

# NC Portal Access to Wildlife Systems (PAWS) Survey Points, March 2023 - NC Department of Transportation

## File Geodatabase Feature Class



### Tags

NCPAWS, PAWS, Portal Access to Wildlife Systems, Survey points, NCWRC PAWS, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

### Summary

This dataset was originally created in July 2019 and updated in January 2023 as part of the Project ATLAS initiative at NCDOT to support the Environmental Analysis Unit (EAU) with project delivery in the development phase. The NC Portal Access to Wildlife Systems (PAWS) dataset is used by the North Carolina Wildlife Resources Commission (NCWRC) to record and track wildlife occurrences in North Carolina.

This dataset supports the production of the Natural Resources Technical Report (NRTR). This dataset also contains information that may assist permitted wildlife biologists in preparing background information for field surveys, in order to address protected species for Threatened & Endangered Species Survey Reports, and/or Biological Assessments.

### Description

The NC PAWS dataset is a statewide point layer depicting survey locations for surveys conducted by biologists throughout the survey season. The data is current as of September 2022.

Datasets developed under Project ATLAS do not replace any NRTR 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

The Environmental Analysis Unit (EAU) Mitigation and Modeling Unit within NCDOT was tasked to create this dataset. This dataset supports the production of the Natural Resources Technical Report (NRTR). Quarterly maintenance of this dataset is handled by the EAU.

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.

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### Extent

**West** -84.395395 **East** -75.886618  
**North** 36.599665 **South** 33.812745

## 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 geoscientificInformation, 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 2019-07-26 00:00:00  
PUBLICATION DATE 2023-03-01 00:00:00

*Hide Thesaurus ▲*

THEME KEYWORDS NCPAWS, PAWS, Portal Access to Wildlife Systems, Survey points, NCWRC PAWS, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

### THESAURUS ▶

TITLE User  
CREATION DATE 2019-07-26 00:00:00  
PUBLICATION DATE 2023-03-01 00:00:00

*Hide Thesaurus ▲*

*Hide Topics and Keywords ▲*

## Citation ▶

TITLE NC Portal Access to Wildlife Systems (PAWS) Survey Points, March 2023 - NC Department of Transportation

CREATION DATE 2019-07-26 00:00:00  
PUBLICATION DATE 2023-03-01 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 point of contact

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](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 ▲*

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CONTACT'S ROLE originator

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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 919-707-6146

### ADDRESS

TYPE **physical**

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[Hide Contact information ▲](#)

[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

The Environmental Analysis Unit (EAU) Mitigation and Modeling Unit within NCDOT was tasked to create this dataset. This dataset supports the production of the Natural Resources Technical Report (NRTR). Quarterly maintenance of this dataset is handled by the EAU.

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 2023-01-27 00:00:00

ENDING DATE 2023-01-27 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -84.395395

\* EAST LONGITUDE -75.886618

\* NORTH LATITUDE 36.599665

\* SOUTH LATITUDE 33.812745

\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 414348.927302

\* EAST LONGITUDE 2914389.644402

\* SOUTH LATITUDE 64549.008564

\* NORTH LATITUDE 1037219.893927

\* 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 originator

CONTACT INFORMATION ►

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VOICE 919-707-6146

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[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

#### OTHER MAINTENANCE REQUIREMENTS

Maintenance of this dataset is handled by the Environmental Analysis Unit (EAU) Mitigation and Modeling Unit. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

#### MAINTENANCE CONTACT

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

#### CONTACT INFORMATION ►

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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

##### LIMITATIONS OF USE

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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 3048.0060960121928  
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 NCPAWSSurveyPoints

- \* OBJECT TYPE point

\* OBJECT COUNT 198348

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME NCPAWSSurveyPoints

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Point

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 198348

\* 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 2019-07-26 00:00:00

PUBLICATION DATE 2020-12-01 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 **2019-07-26 00:00:00**  
PUBLICATION DATE **2020-12-01 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. Overlapping points were found and verified.

CONFORMANCE TEST RESULTS

TEST PASSED **Yes**  
RESULT EXPLANATION  
**Pass**

PRODUCT SPECIFICATION ▶

TITLE **NCDOT Geospatial Data Specifications**  
CREATION DATE **2019-07-26 00:00:00**  
PUBLICATION DATE **2020-12-01 00:00:00**

*Hide Product specification ▲*

*Hide Data quality report - Quantitative attribute accuracy ▲*

*Hide Data Quality ▲*

**Lineage** ▶

LINEAGE STATEMENT

Survey points were downloaded from the NCPAWS website. These points are entered by biologists after conducting a survey.

