

# TnE Protected Species Polygon, April 2025 Continuous Capture - NC Department of Transportation Geodatabase Feature Class



**Tags** Transportation, NCDOT, Environment, Location, North Carolina, ATLAS, NRTR, Natural Resources Technical Report, species, protected, protected species, biota

## Summary

This dataset was originally created in May 2019 and updated in July 2021 and April 2025 as part of the Project ATLAS initiative at NCDOT to support project delivery in the development phase. This dataset is a continuously updated compilation of protected species polygons identified during the creation of the NRTR for transportation projects.

## Description

The Threatened and Endangered (TnE) Protected Species Polygon dataset is a polygon layer in a statewide GIS dataset for protected species identified during the Natural Resources Technical Report (NRTR) work during project development for NCDOT. The polygons indicate field collected areas with GPS or drawn from multiple protected species point locations. This data is gathered per transportation project and compiled into one statewide GIS dataset to be used for future transportation planning and project development. This dataset is continuously updated with new records as Natural Resources Technical Reports are completed per transportation project during environmental analysis and project development.

Datasets developed under Project ATLAS do not replace any Natural Resources Technical Report 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.

## Credits

Various consulting firms, contracted by NCDOT to conduct Natural Resources Technical Report work for transportation projects, contribute to this dataset. Additional contributors to this dataset are members of the NCDOT Environmental Analysis Unit. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDOT'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.

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## Extent

There is no extent for this item.

## Scale Range

**Maximum (zoomed in)** 1:5,000

**Minimum (zoomed out)** 1:625,000

## Topics and Keywords

**Themes or categories of the resource** Environment, Biota, Location, Transportation

**Content type** Downloadable Data

**Export to FGDC CSDGM XML format as Resource Description** No

**Theme keywords** Transportation, NCDOT, Environment, Location, North Carolina, ATLAS, NRTR, Natural Resources Technical Report, species, protected, protected species, biota

### Thesaurus

**Title** User

**Publication date** 2025-04-01 00:00:00

**Creation date** 2025-04-01 00:00:00

**Place keywords** North Carolina

### Thesaurus

**Title** User

**Publication date** 2025-04-01 00:00:00

**Creation date** 2025-04-01 00:00:00

## Citation

**Title** TnE Protected Species Polygon, April 2025 Continuous Capture - NC Department of Transportation

**Publication date** 2025-04-01 00:00:00

**Creation date** 2025-04-01 00:00:00

**Presentation formats** digital map

**FGDC geospatial presentation format** vector digital data

## Citation Contacts

### Responsible party - resource provider

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

#### Address

**Type** physical

**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

#### **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.

### **Responsible party - point of contact**

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit  
**Contact's position** Environmental Program Consultant

#### **Contact information**

##### **Phone**

**Voice** 919-707-6146

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### **Responsible party - originator**

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit  
**Contact's position** Environmental Program Consultant

#### **Contact information**

##### **Phone**

**Voice** 919-707-6146

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## Resource Details

**Dataset languages** English (UNITED STATES)  
**Dataset character set** utf8 - 8 bit UCS Transfer Format

**Status** on-going  
**Spatial representation type** vector

**Processing environment** Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

### Credits

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### ArcGIS item properties

**Name** GdbGisuPubC.ATLAS.ProtectedSpeciesPolygon  
**Location** Server=dot-sqlsazp03.dot.nc.net; Service=sde:sqlserver:dot-sqlsazp03.dot.nc.net\EGIS\_01;  
Database=GdbGisuPubC; User=atlas; Version=sde.DEFAULT  
**Access protocol** ArcSDE Connection

## Extents

### Extent

#### Description

Temporal extent is ongoing. Data collection will continue indefinitely.

### Geographic extent

#### Bounding rectangle

**West longitude** -84.422111  
**East longitude** -75.416034  
**South latitude** 33.730557  
**North latitude** 36.617257

### Temporal extent

**Beginning date** 2025-04-01 00:00:00

**Ending date** 2025-04-01 00:00:00

## Resource Points of Contact

### Point of contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

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## Resource Maintenance

### Resource maintenance

**Update frequency** continual

**Scope of the updates** dataset

### Maintenance contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

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## **Resource Constraints**

### **Legal constraints**

#### **Limitations of use**

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### **Security constraints**

**Classification** unclassified

**Classification system** None

#### **Limitations of use**

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### **Constraints**

#### **Limitations of use**

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## **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**

