

# Loggerhead Sea Turtle Critical Habitat, February 2022 - NC Department of Transportation

## File Geodatabase Feature Class



### Tags

Caretta caretta, Loggerhead sea turtle, critical habitat, NOAA, NMFS, coastal, species, threatened, reptile, constricted migratory, Sargassum, nearshore reproductive, 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 July 2014 and corresponds to the USFWS final ruling of critical habitat as published in the Federal Register.

The purpose of this layer is to visually represent the critical habitat areas for the Loggerhead Sea Turtles. Critical habitat constitutes areas considered essential for the conservation of a listed species. These data identify, in general, the areas of

- winter critical habitat,
- Sargassum critical habitat,
- nearshore reproductive critical habitat and
- constricted migratory critical habitat

for the Northwest Atlantic Ocean Distinct Population Segment of Loggerhead sea turtle (*Caretta caretta*), providing notice to the public and managers of the importance of the areas to the conservation of this species. Special protections and/or restrictions are possible in areas where Federal funding, permits, licenses, authorizations, or actions occur or are required.

The physical and biological features (PBF) are described below:

Winter habitat as warm water habitat south of Cape Hatteras, North Carolina near the western edge of the Gulf Stream used by a high concentration of juveniles and adults during the winter months.

Sargassum habitat as developmental and foraging habitat for young loggerheads where surface waters form accumulations of floating material, especially Sargassum.

Nearshore reproductive habitat as a portion of the nearshore waters adjacent to nesting beaches that are used by hatchlings to egress to the open-water environment as well as by nesting females to transit between beach and open water during the nesting season.

Constricted migratory habitat as high use migratory corridors that are constricted (limited in width) by land on one side and the edge of the continental shelf and Gulf Stream on the other side.

Primary constituent elements (PCEs) are below:

Winter Critical Habitat:

- (i) Water temperatures above 10° C from November through April;
- (ii) Continental shelf waters in proximity to the western boundary of the Gulf Stream; and
- (iii) Water depths between 20 and 100 meters.

#### Sargassum Critical Habitat:

- (i) Convergence zones, surface-water downwelling areas, the margins of major boundary currents (Gulf Stream), and other locations where there are concentrated components of the Sargassum community in water temperatures suitable for the optimal growth of Sargassum and inhabitation of loggerheads;
- (ii) Sargassum in concentrations that support adequate prey abundance and cover;
- (iii) Available prey and other material associated with Sargassum habitat including, but not limited to, plants and cyanobacteria and animals native to the Sargassum community such as hydroids and copepods; and
- (iv) Sufficient water depth and proximity to available currents to ensure offshore transport (out of the surf zone), and foraging and cover requirements by Sargassum for post-hatchling loggerheads, i.e., >10 meters depth.

#### Nearshore Reproductive Critical Habitat:

- (i) Nearshore waters directly off the highest density nesting beaches, as identified in 78 FR 43006, July 18, 2003, to 1.6 km (1 mile) offshore;
- (ii) Waters sufficiently free of obstructions or artificial lighting to allow transit through the surf zone and outward toward open water; and
- (iii) Waters with minimal man made structures that could promote predators (i.e., nearshore predator concentration caused by submerged and emergent offshore structures), disrupt wave patterns necessary for orientation, and/or create excessive longshore currents.

#### Constricted Migratory Critical Habitat:

- (i) Constricted continental shelf area relative to nearby continental shelf waters that concentrate migratory pathways; and
- (ii) Passage conditions to allow for migration to and from nesting, breeding, and/or foraging areas.

#### Description

The Loggerhead sea turtle critical habitat polygon layer depicts areas where they are found.

The loggerhead turtle is named for its large head, which supports powerful jaw muscles that enable them to feed on hard-shelled prey, such as whelks and conch. Loggerheads are the most abundant species of sea turtle that nests in the United States. Juvenile and adult loggerheads live in U.S. coastal waters, but many adults that nest on U.S. beaches migrate from neighboring nations like the Bahamas, Cuba, and Mexico.

Loggerhead populations in the United States declined due to bycatch in fishing gear such as trawls, gillnets, and longlines. The use of turtle excluder devices (TEDs) in shrimp trawls, gillnet bans, and other gear modification have reduced sea turtle bycatch in some fisheries, but bycatch in fishing gear remains the biggest threat facing loggerheads.

In the United States, the Northwest Atlantic Ocean DPS of loggerhead turtles nests primarily along the Atlantic coast of Florida, South Carolina, Georgia, and North Carolina and along the Florida and Alabama coasts in the Gulf of Mexico. Total estimated nesting in the United States is more than 100,000 nests per year.

#### Credits

The National Oceanic and Atmospheric Administration (NOAA) Fisheries Service's Office of Protected Resources created this dataset.

Maintenance of this dataset is handled by NOAA.

