



NORTH CAROLINA

Department of Transportation

NCDOT ATLAS TRAINING

ATLAS External Workbench

Agency Requirements Workshop

November 10, 2021

Welcome

- Introductions
- Discussion goal
- Please join the discussion!
 - Speak up
 - Add a comment to the chat
 - Use the “raise hand” feature in Teams
- Log onto Workbench – see tip sheet

ATLAS Workbench Log-On Tips

See tip sheet

- Go to the NCDOT Connect Site
- Select a project in Preconstruction
- Click on ATLAS Workbench

Preconstruction Project Page *Example*

Connect NCDOT Home

Bringing Business and Government together with online collaboration.



Browse All Sections

Doing Business

How to work with the North Carolina Department of Transportation.



Bidding & Letting

Bidding and letting information for Central, Division, Design/Build and Bridge & Culvert Lets.



Projects

For businesses working on NCDOT Projects and Contracts.



Resources

Data and documents needed to work with the NCDOT.



Local Governments

Municipalities, local government agencies and other non-business groups working with NCDOT.



More Site Content

Manuals

Important guides and handbooks from NCDOT.



Maps

County, statewide and project-specific maps.



Training

Certifications, course descriptions and online classes.



Groups & Committees

Private and public organizations working with NCDOT.



Events

Upcoming meetings, conferences, and gatherings.



Contenido en Espanol

Contenido para nuestros socios de habla hispana.



Your Team Sites



Go directly to [Construction](#) | [Preconstruction](#) sites.

[Connect NCDOT](#)



[Projects](#)



Support & Help

New User?

Read this brief section to get started.



Signing In

Trouble signing in? Get quick solutions to common issues.



Your Account

Find answers to questions about managing your account.



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Connect NCDOT



Projects



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Connect NCDOT
BUSINESS PARTNER RESOURCES

Doing Business

Bidding & Letting

Projects

Resources

Local Governments

Preconstruction ▶ **Preconstruction Projects Home**

Preconstruction information for NCDOT Highway and Bridge projects. Send any problems or concerns to preconstructionhelp@ncdot.gov. Send ProjectWise issues to dot.pwsupport@ncdot.gov.

🏠 ▶ Preconstruction

Home

My Precon

- Precon Dashboard
- My Precon Projects
- My Submittal Reviews

Tools

- ATLAS Data Search Tool
- ATLAS Data Screening Tool
- Letting Admin Dashboard
- Manage Project Contacts
- Preconstruction Search
- Usage Assessment

Resources

- Bridge Plans and Reports
- Discipline Specific Links
- Division Specific Guidance
- ORD Working Documents & Action Items
- Signal Plans

Find a Site

Division 01

15401.1048012 Southdock Emergency

Division 02

15801.1027014 Currituck Bridge 7

Division 03

15BPR.11 Camden 43 and 44

Division 04

15BPR.23

Division 05

15BPR.41 Dare No.9

Division 06

15BPR.46

Division 07

15BPR.60

Division 08

15BPR.7 Currituck No 15

Division 09

15BPR.8 Bertie 38

16.71080

16901.1048010 Ocracoke Sandbags

17BP.1.R.63 Hyde 36

17BP.1.R.76 Gates 20

[Preconstruction Home](#)[Precon Dashboard](#)[Project Site](#)

- [Change Report](#)
- [Recently Modified](#)
- [Key Documents](#)
- [Project Contacts](#)
- [Email Project Contacts](#)
- [Project Info R-5808](#)
- [Project Structures](#)

[Project Management](#)

- [Project Schedule](#)

[Precon Tools](#)

- [Pay Items & Quantities](#)
- [Project Commitments](#)
- [Submittal Tracker](#)

[Processing Requests](#)

- [Grant Consulting Firm Access](#)
- [Grant Municipality Access](#)
- [Lock/Unlock Projects](#)
- [Unlock Pay Items](#)

[Reference](#)

- [Preconstruction Help](#)
- [Discipline Specific Links](#)

[ATLAS Tools](#)

- [ATLAS Workbench](#)
- [ATLAS Data Search Tool](#)
- [ATLAS Screening Tool](#)

NOTICE: All libraries will be locked approximately 7 weeks prior to letting to ensure there are no changes during plan checking and finalization. Please make sure everything is uploaded and marked before locking. This includes final sealed plans, final sealed special provisions, labeling key documents, etc.

