Level III Ecoregions
23. NC Geology
24. NC Public Water Supply Water Sources

# Screening Report

## Project Development Screening Report



Report Date: 04/08/2019

County: Lenoir

All Test

Division: 2

Test Description

EPA Level III Ecoregion:

Southeastern Plains

EPA Level IV Ecoregion:

Rolling Coastal Plain, Southeastern Floodplains and Low Terraces

HUC8: 03020202

CAMA: No

Riparian Buffer: N/A

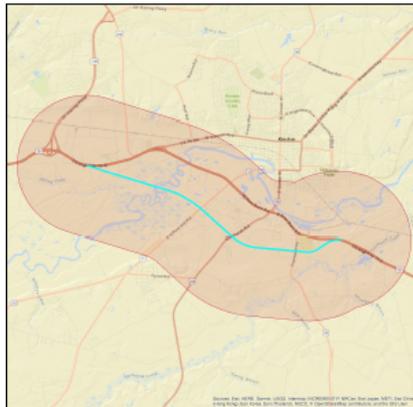
Study Area Size: 19046.3 Acres

Buffer Size: 10560 Feet

STIP/SPOT ID: R-2553C, H090128-B

STIP/SPOT Description:

R-2553C: KINSTON BYPASS, NC 148 (HARVEY PARKWAY) TO US 70 EAST OF NC 58.



|                                       |     |
|---------------------------------------|-----|
| Geo Environmental                     | Yes |
| Historic Architecture and Archaeology | Yes |
| Hydrography                           | Yes |
| Mitigation                            | Yes |
| Physiography                          | Yes |
| Public Property                       | Yes |
| Threatened and Endangered             | No  |
| Transportation                        | Yes |
| Utilities                             | Yes |
| Water Quality                         | Yes |
| Wetlands                              | Yes |

### Human Environment

| Community  | Feature Count | Total Coverage | Nearest Feature |
|--|---------------|----------------|-----------------|
| <a href="#">US HUD Public Housing Building</a>                       | 6             | N/A            | 16.3 ft         |
| <a href="#">US DHS HIFLD Manufactured Home Parks</a>                 | 4             | N/A            | 202.2 ft        |
| <a href="#">North Carolina Public Schools</a>                        | 3             | N/A            | 213.6 ft        |
| <a href="#">US DHS HIFLD Day Care Centers</a>                        | 3             | N/A            | 8.5 ft          |
| <a href="#">NC Colleges and Universities</a>                         | 1             | N/A            | N/A             |
| <a href="#">NC Multi Hazard Threat Database Community Colleges</a>   | 1             | N/A            | N/A             |
| <a href="#">NC DEQ DWR Animal Operation Permits</a>                  | 0             | N/A            | N/A             |
| <a href="#">NC Hospitals</a>   | 0             | N/A            | 0               |
| <a href="#">NC Multi Hazard Threat Database Nuclear Power Plants</a> | 0             | N/A            | 0               |
| <a href="#">NC Multi Hazard Threat Database State Prisons</a>        | 0             | N/A            | 0               |
| <a href="#">NC Non Public Schools</a>                                | 0             | N/A            | 41.4 ft         |
| <a href="#">NC Public Libraries</a>                                  | 0             | N/A            | 1221.8 ft       |
| Geo Environmental  | Feature Count | Total Coverage | Nearest Feature |
| <a href="#">NC DEQ Pre Regulatory Landfill Sites</a>                 | 3             | N/A            | 969.1 ft        |
| <a href="#">NC DEQ Manufactured Gas Plant</a>                        | 1             | N/A            | N/A             |
| <a href="#">NC Brownfield Agreement Locations</a>                    | 0             | N/A            | 444.8 ft        |
| <a href="#">NC DEQ Active Permitted Landfills</a>                    | 0             | N/A            | 0               |
| <a href="#">NC DEQ Charlotte Brownfield Agreement Boundaries</a>     | 0             | 0 ac           | 0               |
| <a href="#">NC DEQ Dry Cleaning Solvent Cleanup Act Sites</a>        | 0             | N/A            | 0               |
| <a href="#">Southern Env. Law Center Coal Ash Basins</a>             | 0             | 0 ac           | 0               |
| Historic Architecture and Archaeology                                | Feature Count | Total Coverage | Nearest Feature |
| <a href="#">NC Historic Preservation Office Surveyed Only Points</a> | 84            | N/A            | 20.3 ft         |
| <a href="#">NC Historic Preservation NR Points</a>                   | 6             | N/A            | 287.8 ft        |
| <a href="#">NC Historic Preservation Office NR DOE Site Points</a>   | 5             | N/A            | 17.8 ft         |

### Summary of Results

| Category          | Result |
|-------------------|--------|
| Community         | Yes    |
| Conservation Area | Yes    |
| Fish and Aquatics | Yes    |