April 2020 Update:

New data points were added via a table export from the NCPAWS database.

January 2023 Update:

New fields were added in this update:

UniqID

QCMethod  
PermitNumber  
Individual Data Entered  
Individual Number  
Individual Comment  
Height  
TagNumber

PROCESS STEP ▶

DESCRIPTION

Point data was reviewed in ESRI's Data Reviewer tool to verify geometry. Overlapping points were found and verified.

PROCESS CONTACT

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

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6146

ADDRESS

TYPE physical

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

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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 originator

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[Hide Process step ▲](#)

PROCESS STEP ►

DESCRIPTION

Excel tables were downloaded from [www.ncpaws.org](http://www.ncpaws.org). XY Event Layers were created in ArcMap based on the Latitude and Longitude fields, along with the Datum field. Separate layers were created for each datum within the dataset. Records missing the Datum attribute were assumed to be in WGS84. Separate event layers were also created using the End Latitude and End Longitude fields, which correspond to the survey end locations. The event layers were merged into the NCPAWS and NCPAWS\_survey\_ends feature classes. Records missing coordinate information were removed.

PROCESS CONTACT

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

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CONTACT'S ROLE originator

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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 919-707-6146

##### ADDRESS

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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 [NCPAWSSurveyPoints](#) ►

\* TYPE Feature Class

\* ROW COUNT 198348

DEFINITION

Dataset to record and track wildlife occurrences in North Carolina

DEFINITION SOURCE

NCDOT

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 SiteNo ►

ALIAS SiteNumber

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

NCWRC number uniquely identifying place, date, and lead biologist of survey (year, month, day, site number, lead biologist initials) ex: 190801.1bkj

DESCRIPTION SOURCE

NCDOT

[Hide Field SiteNo ▲](#)

FIELD [ObsDate ▶](#)

ALIAS ObservationDate

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Date site was surveyed as mm/dd/yyyy

DESCRIPTION SOURCE

NCDOT

[Hide Field ObsDate ▲](#)

FIELD [Project ▶](#)

\* ALIAS Project

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Project for which site was surveyed

DESCRIPTION SOURCE

NCDOT

[Hide Field Project ▲](#)

FIELD [Category ▶](#)

\* ALIAS Category

\* DATA TYPE String

\* WIDTH 75

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Project subcategory

DESCRIPTION SOURCE

NCDOT

[Hide Field Category ▲](#)

FIELD [Collectors ▶](#)

\* ALIAS Collectors

\* DATA TYPE String

\* WIDTH 282

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Person(s) present during the survey

DESCRIPTION SOURCE

NCDOT

[Hide Field Collectors ▲](#)

FIELD [State ▶](#)

- \* ALIAS State
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Abbreviated U.S. state in which site occurs

DESCRIPTION SOURCE

NCDOT

[Hide Field State ▲](#)

FIELD [RiverBasin ▶](#)

- ALIAS RiverBasin
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

River Basin in which site occurs (major basin, e.g., Neuse, Roanoke, Chowan etc.)

DESCRIPTION SOURCE

NCDOT

[Hide Field RiverBasin ▲](#)

FIELD [Waterway ▶](#)

- \* ALIAS Waterway
- \* DATA TYPE String
- \* WIDTH 200
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Name of stream, river, pond, lake, etc. that was surveyed

DESCRIPTION SOURCE

NCDOT

[Hide Field Waterway ▲](#)

FIELD [WaterType ▶](#)

- ALIAS WaterType
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Type of waterbody (stream, river, pond, lake, reservoir, channel, ditch, swamp, wetland etc.)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Channel

DESCRIPTION Channel

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Lake

DESCRIPTION Lake

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Pond

DESCRIPTION Pond

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Reservoir

DESCRIPTION Reservoir

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE River

DESCRIPTION River

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Roadside ditch

DESCRIPTION Roadside ditch

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Stream

DESCRIPTION Stream

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Swamp

DESCRIPTION Swamp

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Swampy stream

DESCRIPTION Swampy stream

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Wetland

DESCRIPTION Wetland

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field WaterType ▲*

FIELD County ►

\* ALIAS County

\* DATA TYPE String

\* WIDTH 40

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

County in which site occurs

DESCRIPTION SOURCE

NCDOT

*Hide Field County ▲*



FIELD [CommonLoc](#) ▶

ALIAS CommonLocation

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Common location (usually road name but can be other descriptive information as well)