For any changes or additions needed after this date, please contact the Contract Office for central let projects finalplans@ncdot.gov, or the Division PM for division let projects.

[General](#)[Disciplines](#)[Collaboration](#)[LET Preparation](#)[Post LET](#)[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.

Consulting Firm Access Summary

Role	Firm Name
Prime	Kimley-Horn & Associates Inc
Reviewer	Stantec Consulting Services Inc
Reviewer	Alfred Benesh & Co
Roadway Design	Catlin Engineers and Scientists
Geotechnical	Catlin Engineers and Scientists

Precon Project Map



[Preconstruction Home](#)[Precon Dashboard](#)[Project Site](#)

- [Change Report](#)
- [Recently Modified](#)
- [Key Documents](#)
- [Project Contacts](#)
- [Email Project Contacts](#)
- [Project Info R-5808](#)
- [Project Structures](#)

[Project Management](#)

- [Project Schedule](#)

[Precon Tools](#)

- [Pay Items & Quantities](#)
- [Project Commitments](#)
- [Submittal Tracker](#)

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Precon Project Map



Topics To Be Covered

- Connect/SharePoint refresher
- ATLAS and Connect/SharePoint
- Navigating the Workbench
- Finding geographic data
- Potential Workbench modifications
- Next steps for ATLAS

Connect/SharePoint Refresher

Preconstruction Home

Precon Dashboard

Project Site

- Change Report
- Recently Modified
- Key Documents
- Project Contacts
- Email Project Contacts
- Project Info R-5930

Project Management

Precon Tools

- Pay Items & Quantities
- Project Commitments

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▸ General

▸ Disciplines

▸ Collaboration

- External Collaboration (0)

▸ LET Preparation

▸ Post LET

▸ ATLAS Tools

ATLAS and Connect/SharePoint

- ATLAS files are also available on the Connect External Collaboration page
- Files in ATLAS are organized by discipline
- ATLAS only includes the most recent version
- Spatial files are available in ATLAS

ATLAS and Connect/SharePoint

- ATLAS includes answers to qualitative data

Example of qualitative data

ICE/ICI - R-5930 Chatham Park Way



- 1. Federal Nexus

* Does the project require a federal nexus (federal funding, individual 404 per

Yes

- 2. Traffic

* Is a Traffic Influencing Construction Activity (TICA) assessment necessary? (

No

- 3. ICE

* Is an Indirect and Cumulative Effects (ICE) screening report necessary?

Yes

ATLAS and Connect/SharePoint

ATLAS

Concurrence Point 1

Upload Concurrence Point 1 Packet (last saved:brianpownall 9/29/2021 4:44:22 PM)

[R-5808_CP1MergerMeetingPacket.pdf .pdf](#)

Upload Concurrence Point 1 - Meeting Summary (last saved:brianpownall 9/29/2021 4:43:05 PM)

[R-5808_CP1_MergerMeetingSummary.pdf](#)

Upload signed Concurrence Point 1 concurrence form (last saved:brianpownall 9/29/2021 4:44:28 PM)

[R-5808_CP1_ConcurrenceForm.pdf](#)

Enter date of concurrence (last saved:brianpownall 9/29/2021 4:44:29 PM)

02/25/2019

Upload Merger Study Area

Concurrence Point 2

Upload Concurrence Point 2 Packet (last saved:brianpownall 9/29/2021 4:43:55 PM)

[R-5808_CP2_MergerMeetingPacket.pdf](#)

Upload Concurrence Point 2 - Meeting Summary (last saved:brianpownall 9/29/2021 4:44:36 PM)

[R-5808_CP2_MergerMeetingSummary.pdf](#)