**ProjectedCoordinateSystem**

**WKID** 102719

**XOrigin** -121841900  
**YOrigin** -93659000  
**XYScale** 3048.0060960121928  
**ZOrigin** 0  
**ZScale** 1  
**MOrigin** 0  
**MScale** 1  
**XYTolerance** 0.0032808333333333331  
**ZTolerance** 0.001  
**MTolerance** 0.001  
**HighPrecision** true  
**LatestWKID** 2264

#### WKT

```
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",2000000.0026166666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.166666666666666],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)

## Spatial Data Properties

### Vector

**Level of topology for this dataset** geometry only

### Geometric objects

**Feature class name** GdbGisuPubC.ATLAS.ProtectedSpeciesPolygon  
**Object type** composite  
**Object count** 0

### ArcGIS Feature Class Properties

**Feature class name** GdbGisuPubC.ATLAS.ProtectedSpeciesPolygon  
**Feature type** Simple  
**Geometry type** Polygon  
**Has topology** FALSE  
**Feature count** 0  
**Spatial index** TRUE  
**Linear referencing** FALSE

## Data Quality

### Scope of quality information

**Resource level** dataset

## Data quality report - Formal consistency

### Data quality measure reference

#### Measure description

Completeness, consistency, positional and attribute accuracy are solely dependent upon entities contributing to this dataset. The NCDOT ATLAS Workbench application performs quality control checks on data coming into the enterprise database ensuring that schema is consistent. Checks are made for file name, attribute names, attribute types, attribute length/scale/precision, project number of the feature class vs the values in the ProjNumber field, and date.

### Quality evaluation procedure

#### Evaluation method

Data submitted to the ATLAS gateway through the Workbench tool must follow standards outlined in the ATLAS Standards Document.

### Conformance test results

**Test passed** Yes

#### Result explanation

The ATLAS Workbench has a validation tool that checks every dataset being uploaded to the SDE Database and rejects any that do not follow the ATLAS Standards Document.

### Product specification

**Title** ATLAS Standards Document

**Publication date** 2025-04-01 00:00:00

**Creation date** 2025-04-01 00:00:00

### Responsible party - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

#### Address

**Type** physical

**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

#### Hours of service

9:00am – 5:00pm Monday - Friday

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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.

## Lineage

### Lineage statement

Records for this dataset are collected and added as Natural Resources Technical Reports and their associated geospatial data are delivered via the NCDOT ATLAS Workbench web application. When a project team, hired to complete a Natural Resources Technical Report for a particular project, uploads their Threatened and Endangered Species geospatial data into the ATLAS Workbench application, that data is QA/QC'd to ensure schema consistency and if schema is correct that data is appended to the TnE\_ProtectedSpeciesPolygon dataset in the ATLAS SDE. That data is then published as a REST service to be used by web mapping applications.

### Process step

**When the process occurred** 2019-02-01 00:00:00

#### Description

Protected Species polygons are collected by various contractors conducting field work as part of Natural Resources Technical Report preparation for transportation projects. Field staff use mapping-grade GPS units to record observations. GPS units should be loaded with the appropriate data dictionary files (.ddf) from NCDOT if they are available for the type of data being collected.

### Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

#### Contact information

##### Phone

**Voice** 919-707-6146

##### Address

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### Process step

**When the process occurred** 2019-02-01 00:00:00

#### Description

Contractors refer to Standards Document and copy out the protected species polygon template shapefile. The data collected offsite is compiled into this template and zipped up on the contractor's local machine.

## Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

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## Process step

**When the process occurred** 2019-02-01 00:00:00

### Description

The contractor then signs on to the SharePoint Connect site and navigates to the appropriate project and then over to the ATLAS Workbench and the appropriate discipline. In this case it is Threatened & Endangered Species. The data is then uploaded via the Workbench tool by the contractor for validation of the data.

## Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

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## Process step

**When the process occurred** 2019-02-01 00:00:00

### Description

QA/QC is conducted on the uploaded data by the ATLAS validation tool, which checks for filename, schema and geometry. If the data passes validation then it is appended to TnEProtectedSpeciesPolygon into Edit SDE. The tool writes the URL for the layer to the Edit SDE in the DOC\_URL field. Edit SDE is replicated to Pub SDE. Data is now visible as a web service layer.

## Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