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** -79.174382 **East** -70.587090

**North** 38.122540 **South** 29.966918

## 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 2014-07-14 00:00:00

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

*Hide Thesaurus ▲*

THEME KEYWORDS Caretta caretta, Loggerhead sea turtle, critical habitat, NOAA, NMFS, coastal, species, threatened, reptile, constricted migratory, Sargassum, nearshore reproductive, Biota, Boundaries, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

THESAURUS ▶

TITLE User

CREATION DATE 2014-07-14 00:00:00

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*Hide Thesaurus ▲*

*Hide Topics and Keywords ▲*

## Citation ▶

TITLE Loggerhead Sea Turtle Critical Habitat, February 2022 - NC Department of Transportation

CREATION DATE 2014-07-14 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

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ADMINISTRATIVE AREA NC

POSTAL CODE 27610

COUNTRY US

E-MAIL ADDRESS 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 National Oceanic and Atmospheric Administration (NOAA) Fisheries Service's Office of Protected Resources

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 301-427-8434

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TYPE postal

COUNTRY US

DELIVERY POINT 1315 East West Hwy, Building SSMC3

CITY Silver Spring

ADMINISTRATIVE AREA MD

POSTAL CODE 20910

DELIVERY POINT NOAA Fisheries Service

DELIVERY POINT Office of Protected Resources

E-MAIL ADDRESS Jeff.Adams@noaa.gov

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CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE point of contact

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## 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

The National Oceanic and Atmospheric Administration (NOAA) Fisheries Service's Office of Protected Resources created this dataset.

Maintenance of this dataset is handled by NOAA.

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 2014-07-14 00:00:00

ENDING DATE 2014-07-14 00:00:00

#### EXTENT

##### GEOGRAPHIC EXTENT

###### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -79.174382

\* EAST LONGITUDE -70.587090

\* NORTH LATITUDE 38.122540

\* SOUTH LATITUDE 29.966918

\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 1949776.062150

\* EAST LONGITUDE 4428829.291042

\* SOUTH LATITUDE -1285105.105443

\* NORTH LATITUDE 1592055.165160

\* 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 ►

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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 LoggerheadSeaTurtle

- \* OBJECT TYPE composite



\* OBJECT COUNT 7

[Hide Vector ▲](#)

#### ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME LoggerheadSeaTurtle

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Polygon

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 7

\* 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

Creation steps for the following Critical habitat types:

Winter critical habitat:

The landward boundary and seaward boundaries of the winter habitat polygon are the 20 and 100 meter depth contours generated from 30 arc-second GEBCO bathymetry data, respectively. The landward boundary extends along the 20 meter contour from Cape Hatteras (35.27° N latitude) to Cape Fear (33.47° N latitude). The seaward boundary extends along the 100 meter contour from Cape Hatteras (35.27° N latitude) to 33.2° N latitude. To the north, the landward boundary is connected to the seaward boundary using a segment that extends due east at 35.27° N latitude. To the south, the landward boundary is connected to the seaward boundary using a segment that

extends from the 20 meter contour at 33.47° N latitude, 77.58° W longitude to the 100 meter contour at 33.2° N latitude, 77.32° W longitude.

#### Sargassum critical habitat:

The Gulf of Mexico Sargassum habitat polygon was delineated using depth contours generated from 30 arc-second GEBCO bathymetry data, the United States Exclusive Economic Zone (U.S. EEZ) boundary, gridded mean summer sea surface currents (1993-2011) calculated from 1/3-degree Ocean Surface Current Analyses-Real time (OSCAR) data, and the Gulf Loop Current and Gulf Stream as modeled by the Naval Oceanographic Office from 2010 sea surface temperature data. The 10 meter depth contour starting at the mouth of South Pass of the Mississippi River and proceeding west and south to the outer boundary of the U.S. EEZ makes up the northern and western boundaries of the polygon. The southern boundary consists of the U.S. EEZ from the 10 meter depth contour off of Texas to the Gulf of Mexico-Atlantic border (83° W longitude). The eastern boundary follows the 10 m depth contour from the mouth of South Pass of the Mississippi River at 28.97° N latitude, 89.15° W longitude, in a straight line to the northernmost boundary of the Loop Current (28° N latitude, 89° W longitude) and then along the eastern edge of the Loop Current roughly following the velocity of 0.101-0.20 m/second (from the gridded mean summer sea surface currents) to the Gulf of Mexico-Atlantic Ocean border (24.58° N latitude, 83° W longitude). The delineation between the Gulf of Mexico and the Atlantic Ocean starts near the Dry Tortugas at 24.58° N latitude, 83° W longitude, and proceeds southward along 83° W longitude to the outer boundary of the U.S. EEZ (23.82° N latitude). The Atlantic Ocean Sargassum habitat polygon was delineated using the boundaries of the breeding and migratory critical habitat polygons, depth contours generated from 30 arc-second GEBCO bathymetry data, the United States Exclusive Economic Zone (U.S. EEZ) boundary, gridded mean summer sea surface currents (1993-2011) calculated from Ocean Surface Current Analyses-Real time (OSCAR) data, and the Loop Current and Gulf Stream as modeled by the Naval Oceanographic Office from 2010 sea surface temperature data. The polygon has as its outer boundary the U.S. EEZ, starting at the Gulf of Mexico-Atlantic border (23.82° N latitude, 83° W longitude) and proceeding east and north until the U.S. EEZ coincides with the Gulf Stream at 37.84° N latitude, 70.59° W longitude. The inner boundary of the polygon starts at the Gulf of Mexico-Atlantic border (24.58° N latitude, 83° W longitude) to the outer edge of the breeding/migratory critical habitat at 24.34° N latitude, 82.16° W longitude, along the outer edge of the corridor (following the 200 m depth contour) until it coincides with the breeding habitat off of Cape Canaveral at 27.97° N latitude, 80.14° W longitude, and from there roughly follows the velocity of 0.401-0.50 m/second from the gridded mean summer sea surface currents until it coincides with the outer edge of the U.S. EEZ at 37.84° N latitude, 70.59° W longitude.