Upload signed Concurrence Point 2 concurrence form (last saved:brianpownall 9/29/2021 4:44:02 PM)










[R-5808_CP2_ConcurrenceForm.pdf](#)

Enter date of concurrence (last saved:brianpownall 9/29/2021 4:43:06 PM)

5/13/2019

Connect

EXT Topic: Merger Documents (16)

	R-5808 CP 1 and 2 Meeting Minutes	...	April 5, 2019
	R-5808 CP 1 and 2 Packet	...	April 5, 2019
	R-5808 CP 2 and 2A Meeting Minutes	...	May 13, 2019
	R-5808 CP 2 and 2A Packet	...	April 5, 2019
	R-5808 CP 3 and 4A Packet	...	August 23, 2019
	R-5808_CP1_ConcurrenceForm	...	September 29
	R-5808_CP1MergerMeetingPacket.pdf	...	September 29
	R-5808_CP2_ConcurrenceForm	...	September 29
	R-5808_CP2_MergerMeetingPacket	...	September 29



ATLAS Project Page *Example*

Navigating the Workbench

Basic Project Info
Project Scoping
Merger Pre Screening
Merger
Public Involvement
LGA Coordination
Survey & Photogrammetry
Community Characteristics Report (CCR)
Traffic Management
Traffic Safety
Natural Resources
Threatened & Endangered Species
Air Quality
Noise Analysis
Historical Architecture
Archaeology
Geo-Environmental
Permitting
Community Impact Assessment (CIA)
Hydraulics
ICE/ICI
Utilities
Right of Way
Bicycle, Pedestrian, & Transit
Value Management
Project Management
Final Environmental Documentation

Basic Project Info - R-5808

Project Name	R-5808
Project Description	US 158 from SR 1002 to Pasquotank CL - Modernize Roadway
County	Gates
Division	01
TIP ID	R-5808
Prime Firm Name	Kimley-Horn & Associates Inc
Project Commitments Status	None
Funding Source	1
Is there a lead federal agency?	Yes
Agency Name	FHWA
Document Type	2

Navigating the Workbench

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Final Environmental Documentation



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Navigating the Workbench

Natural Resources - R-5808



- 1. Water Resources Mapping

Upload WEX file (DGN)

Upload WET file (DGN) (last saved: *brianpownall* 9/29/2021 5:07:09 PM)

[R-5808_WET.dgn](#)

Upload Potential Jurisdictional Wetlands GIS (SHP)

Upload Potential Jurisdictional Streams GIS (SHP)

Upload Potential Surface Waters GIS (SHP)

* Upload Preliminary Jurisdictional Determination Package (PDF)

- 2. NRTR

* Upload Natural Resource Report (NRTR) (last saved: *brianpownall* 9/29/2021 5:07:02 PM)

Is an NRTR addendum needed? (last saved: *brianpownall* 9/29/2021 5:06:43 PM)

No

If yes, upload NRTR Addendum (PDF)

- 3. NRTR Summary

* Is the project located in anadromous fish spawning waters? ^{CE} (last saved: *brianpownall* 9/29/2021 5:07:03 PM)

No

* Does the project impact waters classified as Outstanding Resource Water (ORW), High Quality Water (HQW), Water Supply Watershed Critical Areas, 303(d) listed impaired water bodies, buffer rules, or Submerged Aquatic Vegetation (SAV)? ^{CE} (last saved: *brianpownall* 9/29/2021 5:06:44 PM)

No

* Does the project impact waters of the United States in any of the designated mountain trout streams? ^{CE} (last saved: *brianpownall* 9/29/2021 5:07:10 PM)

No

* Does the project involve construction activities in, across, or adjacent to a designated Wild and Scenic River present within the project area? ^{CE} (last saved: *brianpownall* 9/29/2021 5:07:10 PM)

Navigating the Workbench

Natural Resources - R-5808

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Natural Resources - R-5808

- ▼
- + 1. Water Resources Mapping
- + 2. NRTR
- + 3. NRTR Summary
- * = Required Response
- ^{CE} = Related to Preliminary CE Checklist Question

Navigating the Workbench

- 3. Concurrence Points

Note: If a combined meeting was held, upload the documents under both concurrence points. If multiple meetings were held for the same concurrence point, combine documents into a single PDF and upload.