## Contact information

### Phone

**Voice** 919-707-6146

### Address

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## Process step

**When the process occurred** 2019-02-01 00:00:00

### Description

If the data does not pass validation then user receives feedback to upload corrected dataset.

## Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

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## Process step

**When the process occurred** 2019-02-01 00:00:00

### Description

The zip shapefile is placed on SharePoint in the ATLAS folder under the appropriate project number and discipline folder.

## Process contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

### Contact information

#### Phone

**Voice** 919-707-6146

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## Distribution

### Distributor

#### Contact information - distributor

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

#### Contact information

##### Phone

**Voice** 919-707-6146

##### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

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## Distribution format

**Name** SDE Feature Class

**Version** 10.5

## Fields

### Details for object GdbGisuPubC.ATLAS.ProtectedSpeciesPolygon

**Type** Feature Class

**Row count** 0

#### Definition

Protected species polygons

#### Definition source

NCDOT

## Field FromDate

**Alias** FromDate  
**Data type** Date  
**Width** 8  
**Precision** 0  
**Scale** 0

### Field description

Internal Field for start of validity of data. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

### Description source

NCDOT

**Beginning date of values** 2019-02-01

## Field RptName

**Alias** ReportName  
**Data type** String  
**Width** 254  
**Precision** 0  
**Scale** 0

### Field description

Report name associated with the shapefile.

### Description source

NCDOT

### List of values

**Value** Free Text

**Description** Report name associated with the shapefile.

**Enumerated domain value definition source** NCDOT

**Beginning date of values** 2019-02-01

## Field ProjNumber

**Alias** ProjectNumber  
**Data type** String  
**Width** 254  
**Precision** 0  
**Scale** 0

### Field description

DOT Project Number (TIP etc.)

## Description source

NCDOT

## List of values

**Value** Free Text

**Description** DOT Project Number

**Enumerated domain value definition source** NCDOT

**Beginning date of values** 2019-02-01

## Field SciNam

**Alias** SpeciesScientific

**Data type** String

**Width** 100

**Precision** 0

**Scale** 0

## Field description

Species scientific name

## Description source

NCDOT

## List of values

**Value** Villosa trabalis

**Description** Villosa trabalis

**Enumerated domain value definition source** NCDOT - EAU

**Value** Pegias fabula

**Description** Pegias fabula

**Enumerated domain value definition source** NCDOT - EAU

**Value** Elliptio steinstansana

**Description** Elliptio steinstansana

**Enumerated domain value definition source** NCDOT - EAU

**Value** Epioblasma florentina walkeri (=E. walkeri)

**Description** Epioblasma florentina walkeri (=E. walkeri)

**Enumerated domain value definition source** NCDOT - EAU

**Value** Carcharhinus longimanus

**Description** Carcharhinus longimanus

**Enumerated domain value definition source** NCDOT - EAU

**Value** Percina rex

**Description** Percina rex

**Enumerated domain value definition source** NCDOT - EAU

**Value** *Lasmigona decorata*  
**Description** *Lasmigona decorata*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Pleurobema collina*  
**Description** *Pleurobema collina*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Fusconaia masoni*  
**Description** *Fusconaia masoni*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Alasmidonta raveneliana*  
**Description** *Alasmidonta raveneliana*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Menidia extensa*  
**Description** *Menidia extensa*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Erimonax monachus*  
**Description** *Erimonax monachus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Lasmigona subviridis*  
**Description** *Lasmigona subviridis*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Manta birostris*  
**Description** *Manta birostris*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Notropis mekistocholas*  
**Description** *Notropis mekistocholas*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Alasmidonta heterodon*  
**Description** *Alasmidonta heterodon*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Acipenser brevirostrum*  
**Description** *Acipenser brevirostrum*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Acipenser oxyrinchus oxyrinchus*  
**Description** *Acipenser oxyrinchus oxyrinchus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Elliptio lanceolata*

**Description** Elliptio lanceolata  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Alasmidonta varicosa  
**Description** Alasmidonta varicosa  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Sagittaria fasciculata  
**Description** Sagittaria fasciculata  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Solidago spithamaea  
**Description** Solidago spithamaea  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Hexastylis naniflora  
**Description** Hexastylis naniflora  