DESCRIPTION SOURCE

NCDOT

[Hide Field CommonLoc](#) ▲

FIELD [RoadNo](#) ▶

ALIAS RoadNumber

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Number identifying road (e.g., 1203, 23, 64, 40)

DESCRIPTION SOURCE

NCDOT

[Hide Field RoadNo](#) ▲

FIELD [SiteComm](#) ▶

ALIAS SiteComment

\* DATA TYPE String

\* WIDTH 760

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Any additional comments or other information that does not fit in any other fields

DESCRIPTION SOURCE

NCDOT

[Hide Field SiteComm](#) ▲

FIELD [Latitude](#) ▶

\* ALIAS Latitude

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Latitude at beginning location of survey

DESCRIPTION SOURCE

NCDOT

[Hide Field Latitude ▲](#)

FIELD Longitude ►

- \* ALIAS Longitude
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Longitude at beginning location of survey

DESCRIPTION SOURCE

NCDOT

[Hide Field Longitude ▲](#)

FIELD EndLat ►

- \* ALIAS End Latitude
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Latitude at ending location of survey (e.g., for canoe trips or otherwise long segments)

DESCRIPTION SOURCE

NCDOT

[Hide Field EndLat ▲](#)

FIELD EndLong ►

- \* ALIAS End Longitude
- \* DATA TYPE Double
- \* WIDTH 8
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Longitude at ending location of survey (e.g., for canoe trips or otherwise long segments)

DESCRIPTION SOURCE

NCDOT

[Hide Field EndLong ▲](#)

FIELD Datum ►

- \* ALIAS Datum
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The geographical coordinate system used to collect location information (e.g. WGS84)

DESCRIPTION SOURCE

NCDOT

[Hide Field Datum ▲](#)

FIELD [TotTime ▶](#)

ALIAS TotalTime

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Total time (person-hours) spent searching at site

DESCRIPTION SOURCE

NCDOT

[Hide Field TotTime ▲](#)

FIELD [EshockTime ▶](#)

ALIAS ElectroshockTime

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Time spent electroshocking (seconds)

DESCRIPTION SOURCE

NCDOT

[Hide Field EshockTime ▲](#)

FIELD [MusselSrchTime ▶](#)

ALIAS MusselSearchTime

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Time spent searching only for mussels (person-hours)

DESCRIPTION SOURCE

NCDOT

[Hide Field MusselSrchTime ▲](#)

FIELD [NoOfTrapNights ▶](#)

ALIAS NumberOfTrapNights

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Number of trap-nights set at site (number of minnow/pitall traps x number of nights)

DESCRIPTION SOURCE

NCDOT

[Hide Field NoOfTrapNights ▲](#)

FIELD [SeineHauls ▶](#)

ALIAS SeineHauls

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

total number of times a seine net was used to survey a site

DESCRIPTION SOURCE

NCDOT

[Hide Field SeineHauls ▲](#)

FIELD [NoOfQuadrats ▶](#)

ALIAS NumberOfQuadrats

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Total number of quadrats surveyed; A quadrat is a square frame (typically 1 or 1/2 square meter) that is placed on the bottom of the streambed to define a search area.

DESCRIPTION SOURCE

NCDOT

[Hide Field NoOfQuadrats ▲](#)

FIELD [MinDepth ▶](#)

ALIAS MinimumDepth

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

minimum depth of water observed within a survey site in meters (m)

DESCRIPTION SOURCE

NCDOT

[Hide Field MinDepth ▲](#)

FIELD [MaxDepth ▶](#)

ALIAS MaximumDepth

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

maximum depth of water observed within a survey site in meters (m)

DESCRIPTION SOURCE

NCDOT

*Hide Field MaxDepth ▲*

FIELD AvgDepth ►

ALIAS AverageDepth

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

average depth of water observed within a survey site in meters (m)

