

# North Atlantic Right Whale Critical Habitat, February 2022 - NC Department of Transportation

## File Geodatabase Feature Class



### Tags

North Atlantic Right Whale, *Eubalaena glacialis*, endangered, Biology, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Monitoring, Water, Greater Atlantic Regional Fisheries Office, Southeast Regional Office, Southeast Region, Natural Resources, GARFO, Endangered Species Act, Permits, oceans, Ecology, Human, environment, Greater Atlantic Region, Critical Habitat, NOAA, Environment, Atlantic Ocean, Ecosystem, ESA, Marine, Conservation, US EEZ, NMFS, Compliance, Biota, Boundaries, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

### Summary

This dataset was made available as part of the Project ATLAS initiative at NCDOT to support the Environmental Analysis Unit (EAU) Mitigation and Modeling Unit with project delivery in the development phase. Data is current as of January 2016 and corresponds to the USFWS final ruling of critical habitat as published in the Federal Register on February 26, 2016.

This dataset depicts the boundaries of the North Atlantic Right Whale Critical Habitat for the NOAA Fisheries Service's Greater Atlantic Regional Fisheries Office (GARFO).

This layer includes boundaries for the Critical Habitat for North Atlantic Right Whale off the southeastern US coast, the calving area, which falls under the jurisdiction of the NOAA Fisheries Southeast Region.

Because GIS projection and topology functions can change or generalize coordinates, these GIS files are considered to be approximate representations and are NOT an OFFICIAL record for the exact regulated area boundaries. For information on the official legal definition refer to the Use Constraints metadata section.

### Description

The North Atlantic right whale Critical Habitat dataset is a polygon layer depicting the boundaries of the North Atlantic Right Whale Critical Habitat for the NOAA Fisheries Service's Greater Atlantic Regional Fisheries Office (GARFO).

The North Atlantic right whale is one of the world's most endangered large whale species; the latest preliminary estimate suggests there are fewer than 350 remaining, with fewer than 100 breeding females. The number of new calves born in recent years has been below average. Right whales are baleen whales, feeding on copepods (tiny crustaceans) by straining huge volumes of ocean water through their baleen plates, which act like a sieve. By the early 1890s, commercial whalers had hunted right whales in the Atlantic to the brink of extinction. Whaling is no longer a threat, but human interactions still present the greatest danger to this species. Entanglement in fishing gear and vessel strikes are the leading causes of North Atlantic right whale mortality. Increasing ocean noise levels from human activities are also a concern since the noise may interfere with right whale communication and increase their stress levels. North Atlantic right whales have stocky black bodies with no dorsal fins, and their blow spouts are shaped like a "V." Their tails are broad, deeply notched, and all black with a smooth trailing edge. Their bellies may be all black or have irregularly shaped white patches. Pectoral flippers are relatively short, broad, and paddle-shaped. Calves are about 14 feet at birth and adults can grow to lengths of 52 feet. Their heads have knobby white patches of rough skin, called callosities, which appear white because of whale lice (cyamids) covering their otherwise black skin. Each right whale has a unique pattern of

callosities that scientists use to identify individual whales, an invaluable tool in tracking population size and health.

### Credits

In 2010, in response to mounting requests for digital depictions of NMFS Regulated Areas in Northeast, Mid-Atlantic, and Southeast Waters (Regulated Areas), the NMFS Greater Atlantic Regional Fisheries Office (GARFO) Geographic Information Systems (GIS) Committee launched a project to standardize the development, publication and regular updating of GIS files depicting Regulated Area boundaries. This dataset is a product of that initiative.

Maintenance of this dataset is handled by the NMFS.

Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

### Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

Datasets developed under Project ATLAS do not replace any field work for future projects and may not be used as a replacement for site visits / field surveys by qualified licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre-decisional.