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Sarracenia oreophila  
**Description** Sarracenia oreophila  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Liatris helleri  
**Description** Liatris helleri  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Hudsonia montana  
**Description** Hudsonia montana  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Sarracenia rubra ssp. jonesii  
**Description** Sarracenia rubra ssp. jonesii  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Hedyotis purpurea var. montana  
**Description** Hedyotis purpurea var. montana  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Gymnoderma lineare  
**Description** Gymnoderma lineare  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Isotria medeoloides  
**Description** Isotria medeoloides  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Geum radiatum  
**Description** Geum radiatum

**Enumerated domain value definition source** NCDOT - EAU

**Value** Helonias bullata

**Description** Helonias bullata

**Enumerated domain value definition source** NCDOT - EAU

**Value** Spiraea virginiana

**Description** Spiraea virginiana

**Enumerated domain value definition source** NCDOT - EAU

**Value** Sisyrinchium dichotomum

**Description** Sisyrinchium dichotomum

**Enumerated domain value definition source** NCDOT - EAU

**Value** Cardamine micranthera

**Description** Cardamine micranthera

**Enumerated domain value definition source** NCDOT - EAU

**Value** Schwalbea americana

**Description** Schwalbea americana

**Enumerated domain value definition source** NCDOT - EAU

**Value** Oxypolis canbyi

**Description** Oxypolis canbyi

**Enumerated domain value definition source** NCDOT - EAU

**Value** Thalictrum cooleyi

**Description** Thalictrum cooleyi

**Enumerated domain value definition source** NCDOT - EAU

**Value** Carex lutea

**Description** Carex lutea

**Enumerated domain value definition source** NCDOT - EAU

**Value** Ptilimnium nodosum (=fluviatile)

**Description** Ptilimnium nodosum (=fluviatile)

**Enumerated domain value definition source** NCDOT - EAU

**Value** Rhus michauxii

**Description** Rhus michauxii

**Enumerated domain value definition source** NCDOT - EAU

**Value** Lindera melissifolia

**Description** Lindera melissifolia

**Enumerated domain value definition source** NCDOT - EAU

**Value** Lysimachia asperulaefolia

**Description** Lysimachia asperulaefolia

**Enumerated domain value definition source** NCDOT - EAU

**Value** Helianthus schweinitzii  
**Description** Helianthus schweinitzii  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Amaranthus pumilus  
**Description** Amaranthus pumilus  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Aeschynomene virginica  
**Description** Aeschynomene virginica  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Echinacea laevigata  
**Description** Echinacea laevigata  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Myotis sodalis  
**Description** Myotis sodalis  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Myotis septentrionalis  
**Description** Myotis septentrionalis  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Plecotus townsendii virginianus  
**Description** Plecotus townsendii virginianus  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Myotis grisescens  
**Description** Myotis grisescens  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Charadrius melodus  
**Description** Charadrius melodus  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Calidris canutus rufa  
**Description** Calidris canutus rufa  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Sterna dougallii dougallii  
**Description** Sterna dougallii dougallii  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Mycteria americana  
**Description** Mycteria americana  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Picoides borealis*  
**Description** *Picoides borealis*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Haliaeetus leucocephalus*  
**Description** *Haliaeetus leucocephalus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Canis rufus*  
**Description** *Canis rufus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Glaucomys sabrinus*  
**Description** *Glaucomys sabrinus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Trichechus manatus*  
**Description** *Trichechus manatus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Balaenoptera musculus*  
**Description** *Balaenoptera musculus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Balaenoptera physalus*  
**Description** *Balaenoptera physalus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Eubalaena glacialis*  
**Description** *Eubalaena glacialis*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Balaenoptera borealis*  
**Description** *Balaenoptera borealis*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Physeter macrocephalus*  
**Description** *Physeter macrocephalus*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Chelonia mydas*  
**Description** *Chelonia mydas*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Eretmochelys imbricata*  
**Description** *Eretmochelys imbricata*  
**Enumerated domain value definition source** NCDOT - EAU

**Value** *Lepidochelys kempii*

**Description** Lepidochelys kempii  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Dermochelys coriacea  