If you combined Concurrence Points, please list which were combined (last saved:brianpownall 9/29/2021 4:43:05 PM)

2 and 2A, 3 and 4A

Concurrence Point 1

Upload Concurrence Point 1 Packet (last saved:brianpownall 11/8/2021 5:51:40 AM)

[R-5808_CP1MergerMeetingPacket.pdf .pdf](#)

Upload Concurrence Point 1 - Meeting Summary (last saved:brianpownall 11/8/2021 5:51:40 AM)

[R-5808_CP1_MergerMeetingSummary.pdf](#)

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[R-5808_CP1_ConcurrenceForm.pdf](#)

Enter date of concurrence (last saved:brianpownall 9/29/2021 4:44:29 PM)

02/25/2019

Example of available file

Navigating the Workbench

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02/25/2019

Example of qualitative data

Finding Geographic Data

Example of What Is Uploaded

 ATLAS Workbench



Basic Project Info	
Project Scoping	✓
Merger Pre Screening	✓
Merger	✓
Public Involvement	✓
LGA Coordination	✓
Survey & Photogrammetry	✓
Community Characteristics Report (CCR)	✓
Traffic Management	✓
Traffic Safety	✓
Natural Resources	✓
Threatened & Endangered Species	✓
Air Quality	✓
Noise Analysis	✓
Historical Architecture	✓
Archaeology	✓
Geo-Environmental	✓
Permitting	✓
Community Impact Assessment (CIA)	✓
Hydraulics	✓

Natural Resources - R-2553

Is this section required? ☒ Yes ☐ No

1. Water Resources Mapping

Upload WEX file (DGN) (last saved:ssmith_axiom 11/5/2021 11:13:15 PM)

R-2553_WEX.dgn

Upload WET file (DGN)

R-2553_WET.dgn

Upload Potential Jurisdictional Wetlands GIS (SHP) (last saved:akeith_axiom 11/5/2021 11:13:14 PM)

R-2553_PotJurisWetlandsWEX.zip

Upload Potential Jurisdictional Streams GIS (SHP) (last saved:ssmith_axiom 11/5/2021 11:13:14 PM)

R-2553_PotJurisStreamsWEX.zip

Upload Potential Surface Waters GIS (SHP) (last saved:akeith_axiom 11/5/2021 11:13:14 PM)


R-2553_PotSurfaceWatersWEX.zip


* Upload Preliminary Jurisdictional Determination Package (PDF) (last saved:ssmith_axiom 11/5/2021 11:13:14 PM)

R-2553_PJDPackage.pdf

Finding Geographic Data

Search Tool – to view and download GIS layers for a project

 ATLAS Workbench



Basic Project Info	
Project Scoping	✓
Merger Pre Screening	✓
Merger	✓
Public Involvement	✓
LGA Coordination	✓
Survey & Photogrammetry	✓
Community Characteristics Report (CCR)	✓
Traffic Management	✓
Traffic Safety	✓
Natural Resources	✓
Threatened & Endangered Species	✓
Air Quality	✓
Noise Analysis	✓
Historical Architecture	✓
Archaeology	✓
Geo-Environmental	✓
Permitting	✓
Community Impact Assessment (CIA)	✓
Hydraulics	✓

Natural Resources - R-2553

Is this section required? ☒ Yes ☐ No

1. Water Resources Mapping

Upload WEX file (DGN) (last saved: *ssmith_axiom* 11/5/2021 11:13:15 PM)

[R-2553_WEX.dgn](#)

Upload WET file (DGN)

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[R-2553_PotJurisWetlandsWEX.zip](#)

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[R-2553_PotJurisStreamsWEX.zip](#)