# Workbench

# ATLAS Workbench

Who?  
PMs &  
Consultants  
Assigned to  
Project

- Key Functionality
  - Integration with SharePoint (Scoping and PreConstruction)
  - Ingestion of standard deliverable data (PDF and spatial data deliverables)
  - View your project within the context of surrounding projects and data for those projects
  - Flexible in conjunction with policy changes

# Launching Workbench - PreCon

Connect NCDOT  
BUSINESS PARTNER RESOURCES

Home Help Team Sites Site Map

Doing Business Bidding & Letting Projects Resources Local Governments

Search this site



## U-5834 ▶ U-5834

US 25 (Hendersonville Rd) to SR 3157 (Weston Rd). Upgrade existing roadway.  
Buncombe

H 4 Division 13 Preconstruction 4 U-5834

### Project Site

- ] [Preconstruction Home](#)
- ] [Grant Consulting Firm Access](#)
- ] [Lock/Unlock Plans or Provisions](#)
- ] [Key Documents](#)
- ] [Discipline Specific Links](#)
- ] [Preconstruction Help](#)
- ] [Project Commitments](#)
- ] [Project Contacts](#)
- ] [Email Project Contacts](#)
- ] [Project Structures](#)
- ] [Submittal Tracker](#)
- ] [Recently Modified](#)

### ▶ General

### ▶ Disciplines

### ▶ Collaboration

### ▶ LET Preparation

### ▶ ATLAS Tools

- [ATLAS Workbench](#)  
Use the Workbench to monitor project status, submit your final project documents, and upload spatial deliverables.
- [ATLAS Data Search Tool](#)  
Use the Data Search Tool to access GIS datasets from multiple sources in one single search interface.
- [ATLAS Screening Tool](#)  
Use the Screening Tool to analyze a project study area for natural and human environment impacts based on key GIS datasets.

### Precon Project Map



# ATLAS Workbench



ATLAS Workbench

Workbench

Map

About

Additional Resources

Help

Basic Project Info

PreCon Scoping

Public/Local Involvement

Merger

Survey &amp; Photogrammetry

Traffic

Community Characteristic Report (CCR)

Natural Resources

Indirect &amp; Cumulative Effects (ICE)

Air Quality

Traffic Noise Analysis

Cultural Resources

Geo-Environmental

Land Use Scenario Assessment (LUSA)

Community Impact Assessment (CIA)

CE Checklist

Project Conclusion

## Merger

Is Merger required?

 Yes  No

a. Merger Activities

\* Select lead agency

US Army Corps of Engineers (USACE)

\* Was merger screening meeting held?

 Yes  No

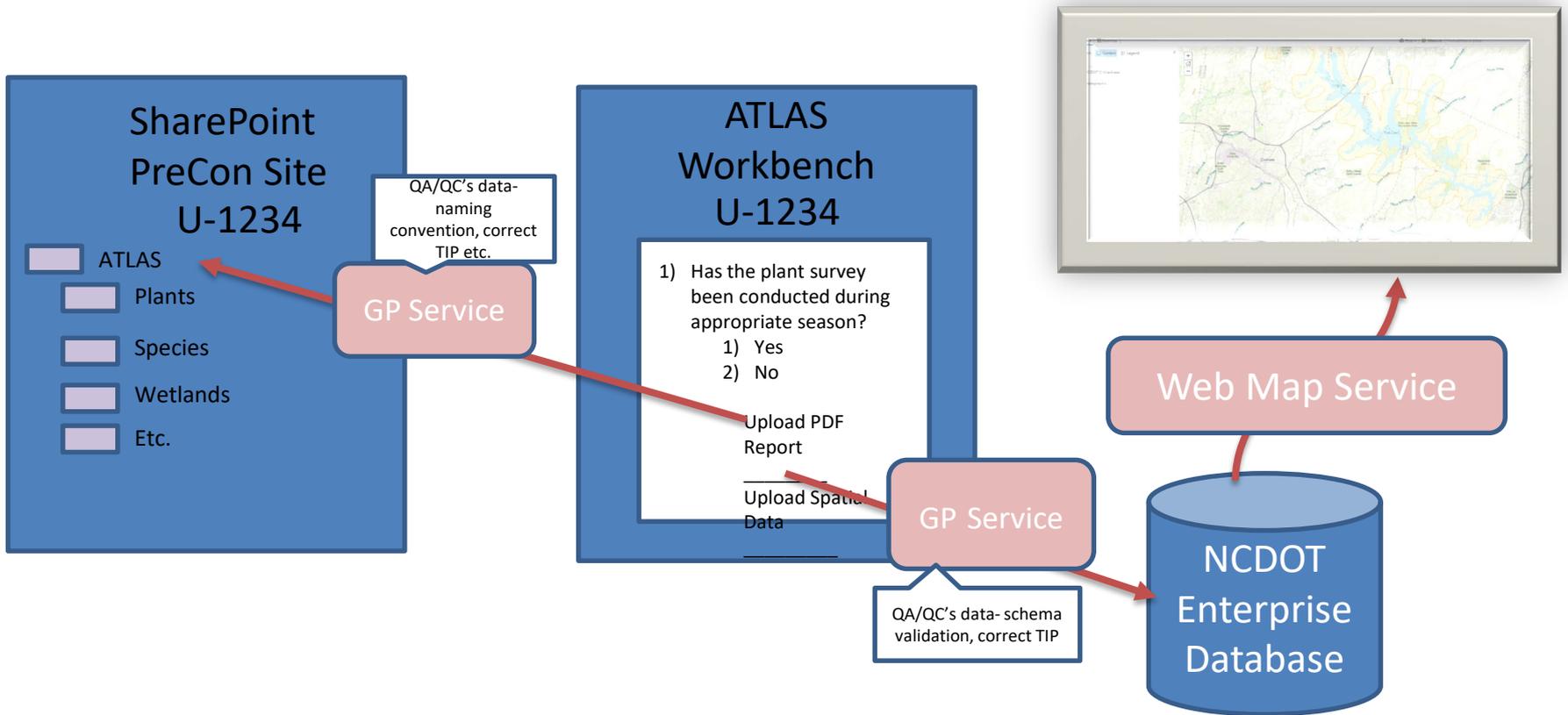
If yes, enter meeting date.