**Description** Dermochelys coriacea  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Caretta caretta  
**Description** Caretta caretta  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Neonympha mitchellii francisci  
**Description** Neonympha mitchellii francisci  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Bombus affinis  
**Description** Bombus affinis  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Microhexura montivaga  
**Description** Microhexura montivaga  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Peters clarkia nantahala  
**Description** Peters clarkia nantahala  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Alligator mississippiensis  
**Description** Alligator mississippiensis  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Glyptemys muhlenbergii  
**Description** Glyptemys muhlenbergii  
**Enumerated domain value definition source** NCDOT - EAU

**Beginning date of values** 2019-02-01

## Field SPProjID

**Alias** SharePointProjectID

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

## Field description

Internal Field for SharePoint Project ID. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

## Description source

NCDOT

**Beginning date of values** 2019-02-01

## Field Notes

**Alias** Notes

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

## Field description

User Notes

## Description source

NCDOT

## List of values

**Value** Free Text

**Description** User Notes

**Enumerated domain value definition source** NCDOT

**Beginning date of values** 2019-02-01

## Field Shape

**Alias** Shape

**Data type** Geometry

**Width** 4

**Precision** 0

**Scale** 0

## Field description

Feature geometry.

## Description source

Esri

## Description of values

Coordinates defining the features.

## Field OBJECTID

**Alias** OBJECTID

**Data type** OID

**Width** 4

**Precision** 10

**Scale** 0

### Field description

Internal feature number.

### Description source

Esri

### Description of values

Sequential unique whole numbers that are automatically generated.

## Field ToDate

**Alias** ToDate

**Data type** Date

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Internal Field for end of validity of data. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

### Description source

NCDOT

**Beginning date of values** 2019-02-01

## Field ComNam

**Alias** CommonName

**Data type** String

**Width** 100

**Precision** 0

**Scale** 0

### Field description

Species common name

### Description source

NCDOT

## List of values

**Value** yellow lance

**Description** yellow lance

**Enumerated domain value definition source** NCDOT - EAU

**Value** oceanic whitetip shark

**Description** oceanic whitetip shark

**Enumerated domain value definition source** NCDOT - EAU

**Value** brook floater  
**Description** brook floater  
**Enumerated domain value definition source** NCDOT - EAU

**Value** shortnose sturgeon  
**Description** shortnose sturgeon  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Appalachian elktoe  
**Description** Appalachian elktoe  
**Enumerated domain value definition source** NCDOT - EAU

**Value** tan riffleshell  
**Description** tan riffleshell  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Roanoke logperch  
**Description** Roanoke logperch  
**Enumerated domain value definition source** NCDOT - EAU

**Value** spotfin chub  
**Description** spotfin chub  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Carolina heelsplitter  
**Description** Carolina heelsplitter  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Cumberland bean (pearlymussel)  
**Description** Cumberland bean (pearlymussel)  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Atlantic pigtoe  
**Description** Atlantic pigtoe  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Tar River spiny mussel  
**Description** Tar River spiny mussel  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Atlantic sturgeon  
**Description** Atlantic sturgeon  
**Enumerated domain value definition source** NCDOT - EAU

**Value** dwarf wedgemussel  
**Description** dwarf wedgemussel  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Waccamaw silverside  
**Description** Waccamaw silverside  
**Enumerated domain value definition source** NCDOT - EAU

**Value** giant manta ray  
**Description** giant manta ray  
**Enumerated domain value definition source** NCDOT - EAU

**Value** green floater  
**Description** green floater  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Cape Fear shiner  
**Description** Cape Fear shiner  
**Enumerated domain value definition source** NCDOT - EAU

**Value** littlewing pearlymussel  
**Description** littlewing pearlymussel  
**Enumerated domain value definition source** NCDOT - EAU

**Value** James spiny mussel  
**Description** James spiny mussel  
**Enumerated domain value definition source** NCDOT - EAU

**Value** bunched arrowhead  
**Description** bunched arrowhead  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Blue ridge goldenrod  
**Description** Blue ridge goldenrod  
**Enumerated domain value definition source** NCDOT - EAU

**Value** dwarf-flowered heartleaf  
**Description** dwarf-flowered heartleaf  
**Enumerated domain value definition source** NCDOT - EAU

**Value** green pitcher plant  
**Description** green pitcher