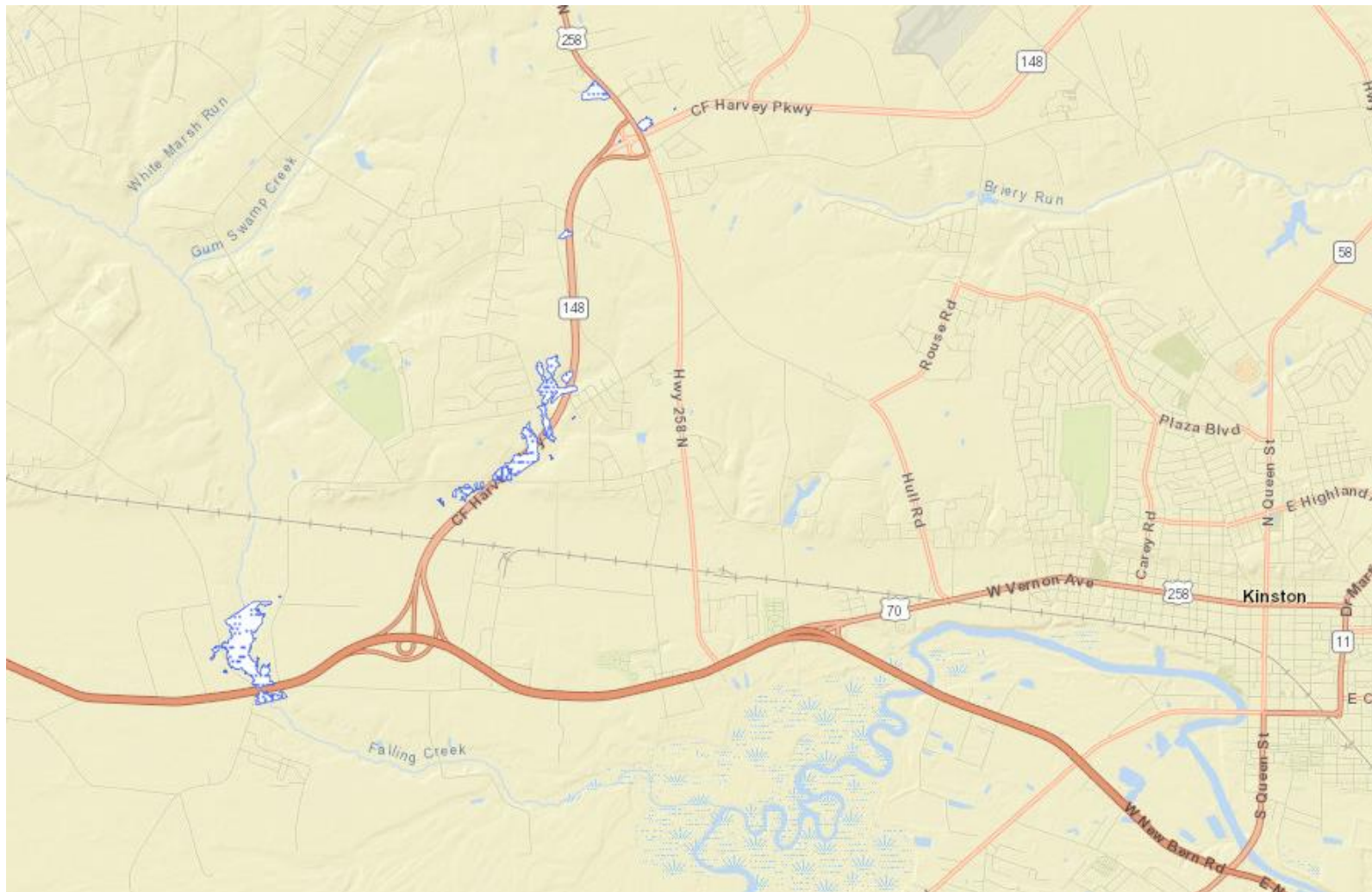
Upload Potential Surface Waters GIS (SHP) (last saved: *akeith_axiom* 11/5/2021 11:13:14 PM)