#### Nearshore reproductive critical habitat:

1.6 km buffers were created around the nesting beach critical habitat line features published in the Federal Register Volume 79, pg. 39755, July 10, 2014. The buffers were clipped to include polygons of only the portion seaward of the nesting beach critical habitat line features portion. Adjacent seaward nearshore reproductive polygons within 1.6 km of each other were connected to make the final nearshore reproductive units using a shoreline vector digitized using the ArcGIS Online World Imagery Basemap as a reference (zoomed to an approximate scale of 1:24000) or by delineating a straight line from the end of one beach to the beginning of another (either from island to island or across an inlet or the mouth of an estuary).

#### Constricted migratory critical habitat :

The landward boundary of northern constricted migratory habitat polygon consists of shoreline digitized using the ArcGIS Online World Imagery Basemap as a reference (zoomed to an approximate scale of 1:24000) from 36.0° N latitude to Cape Lookout (34.58° N latitude). The seaward boundary of the northern constricted migratory habitat polygon is the 200 meter depth contour generated from 30 arc-second GEBCO bathymetry data. The landward boundary of the northern constricted migratory habitat polygon connects to the seaward boundary with due east segments at 36.0 and 34.58° N latitudes. The landward boundary of the southern constricted migratory habitat polygon was created using a combination of shoreline digitized using the ArcGIS Online World Imagery Basemap (zoomed to an approximate scale of 1:24000) as a reference and line features from the 2012 TIGER/Line® roads shapefile. For the landward boundary, digitized shoreline is used from the tip of Cape Canaveral, FL (28.46° N latitude) south to Key Largo. At approximately 25.17° N latitude, the digitized shoreline is connected to a line feature from the roads shapefile representing US Route 1. Heading south, the US Route 1 line feature from the roads shapefile serves as the landward boundary until it ends in Key West. The end of the US Route 1 line feature is connected back to the digitized shoreline, which serves as the landward boundary to the western edge of the Marquesas Keys. The

northern border stretches from the shoreline at 28.46° N latitude to the 30 meter depth contour. From the 30 meter depth contour at 28.46° N latitude, the seaward boundary stretches to the 200 meter depth contour at 27.0° N latitude. The seaward boundary continues south and west along the 200 meter depth contour until it reaches the western edge of the Marquesas Keys at 82.17° W longitude. The landward boundary of the southern constricted migratory habitat polygon at the western edge of the Marquesas Keys connects to the seaward boundary using a segment that extends due south.

PROCESS STEP ▶

DESCRIPTION

Data was downloaded as a shapefile. Features for NC were exported out and converted to a 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

ADDRESS

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive  
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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

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[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

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[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 ►

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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 [LoggerheadSeaTurtle](#) ►

\* TYPE Feature Class  
\* ROW COUNT 7

#### DEFINITION

Critical Habitat areas for Loggerhead sea turtle

#### DEFINITION SOURCE

NOAA

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

Coordinates defining the features.

*Hide Field SHAPE ▲*

FIELD UnitNo ►

\* ALIAS UnitNumber

\* DATA TYPE String

\* WIDTH 15

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Critical habitat unit number.

DESCRIPTION SOURCE

NOAA

*Hide Field UnitNo ▲*

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 HabType ►

- \* ALIAS TypeofHabitat
- \* DATA TYPE String
- \* WIDTH 100
- \* PRECISION 0
- \* SCALE 0
- FIELD DESCRIPTION  
Type of Habitat for Species
  
- DESCRIPTION SOURCE  
NCDOT

*Hide Field HabType ▲*

*Hide Details for object LoggerheadSeaTurtle ▲*

*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  
METADATA STYLE ISO 19139 Metadata Implementation Specification  
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2024-02-01 14:11:55  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-30 11:33:21

#### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-01-30 11:33:21

[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 ►

PHONE  
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

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## Metadata Maintenance ►

#### MAINTENANCE

UPDATE FREQUENCY as needed

#### OTHER MAINTENANCE REQUIREMENTS

The National Oceanic and Atmospheric Administration (NOAA) Fisheries Service's Office of Protected Resources created this dataset.

Maintenance of this dataset is handled by NOAA.

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

#### MAINTENANCE CONTACT

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CONTACT'S POSITION Environmental Program Consultant  
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[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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