plant  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Heller's blazing star  
**Description** Heller's blazing star  
**Enumerated domain value definition source** NCDOT - EAU

**Value** mountain golden heather  
**Description** mountain golden heather  
**Enumerated domain value definition source** NCDOT - EAU

**Value** mountain sweet pitcher plant

**Description** mountain sweet pitcher plant  
**Enumerated domain value definition source** NCDOT - EAU

**Value** roan mountain bluet  
**Description** roan mountain bluet  
**Enumerated domain value definition source** NCDOT - EAU

**Value** rock gnome lichen  
**Description** rock gnome lichen  
**Enumerated domain value definition source** NCDOT - EAU

**Value** small whorled pogonia  
**Description** small whorled pogonia  
**Enumerated domain value definition source** NCDOT - EAU

**Value** spreading avens  
**Description** spreading avens  
**Enumerated domain value definition source** NCDOT - EAU

**Value** swamp pink  
**Description** swamp pink  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Virginia spiraea  
**Description** Virginia spiraea  
**Enumerated domain value definition source** NCDOT - EAU

**Value** white irisette  
**Description** white irisette  
**Enumerated domain value definition source** NCDOT - EAU

**Value** small-anthered bittercress  
**Description** small-anthered bittercress  
**Enumerated domain value definition source** NCDOT - EAU

**Value** American chaffseed  
**Description** American chaffseed  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Canby's dropwort  
**Description** Canby's dropwort  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Cooley's meadowrue  
**Description** Cooley's meadowrue  
**Enumerated domain value definition source** NCDOT - EAU

**Value** golden sedge  
**Description** golden sedge

**Enumerated domain value definition source** NCDOT - EAU

**Value** Harperella

**Description** Harperella

**Enumerated domain value definition source** NCDOT - EAU

**Value** Michaux's sumac

**Description** Michaux's sumac

**Enumerated domain value definition source** NCDOT - EAU

**Value** Pondberry

**Description** Pondberry

**Enumerated domain value definition source** NCDOT - EAU

**Value** rough-leaf loosestrife

**Description** rough-leaf loosestrife

**Enumerated domain value definition source** NCDOT - EAU

**Value** Schweinitz's sunflower

**Description** Schweinitz's sunflower

**Enumerated domain value definition source** NCDOT - EAU

**Value** seabeach amaranth

**Description** seabeach amaranth

**Enumerated domain value definition source** NCDOT - EAU

**Value** sensitive joint-vetch

**Description** sensitive joint-vetch

**Enumerated domain value definition source** NCDOT - EAU

**Value** smooth coneflower

**Description** smooth coneflower

**Enumerated domain value definition source** NCDOT - EAU

**Value** Indiana bat

**Description** Indiana bat

**Enumerated domain value definition source** NCDOT - EAU

**Value** northern long-eared bat (NLEB)

**Description** northern long-eared bat (NLEB)

**Enumerated domain value definition source** NCDOT - EAU

**Value** Virginia big-eared bat

**Description** Virginia big-eared bat

**Enumerated domain value definition source** NCDOT - EAU

**Value** gray bat

**Description** gray bat

**Enumerated domain value definition source** NCDOT - EAU

**Value** piping plover  
**Description** piping plover  
**Enumerated domain value definition source** NCDOT - EAU

**Value** red knot  
**Description** red knot  
**Enumerated domain value definition source** NCDOT - EAU

**Value** roseate tern  
**Description** roseate tern  
**Enumerated domain value definition source** NCDOT - EAU

**Value** wood stork  
**Description** wood stork  
**Enumerated domain value definition source** NCDOT - EAU

**Value** red-cockaded woodpecker (RCW)  
**Description** red-cockaded woodpecker (RCW)  
**Enumerated domain value definition source** NCDOT - EAU

**Value** bald eagle  
**Description** bald eagle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** red wolf  
**Description** red wolf  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Carolina northern flying squirrel  
**Description** Carolina northern flying squirrel  
**Enumerated domain value definition source** NCDOT - EAU

**Value** West Indian manatee  
**Description** West Indian manatee  
**Enumerated domain value definition source** NCDOT - EAU

**Value** blue whale  
**Description** blue whale  
**Enumerated domain value definition source** NCDOT - EAU

**Value** fin whale  
**Description** fin whale  
**Enumerated domain value definition source** NCDOT - EAU

**Value** North Atlantic right whale  
**Description** North Atlantic right whale  
**Enumerated domain value definition source** NCDOT - EAU

**Value** sei whale  
**Description** sei whale  
**Enumerated domain value definition source** NCDOT - EAU

**Value** sperm whale  
**Description** sperm whale  
**Enumerated domain value definition source** NCDOT - EAU

**Value** green sea turtle  
**Description** green sea turtle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** hawksbill sea turtle  
**Description** hawksbill sea turtle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** Kemp's Ridley sea turtle  
**Description** Kemp's Ridley sea