[R-2553_PotSurfaceWatersWEX.zip](#)

* Upload Preliminary Jurisdictional Determination Package (PDF) (last saved: *ssmith_axiom* 11/5/2021 11:13:14 PM)

[R-2553_PJDPackage.pdf](#)

Finding Geographic Data



Potential Workbench Modifications

- Link to commitments on Connect from ATLAS

Existing

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Project Description	US 158 from SR 1002 to Pasquotank CL - Mod
County	Gates
Division	01
TIP ID	R-5808
Prime Firm Name	Kimley-Horn & Associates Inc
Project Commitments Status	None
Funding Source	1
Is there a lead federal agency?	Yes
Agency Name	FHWA
Document Type	2

Potential Modification

Basic Project Info - R-5808

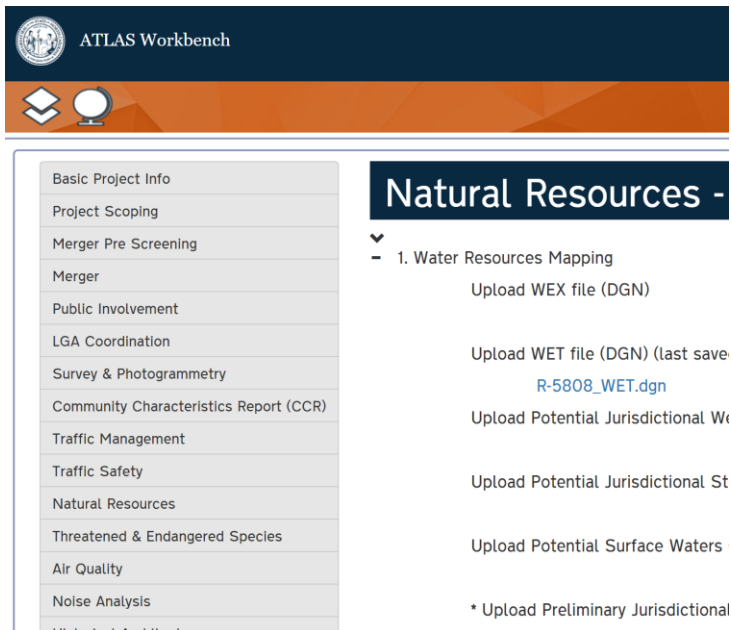
Project Name	R-5808
Project Description	US 158 from SR 1002 to Pasquotank CL - Mod
County	Gates
Division	01
TIP ID	R-5808
Prime Firm Name	Kimley-Horn & Associates Inc
Project Commitments Status	None
Funding Source	Federal
Is there a lead federal agency?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Agency Name	FHWA
Document Type	CEType1

[View and Edit Project Commitments](#)

Potential Workbench Modifications

- Add Content Search

Existing



ATLAS Workbench

Basic Project Info

Project Scoping

Merger Pre Screening

Merger

Public Involvement

LGA Coordination

Survey & Photogrammetry

Community Characteristics Report (CCR)