Upload Merger Screening Meeting Minutes (PDF)

What potential project impacts were identified?

# Data Flow



# Advanced Map Viewer

The screenshot displays the ATLAS Advanced Map Viewer interface. The top navigation bar includes the ATLAS logo and the text "ATLAS". Below this is a secondary navigation bar with "Map" and "Workbench" tabs, and "About", "Additional Resources", and "Help" links. The main interface is divided into three sections: "Layers", "Base Maps", and "Tools".

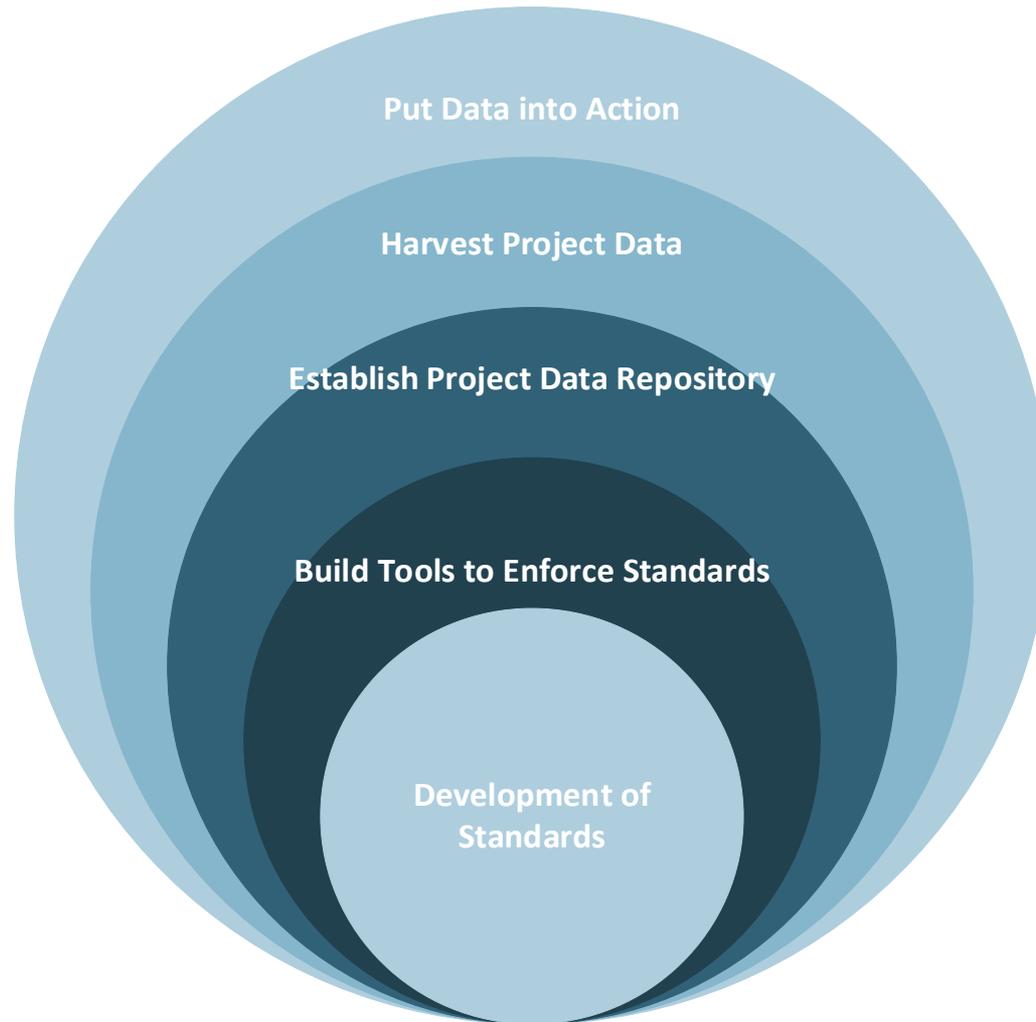
The "Layers" panel on the left is active and shows a list of layers with checkboxes and icons for legend and opacity. The layers are:

- WRC Trout Waters
  - Catch and Release/Artificial Flies Only Trout Waters
  - Catch and Release/Artificial Lures Only Trout Waters
  - Delayed Harvest Trout Waters
  - Hatchery Supported Trout Waters
  - Special Regulation Trout Waters
  - Wild Trout Waters
  - Wild Trout/Natural Bait Waters
- Boating Access Areas
- North Carolina State Parks

The main map area shows a topographic map of a region in North Carolina, including towns like Greenville, Erwin, Unicoi, and Asheville. The map is overlaid with various colored lines representing trout waters. A popup window titled "Attributes" is open over a specific feature, displaying the following data:

```
OBJECTID = 279
Excel_ID = 239
Disp_Name = Big Laurel Creek
MHTW_Reach =
FID_1 = 0
EXCEL_ID_1 = 239
FREQUENCY = 67
FIRST_WRC_ = Hatchery Supported Trout Waters
FIRST_REG_ = Mars Hill watershed boundary to the S.R. 1318 [Big Laurel Road] bridge downstream of Bearpen Branch
FIRST_REG1 = Big Laurel Creek
FID_12 = 0
MHTW_REA_1 =
FREQUENC_1 = 18215
Zoom to
```

# Workbench – Snowball Effect



# Application Management Tool

# Application Management Tool

The screenshot displays the ATLAS Application Management Portal interface. The main navigation menu includes: Manage ATLAS Search Tool, Manage ATLAS Screening Tool, Manage ATLAS Workbench, Manage ATLAS Disclaimer, Manage ATLAS About, Manage ATLAS Additional Resources, and Manage ATLAS Help.

The main content area shows a list of layers with their linked documents and categories:

| Layer Name  | Linked Documents           | Linked Categories     |
|---|----------------------------|-----------------------|
| 2012 Integrated Reporting Water Quality Assessments | NRTR , FeasibilityDesign - | Natural Environment - |
| 2015RareRoadsidePopulations_pt_nodupL.shp           | None selected -            | None -                |
| 2016 Traffic Segments Primary                       |                            |                       |
| 2016 Traffic Segments Secondary                     |                            |                       |
| 303d and 305b Streams (ESM Layer)                   |                            |                       |
| 911 Response with Transport Capability              |                            |                       |
| 911 Response without Transport Capability           |                            |                       |
| Air Medical/Specialty Care Transport                |                            |                       |

The interface also features a 'Decision Tree Administration' section with options to 'Categories', 'Groups', and 'Controls'. A 'Configure Controls for Natural Resources' panel is visible, showing a table of controls:

| Order | Title   | Control Type    | Control Options        |
|-------|---|-----------------|------------------------|
| 1     | Was Jurisdictional Area Delineation completed?  | Yes No          | Edit, Delete, Up, Down |
| 2     | Were T&E surveys completed?   | Yes No          | Edit, Delete, Up, Down |
| 3     | What effect will the project have on Threatened and Endangered Species or their critical habitat? | Dropdown        | Edit, Delete, Up, Down |
| 4     | Select species that are potentially impacted:   | Multiple Select | Edit, Delete, Up, Down |
| 5     | Are there any species for which biological conclusions are unresolved?                            | Yes No          | Edit, Delete, Up, Down |
| 6     | If so, which and why?   | Text            | Edit, Delete, Up, Down |
| 7     | Has the USFWS requested a Biological Assessment during Section 7 consultation?                    | Yes No          | Edit, Delete, Up, Down |

## Key Functionality

- Add/remove layers
- Manage deliverables types
- Manage workbench questions
- Update About, Application Disclaimers, Additional Resources, and Help

# Next Steps

- In-person training is coming
- Rollout – TBD
- Recordings of February Webinars are available at NCDOT Connect
- ATLAS is dynamic based on your feedback!

# Questions?

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