turtle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** leatherback sea turtle  
**Description** leatherback sea turtle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** loggerhead sea turtle  
**Description** loggerhead sea turtle  
**Enumerated domain value definition source** NCDOT - EAU

**Value** St. Francis Satyr Butterfly  
**Description** St. Francis Satyr Butterfly  
**Enumerated domain value definition source** NCDOT - EAU

**Value** rusty-patched bumble bee  
**Description** rusty-patched bumble bee  
**Enumerated domain value definition source** NCDOT - EAU

**Value** spruce-fir moss spider  
**Description** spruce-fir moss spider  
**Enumerated domain value definition source** NCDOT - EAU

**Value** noonday snail  
**Description** noonday snail  
**Enumerated domain value definition source** NCDOT - EAU

**Value** American alligator  
**Description** American alligator  
**Enumerated domain value definition source** NCDOT - EAU

**Value** bog turtle

**Description** bog turtle

**Enumerated domain value definition source** NCDOT - EAU

**Beginning date of values** 2019-02-01

### Field HabitatCom

**Alias** HabitatCom

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

### Field ContName

**Alias** ContractorName

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

### Field description

Internal Field for name of Contractor that collected and produced the data. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

### Description source

NCDOT

**Beginning date of values** 2019-02-01

### Field DocURL

**Alias** DocumentURL

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

### Field description

Document URL for SharePoint. Internal Field for Document URL for location on SharePoint. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

### Description source

NCDOT

**Beginning date of values** 2019-02-01

### Field DateCreate

**Alias** DateCreated

**Data type** Date  
**Width** 8  
**Precision** 0  
**Scale** 0

### Field description

Date shapefile was compiled

### Description source

NCDOT

### Range of values

**Minimum value** 2019

**Maximum value** 3000

**Beginning date of values** 2019-02-01

## Field SurveyDate

**Alias** SurveyedDate

**Data type** Date

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Date Survey conducted for element occurrence

### Description source

NCDOT

## Field FirstObs

**Alias** FirstObserved

**Data type** Date

**Width** 8

**Precision** 0

**Scale** 0

### Field description

Date element occurrence was first observed

### Description source

NCDOT

## Field SurveySite

**Alias** SurveySite

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

**Field description**

Description of Survey site

**Description source**

NCDOT

**Field EOData**

**Alias** EODataDesc

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

**Field description**

Element Occurrence data description

**Description source**

NCDOT

**Field Surveyors**

**Alias** Surveyors

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

**Field description**

Names of surveyors

**Description source**

NCDOT

**Field GenDesc**

**Alias** GenDesc

**Data type** String

**Width** 254

**Precision** 0

**Scale** 0

**Field description**

Any other general description

**Description source**

NCDOT

### Field GlobalID

**Alias** GlobalID  
**Data type** GlobalID  
**Width** 38  
**Precision** 0  
**Scale** 0

### Field ProjURL

**Alias** ProjectURL  
**Data type** String  
**Width** 254  
**Precision** 0  
**Scale** 0

#### Field description

Internal Field for Sharepoint folder location URL. This field is automatically populated by an ATLAS script and is for internal use only. Any data entered into this field will be overwritten.

#### Description source

NCDOT

### Field Shape.STArea()

**Alias** Shape.STArea()  
**Data type** Double  
**Width** 0  
**Precision** 0  
**Scale** 0

### Field Shape.STLength()

**Alias** Shape.STLength()  
**Data type** Double  
**Width** 0  
**Precision** 0  
**Scale** 0

## 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** 2025-12-10

## 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** 2025-11-03 18:14:23

**Last modified in ArcGIS for the item** 2025-12-10 14:03:51

## Automatic updates

**Have been performed** Yes

**Last update** 2025-12-10 14:03:51

## Metadata Contacts

### Metadata contact - point of contact

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

#### Contact information

##### Phone

**Voice** 919-707-6146

##### Address

**Type** physical

**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

##### 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.

## Metadata Maintenance

### Maintenance

**Update frequency** as needed

### Maintenance contact - originator

**Organization's name** North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

**Contact's position** Environmental Program Consultant

#### Contact information

## Phone

**Voice** 919-707-6146

## Address

**Type** physical

**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

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## 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 Natural Resources Technical Report 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.

## Constraints

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## Thumbnail and Enclosures

### Thumbnail

## Thumbnail type

Image file