### Extent

**West** -81.553701    **East** -77.713392  
**North** 33.918131    **South** 27.984442

### Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:625,000

[ArcGIS Metadata](#) ►

### Topics and Keywords

 ►

**THEMES OR CATEGORIES OF THE RESOURCE**    biota, boundaries, location, transportation, environment

\* **CONTENT TYPE**    Downloadable Data  
**EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION**    No

**PLACE KEYWORDS**    North Carolina

**THESAURUS** ►

**TITLE**    User  
**CREATION DATE**    2016-01-26 00:00:00  
**PUBLICATION DATE**    2022-02-25 00:00:00

[Hide Thesaurus](#) ▲

**THEME KEYWORDS**    North Atlantic Right Whale, Eubalaena glacialis, endangered, Biology, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Monitoring, Water, Greater Atlantic Regional Fisheries Office, Southeast Regional Office, Southeast Region, Natural Resources, GARFO, Endangered Species Act, Permits, oceans, Ecology, Human, environment, Greater Atlantic Region, Critical Habitat, NOAA, Environment, Atlantic Ocean, Ecosystem, ESA, Marine, Conservation, US EEZ, NMFS, Compliance, Biota, Boundaries, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

THESAURUS ▶

TITLE User

CREATION DATE 2016-01-26 00:00:00

PUBLICATION DATE 2022-02-25 00:00:00

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

**Citation** ▶

TITLE North Atlantic Right Whale Critical Habitat, February 2022 - NC Department of Transportation

CREATION DATE 2016-01-26 00:00:00

PUBLICATION DATE 2022-02-25 00:00:00

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

[Hide Citation ▲](#)

**Citation Contacts** ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE resource provider

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

ADDRESS

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CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27610

COUNTRY US

E-MAIL ADDRESS [ATLAS@ncdot.gov](mailto:ATLAS@ncdot.gov)

HOURS OF SERVICE

9:00am – 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions or comments regarding the ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

[Hide Contact information ▲](#)

RESPONSIBLE PARTY

ORGANIZATION'S NAME NOAA Fisheries Service Greater Atlantic Regional Fisheries Office

CONTACT'S POSITION GIS Specialist

CONTACT'S ROLE originator

CONTACT INFORMATION ▶

PHONE

VOICE 978-282-8479

ADDRESS

TYPE postal  
DELIVERY POINT 55 Great Republic Drive  
COUNTRY US  
CITY Gloucester  
ADMINISTRATIVE AREA MA  
POSTAL CODE 01930  
E-MAIL ADDRESS [dean.szumylo@noaa.gov](mailto:dean.szumylo@noaa.gov)

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RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit  
CONTACT'S POSITION Environmental Program Consultant  
CONTACT'S ROLE point of contact

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[Hide Citation Contacts ▲](#)

## Resource Details ►

DATASET LANGUAGES English (UNITED STATES)  
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS completed  
SPATIAL REPRESENTATION TYPE vector

\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

In 2010, in response to mounting requests for digital depictions of NMFS Regulated Areas in Northeast, Mid-Atlantic, and Southeast Waters (Regulated Areas), the NMFS Greater Atlantic Regional Fisheries Office (GARFO) Geographic Information Systems (GIS) Committee launched a project to standardize the development, publication and regular updating of GIS files depicting Regulated Area boundaries. This dataset is a product of that initiative.

Maintenance of this dataset is handled by the NMFS.

Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

[Hide Resource Details ▲](#)

## Extents ►

### EXTENT

#### DESCRIPTION

Data collection is complete.

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

WEST LONGITUDE -84.422111

EAST LONGITUDE -75.416034

SOUTH LATITUDE 33.730557

NORTH LATITUDE 36.617257

EXTENT CONTAINS THE RESOURCE Yes

#### TEMPORAL EXTENT

BEGINNING DATE 2016-01-26 00:00:00

ENDING DATE 2016-01-26 00:00:00

### EXTENT

#### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -81.553701

\* EAST LONGITUDE -77.713392

\* NORTH LATITUDE 33.918131

\* SOUTH LATITUDE 27.984442

\* EXTENT CONTAINS THE RESOURCE Yes

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 1224953.740800

\* EAST LONGITUDE 2390420.160191

\* SOUTH LATITUDE -2094449.054337

\* NORTH LATITUDE 61195.152411

\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

### POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE point of contact

### CONTACT INFORMATION ►

#### PHONE

VOICE 919-707-6136

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[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

#### RESOURCE MAINTENANCE

UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

#### OTHER MAINTENANCE REQUIREMENTS

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CONTACT'S POSITION Environmental Program Consultant  
CONTACT'S ROLE point of contact