Traffic Management

Traffic Safety

Natural Resources

Threatened & Endangered Species

Air Quality

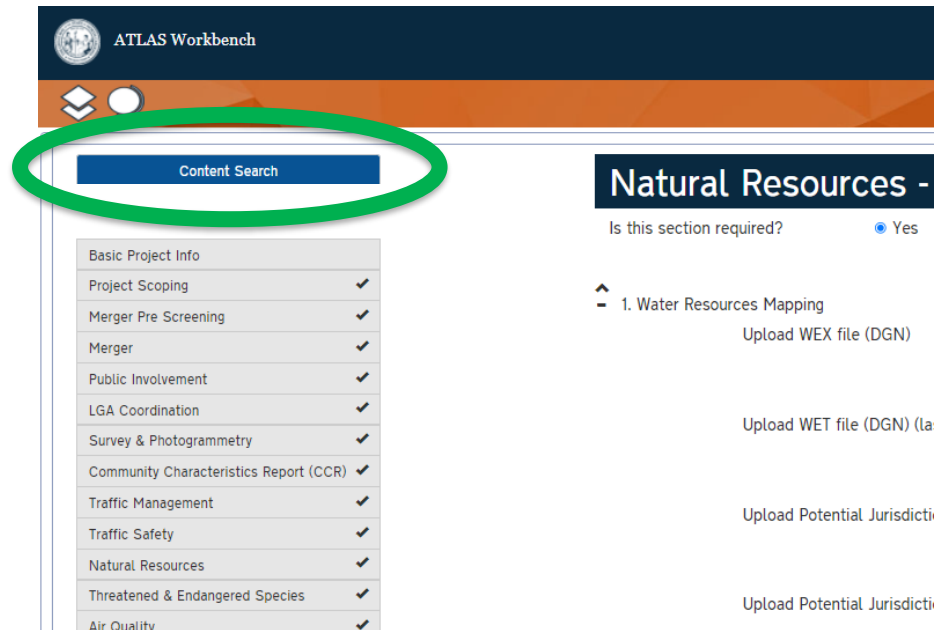
Noise Analysis

Historical Architecture

Natural Resources -

- 1. Water Resources Mapping
 - Upload WEX file (DGN)
 - Upload WET file (DGN) (last save: [R-5808_WET.dgn](#))
 - Upload Potential Jurisdictional W
 - Upload Potential Jurisdictional St
 - Upload Potential Surface Waters
 - * Upload Preliminary Jurisdictional

Potential Modification



ATLAS Workbench

Content Search

Basic Project Info

Project Scoping

Merger Pre Screening

Merger

Public Involvement

LGA Coordination

Survey & Photogrammetry

Community Characteristics Report (CCR)

Traffic Management

Traffic Safety

Natural Resources

Threatened & Endangered Species

Air Quality

Natural Resources -

Is this section required? ☒ Yes

- 1. Water Resources Mapping
 - Upload WEX file (DGN)
 - Upload WET file (DGN) (la
 - Upload Potential Jurisdicti
 - Upload Potential Jurisdicti

Potential Workbook Modifications

- Start with “closed” tabs instead of “open”

Existing

Natural Resources - R-5808

▼ 1. Water Resources Mapping

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 No

Potential Mitigation

Natural Resources - R-5808



+ 1. Water Resources Mapping

+ 2. NRTR

+ 3. NRTR Summary

* = Required Response

^{CE} = Related to Preliminary CE Checklist Question

Next Steps for ATLAS

- Modifications based on user input
 - External agencies
 - NCDOT staff
 - Consultants
- Email ATLAS@ncdot.gov with ideas
 - Label “External Workbench” in subject line
- Follow-up external agency workshop with mock-ups
- Need for external agency training?

Discussion and Questions

Potential Discussion Topics

- All questions are visible, even if there is not an available document
- Workbench is organized by resource topic
- ATLAS is read-only for external agencies
- Some questions are denoted with a “CE”
- “Last saved” indicates NCID and firm name
- Email ATLAS@ncdot.gov if you find bugs

Finding Geographic Data



ATLAS Workbench

**Screening Tool – to see GIS data in a study area**

About

Ad

Basic Project Info

Project Scoping

Merger Pre Screening

Merger

Public Involvement

LGA Coordination

Survey & Photogrammetry

Community Characteristics Report (CCR)

Traffic Management

Traffic Safety

Natural Resources

Threatened & Endangered Species

Air Quality

Noise Analysis

Historical Architecture

Natural Resources - R-5808



- 1. Water Resources Mapping

Upload WEX file (DGN)

Upload WET file (DGN) (last saved: *brianpownall* 11/8/2021 5:51:41 AM)[R-5808_WET.dgn](#)

Upload Potential Jurisdictional Wetlands GIS (SHP)

Upload Potential Jurisdictional Streams GIS (SHP)

Upload Potential Surface Waters GIS (SHP)

* Upload Preliminary Jurisdictional Determination Package (PDF)