DESCRIPTION SOURCE

NCDOT

*Hide Field AvgDepth ▲*

FIELD DominantSubstrate ►

ALIAS DominantSubstrate

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

most abundant type of substrate observed within a survey site

DESCRIPTION SOURCE

NCDOT

*Hide Field DominantSubstrate ▲*

FIELD SubdominantSubstrate ►

ALIAS SubdominantSubstrate

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

second most abundant type of substrate observed within a survey site

DESCRIPTION SOURCE

NCDOT

*Hide Field SubdominantSubstrate ▲*

FIELD Compactness ►

\* ALIAS Compactness

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Degree of compactness of substrate (compact, normal, unconsolidated)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE compact

DESCRIPTION compact

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE normal

DESCRIPTION normal

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE unconsolidated

DESCRIPTION unconsolidated

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field Compactness ▲*

FIELD [WoodDeb ►](#)

ALIAS WoodDebris

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Degree of woody debris (low, average, high)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE low

DESCRIPTION low

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE average

DESCRIPTION average

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE high

DESCRIPTION high

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field WoodDeb ▲*

FIELD [BeaverAct ►](#)

ALIAS BeaverActivity

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Describes evidence of beaver in the vicinity (dams in stream, dams in floodplain, evidence (gnawed sticks), none)

DESCRIPTION SOURCE

NCDOT

*Hide Field BeaverAct ▲*

FIELD SandBar ►

ALIAS SandBar

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Degree of sand/gravel bars (none, present, rare, common, abundant)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE none

DESCRIPTION none

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE present

DESCRIPTION present

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE rare

DESCRIPTION rare

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE common

DESCRIPTION common

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE abundant

DESCRIPTION abundant

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field SandBar ▲*

FIELD BankStb ►

ALIAS BankStability

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Degree of stability of banks (very stable, some erosion/undercutting/unstable/stabilization present)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Man-made stabalization present

DESCRIPTION Man-made stabalization present

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Some erosion/undercutting

DESCRIPTION Some erosion/undercutting  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Unstable  
DESCRIPTION Unstable  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Very stable  
DESCRIPTION Very stable  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field BankStb ▲](#)

#### FIELD Flow ▶

- \* ALIAS Flow
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

#### FIELD DESCRIPTION

Type of flow (run, riffle, slack, pool, combinations of these)

DESCRIPTION SOURCE  
NCDOT

[Hide Field Flow ▲](#)

#### FIELD StrWidth ▶

- ALIAS StreamWidth
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

#### FIELD DESCRIPTION

Width (m) of stream and channel; mean or range (stream width/channel width)

DESCRIPTION SOURCE  
NCDOT

[Hide Field StrWidth ▲](#)

#### FIELD BankHt ▶

- ALIAS BankHeight
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

#### FIELD DESCRIPTION

Height (m) of banks; mean or range

DESCRIPTION SOURCE  
NCDOT

[Hide Field BankHt ▲](#)



FIELD DOxygen ►

ALIAS DOxygen

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Dissolved oxygen content of water (mg/L)

DESCRIPTION SOURCE

NCDOT

*Hide Field DOxygen ▲*

FIELD WaterTemp ►

ALIAS WaterTemperature

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Temperature of water; (C)

DESCRIPTION SOURCE

NCDOT

*Hide Field WaterTemp ▲*

FIELD pH ►

\* ALIAS pH

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

pH of water

DESCRIPTION SOURCE

NCDOT

*Hide Field pH ▲*

FIELD Secchi ►

ALIAS SecchiReading

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Secchi disc reading used to gauge turbidity measured in feet (ft)

DESCRIPTION SOURCE

NCDOT

[Hide Field Secchi ▲](#)

FIELD **Conductivity** ▶

- \* ALIAS Conductivity
- \* DATA TYPE String
- \* WIDTH 20
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Conductivity of water measuring the water's ability to conduct electricity in microSiemens (uS/cm)

DESCRIPTION SOURCE

NCDOT

[Hide Field Conductivity ▲](#)

FIELD **WaterLev** ▶

- ALIAS WaterLevel
- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Water level, indicating periods of flooding or dryness (normal, low, high, dry)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Dry

DESCRIPTION Dry

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE High

DESCRIPTION High

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Low

DESCRIPTION Low

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Normal

DESCRIPTION Normal

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field WaterLev ▲](#)

FIELD **Visibility** ▶

- \* ALIAS Visibility
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

Water clarity and visibility (light tannic, dark tannic, clear, turbid, slightly turbid, combinations of these)

DESCRIPTION SOURCE

NCDOT

[Hide Field Visibility ▲](#)

FIELD PercCover ►

ALIAS PercentCover

\* DATA TYPE String

\* WIDTH 30

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Percent cover over waterbody (from tree canopy); mean or range