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[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

### LEGAL CONSTRAINTS

#### LIMITATIONS OF USE

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### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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[Hide Resource Constraints ▲](#)

## Spatial Reference ►

### ARCGIS COORDINATE SYSTEM

\* TYPE Projected

\* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983

\* PROJECTION NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet

\* COORDINATE REFERENCE DETAILS

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102719

X ORIGIN -121841900

Y ORIGIN -93659000

XY SCALE 3048.0060960121918

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 0.0032808333333333331  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true  
LATEST WELL-KNOWN IDENTIFIER 2264  
WELL-KNOWN TEXT  
PROJCS["NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert\_Conformal\_Conic"],PARAMETER["False\_Easting",2000000.002616666],PARAMETER["False\_Northing",0.0],PARAMETER["Central\_Meridian",-79.0],PARAMETER["Standard\_Parallel\_1",34.33333333333334],PARAMETER["Standard\_Parallel\_2",36.16666666666666],PARAMETER["Latitude\_Of\_Origin",33.75],UNIT["Foot\_US",0.3048006096012192],AUTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER

VALUE 2264  
\* CODESPACE EPSG  
\* VERSION 6.12(9.0.0)

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

VECTOR ►

\* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME NorthAtlanticRightWhale  
\* OBJECT TYPE composite  
\* OBJECT COUNT 1

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME NorthAtlanticRightWhale  
\* FEATURE TYPE Simple  
\* GEOMETRY TYPE Polygon  
\* HAS TOPOLOGY FALSE  
\* FEATURE COUNT 1  
\* SPATIAL INDEX TRUE  
\* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)



DATA QUALITY REPORT - COMPLETENESS OMISSION ▶

MEASURE DESCRIPTION

After processing, the dataset is checked for drawing display and number of records and file sizes compared with source materials.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION ▶

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2019-06-28 00:00:00

PUBLICATION DATE 2021-10-29 00:00:00

*Hide Product specification ▲*

*Hide Data quality report - Completeness omission ▲*

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶

MEASURE DESCRIPTION

The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. The geometry is checked, and if needed repaired.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION ▶

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2019-06-28 00:00:00

PUBLICATION DATE 2021-10-29 00:00:00

*Hide Product specification ▲*

*Hide Data quality report - Conceptual consistency ▲*

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

MEASURE DESCRIPTION

Geometry checks were conducted using ESRI's Data Reviewer tool.

CONFORMANCE TEST RESULTS

TEST PASSED Yes  
RESULT EXPLANATION  
Pass

PRODUCT SPECIFICATION ▶

TITLE NCDOT Geospatial Data Specifications  
CREATION DATE 2019-06-28 00:00:00  
PUBLICATION DATE 2021-10-29 00:00:00

[Hide Product specification ▲](#)

[Hide Data quality report - Quantitative attribute accuracy ▲](#)

[Hide Data Quality ▲](#)

## Lineage ▶

LINEAGE STATEMENT

Data:

- NOAA's Medium Resolution Digital Vector Shoreline (1998) for the Contiguous United States
- USMaritimeLimitsNBoundaries

A shoreline was selected that was suitable for general mapping purposes, freely and publicly available, of medium-resolution, and covering the extent of the U.S. A series of template polygon shapefiles were then generated. The ESRI ArcGIS Check Geometry tool was run on the shapefile to identify any geometry problems. If problems were encountered, they were reviewed and corrected. Features were extracted from the template polygons to generate the regulated area boundary. The standardized attribute schema was applied to the shapefile, and the fields were defined.

PROCESS STEP ▶

DESCRIPTION

Data was downloaded from the NMFS website and the portion outside of NC shoreline was clipped out. Shapefile was converted to geodatabase.

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit  
CONTACT'S POSITION Environmental Program Consultant  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

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CITY Raleigh  
ADMINISTRATIVE AREA NC  
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E-MAIL ADDRESS ATLAS@ncdot.gov

#### HOURS OF SERVICE

9:00am – 5:00pm Monday - Friday

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

#### PROCESS STEP ►

##### DESCRIPTION

Data was reviewed in ESRI's Data Reviewer tool to verify geometry.

#### PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE point of contact

#### CONTACT INFORMATION ►

##### PHONE

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

#### PROCESS STEP ►

##### DESCRIPTION

Geodatabase was forwarded on to the GIS Unit for publishing as part of data for project ATLAS.

#### PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

## Distribution ▶

DISTRIBUTOR ▶

CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE distributor

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

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[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

\* NAME File Geodatabase Feature Class  
VERSION 10.5

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [NorthAtlanticRightWhale ►](#)

\* TYPE Feature Class

\* ROW COUNT 1

DEFINITION

NMFS Regulated Areas for North Atlantic Right Whale

DEFINITION SOURCE

GARFO

FIELD [OBJECTID ►](#)

ALIAS OBJECTID

\* DATA TYPE OID

\* WIDTH 4

\* PRECISION 0

\* SCALE 0

\* FIELD DESCRIPTION

Internal feature number.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

FIELD [Shape ►](#)

\* ALIAS Shape

\* DATA TYPE Geometry

\* WIDTH 0

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Feature geometry

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Coordinate geometry

[Hide Field Shape ▲](#)

FIELD Shape\_Length ▶

- \* ALIAS Shape\_Length
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Length of feature in internal units.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Positive real numbers that are automatically generated.

[Hide Field Shape\\_Length ▲](#)

FIELD Shape\_Area ▶

- \* ALIAS Shape\_Area
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Area of feature in internal units squared.
- \* DESCRIPTION SOURCE  
Esri
- \* DESCRIPTION OF VALUES  
Positive real numbers that are automatically generated.

[Hide Field Shape\\_Area ▲](#)

FIELD Area ▶

- \* ALIAS AreaName
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION  
Official name of the Regulated Area, usually the area name as printed in the CFR (Code of Federal Regulation)
- DESCRIPTION SOURCE  
GARFO

[Hide Field Area ▲](#)

[Hide Details for object NorthAtlanticRightWhale ▲](#)

[Hide Fields ▲](#)

## Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)  
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset  
SCOPE NAME \*dataset

\* LAST UPDATE 2024-01-30

### ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0  
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139  
METADATA STYLE ISO 19139 Metadata Implementation Specification

CREATED IN ARCGIS FOR THE ITEM 2024-02-01 14:13:20  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-30 11:00:41

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-01-30 11:00:41

### ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2019-04-10 11:36:22  
To \\SER-GIS2\GIS  
DATA\GEODATA\USA\SE\_Region\Protected\_Resources\Critical\_Habitat\North\_Atlantic\_Right\_Whale\_Critical\_Habitat  
FROM  
Q:\PRODUCTS\person\africk\whales\RIWH\_propCH2010\Proposed\_North\_Atlantic\_Right\_Whale\_Critical\_Habitat\_GARFO\North\_Atlantic\_Right\_Whale\_Critical\_Habitat\North\_Atlantic\_Right\_Whale\_Critical\_Habitat

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

### METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit  
CONTACT'S POSITION Environmental Program Consultant  
CONTACT'S ROLE point of contact

### CONTACT INFORMATION ►

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TYPE  
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## Metadata Maintenance ►

**MAINTENANCE**

UPDATE FREQUENCY as needed

**OTHER MAINTENANCE REQUIREMENTS**

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VOICE 919-707-6136

**ADDRESS**

**TYPE**

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27610

COUNTRY US

E-MAIL ADDRESS [ATLAS@ncdot.gov](mailto:ATLAS@ncdot.gov)

**HOURS OF SERVICE**

9:00am – 5:00pm Monday - Friday

**CONTACT INSTRUCTIONS**

Please send an email with any issues, questions or comments regarding the ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

[Hide Contact information ▲](#)

[Hide Metadata Maintenance ▲](#)



## Metadata Constraints ►

### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

### LIMITATIONS OF USE

The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. Datasets developed under Project ATLAS do not replace any field work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre-decisional.

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## Thumbnail and Enclosures ►

### THUMBNAIL

THUMBNAIL TYPE JPG

### ENCLOSURE

ENCLOSURE TYPE File

DESCRIPTION OF ENCLOSURE original metadata

ORIGINAL METADATA DOCUMENT, WHICH WAS TRANSLATED yes

SOURCE METADATA FORMAT fgdc

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