DESCRIPTION SOURCE

NCDOT

[Hide Field PercCover ▲](#)

FIELD BufferWid ►

ALIAS BufferWidth

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Width of buffer around waterway (none, narrow, moderate, wide, combination of these)

DESCRIPTION SOURCE

NCDOT

[Hide Field BufferWid ▲](#)

FIELD RiparianVeg ►

ALIAS RiparianVegetation

\* DATA TYPE String

\* WIDTH 100

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Types of riparian vegetation present (wooded, grass, shrub-brush, marsh, other, combination of these)

DESCRIPTION SOURCE

NCDOT

[Hide Field RiparianVeg ▲](#)

FIELD LandUse ►

ALIAS LandUse

\* DATA TYPE String

\* WIDTH 100

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Type of land uses occurring around waterway (natural, active crop, active pasture, timber, urban, rural, road, combination of these)

DESCRIPTION SOURCE

NCDOT

[Hide Field LandUse ▲](#)

FIELD TaxaType ►

ALIAS TaxaType

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Type of taxon of organism (mussel, snail, limpet, crayfish, shrimp, fish, etc.)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Clam

DESCRIPTION Clam

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Crayfish

DESCRIPTION Crayfish

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Fish

DESCRIPTION Fish

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Mussel

DESCRIPTION Mussel

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Snail

DESCRIPTION Snail

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Other

DESCRIPTION Other

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field TaxaType ▲](#)

FIELD SciName ►

ALIAS ScientificName

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Scientific name of organism

DESCRIPTION SOURCE  
NCDOT

[Hide Field SciName ▲](#)

FIELD [CommName ▶](#)

ALIAS CommonName

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Common name of organism

DESCRIPTION SOURCE  
NCDOT

[Hide Field CommName ▲](#)

FIELD [NoObserved ▶](#)

ALIAS NumberObserved

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Number of live individuals observed

DESCRIPTION SOURCE  
NCDOT

[Hide Field NoObserved ▲](#)

FIELD [NoOfShells ▶](#)

ALIAS NumberOfShells

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Number of shells observed

DESCRIPTION SOURCE  
NCDOT

[Hide Field NoOfShells ▲](#)

FIELD [Abundance ▶](#)

\* ALIAS Abundance

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Relative abundance of organism at site, given amount of time spent searching (abundant, common, uncommon, rare, patchy of each)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Abundant

DESCRIPTION Abundant

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Common

DESCRIPTION Common

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Patchy abundant

DESCRIPTION Patchy abundant

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Patchy common

DESCRIPTION Patchy common

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Patchy rare

DESCRIPTION Patchy rare

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Patchy uncommon

DESCRIPTION Patchy uncommon

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Present

DESCRIPTION Present

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Rare

DESCRIPTION Rare

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Uncommon

DESCRIPTION Uncommon

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field Abundance ▲*

FIELD Recruitment ►

\* ALIAS Recruitment

\* DATA TYPE String

\* WIDTH 10

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Yes or No observations of new progeny indicating an increasing population

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Yes  
DESCRIPTION Yes  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE No  
DESCRIPTION No  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field Recruitment ▲](#)

FIELD [CollMethod ▶](#)

ALIAS CollectionMethod

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Method or technique of survey (dipnet, electroshock, visual, tactile, snorkel, trap, etc.)

DESCRIPTION SOURCE

NCDOT

[Hide Field CollMethod ▲](#)

FIELD [IdentifiedBy ▶](#)

ALIAS IdentifiedBy

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Person(s) that identified the organism

DESCRIPTION SOURCE

NCDOT

[Hide Field IdentifiedBy ▲](#)

FIELD [Habitat ▶](#)

\* ALIAS Habitat

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Habitat (or substrate) in which organism was found or is associated with

DESCRIPTION SOURCE

NCDOT

[Hide Field Habitat ▲](#)

FIELD [Comment ▶](#)

\* ALIAS Comment

\* DATA TYPE String

\* WIDTH 1000

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

general comments about the species record (e.g. where individual was observed, if specimen was vouchered)

DESCRIPTION SOURCE

NCDOT

[Hide Field Comment ▲](#)

FIELD Storage ►

\* ALIAS Storage

\* DATA TYPE String

\* WIDTH 150

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Name of collection where specimens are saved (e.g. WRC Central Region Reference Collection, NC State Museum of Natural Sciences)

DESCRIPTION SOURCE

NCDOT

[Hide Field Storage ▲](#)

FIELD CatalogNumber ►

ALIAS CatalogNumber

\* DATA TYPE String

\* WIDTH 100

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

cataloging number assigned to a collected specimen as part of a collection (e.g. 100445; NC State Museum of Natural Sciences)

DESCRIPTION SOURCE

NCDOT

[Hide Field CatalogNumber ▲](#)

FIELD FedStatus ►

ALIAS FederalStatus

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Federal-level conservation status of species (no information for many species)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Candidate



DESCRIPTION Candidate  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Species of Concern  
DESCRIPTION Species of Concern  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Endangered  
DESCRIPTION Endangered  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Threatened  
DESCRIPTION Threatened  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field FedStatus ▲*

FIELD **StateStatus ▶**

- \* ALIAS State Status
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

State-level conservation status of species (no information for many species)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Endangered  
DESCRIPTION Endangered  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Significantly Rare (NHP)  
DESCRIPTION Significantly Rare (NHP)  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Special Concern  
DESCRIPTION Special Concern  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Threatened  
DESCRIPTION Threatened  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Watch List (NHP)  
DESCRIPTION Watch List (NHP)  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field StateStatus ▲*

FIELD **Demographic ▶**

- \* ALIAS Demographic
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

sex of the species observed (e.g. Male, Female, Unknown)

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Male

DESCRIPTION Male

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Female

DESCRIPTION Female

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Unknown

DESCRIPTION Unknown

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

*Hide Field Demographic ▲*

FIELD LiveSample ►

ALIAS LiveSample

\* DATA TYPE SmallInteger

\* WIDTH 2

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

number of individuals vouchered as specimen

DESCRIPTION SOURCE

NCDOT

*Hide Field LiveSample ▲*

FIELD Length ►

\* ALIAS Length

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

length (mm) of an individual

DESCRIPTION SOURCE

NCDOT

*Hide Field Length ▲*

FIELD Width ►

\* ALIAS Width

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Width (mm) of an individual

DESCRIPTION SOURCE  
NCDOT

[Hide Field Width ▲](#)

FIELD **Mass** ▶

- \* ALIAS **Mass**
- \* DATA TYPE **Double**
- \* WIDTH **8**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

weight (g) of an individual; usually used for fish

DESCRIPTION SOURCE  
NCDOT

[Hide Field Mass ▲](#)

FIELD **PostorbitalCarapaceLgth** ▶

- ALIAS **StandardLengthPostorbitalCarapaceLength**
- \* DATA TYPE **String**
- \* WIDTH **50**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

distance from orbit to mid-caudodorsal (posterior) margin of carapace in millimeters (mm); applies to crayfish species

DESCRIPTION SOURCE  
NCDOT

[Hide Field PostorbitalCarapaceLgth ▲](#)

FIELD **TagStatus** ▶

- ALIAS **TagStatus**
- \* DATA TYPE **String**
- \* WIDTH **255**
- \* PRECISION **0**
- \* SCALE **0**

FIELD DESCRIPTION

information about tag (e.g. "new tag"); RARELY used

DESCRIPTION SOURCE  
NCDOT

[Hide Field TagStatus ▲](#)

FIELD **RightValveTag** ▶

- ALIAS **RightValveTag**
- \* DATA TYPE **String**
- \* WIDTH **20**
- \* PRECISION **0**

\* SCALE 0

FIELD DESCRIPTION

tag number established on the right valve of a bivalve

DESCRIPTION SOURCE

NCDOT

[Hide Field RightValveTag ▲](#)

FIELD [RightValveColor ▶](#)

ALIAS RightValveColor

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

tag color used on the right valve of a bivalve

DESCRIPTION SOURCE

NCDOT

[Hide Field RightValveColor ▲](#)

FIELD [LeftValveTag ▶](#)

ALIAS LeftValveTag

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

tag number established on the left valve of a bivalve

DESCRIPTION SOURCE

NCDOT

[Hide Field LeftValveTag ▲](#)

FIELD [LeftValveColor ▶](#)

ALIAS LeftValveColor

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

tag color used on the left valve of a bivalve

DESCRIPTION SOURCE

NCDOT

[Hide Field LeftValveColor ▲](#)

FIELD [CreatedBy ▶](#)

ALIAS CreatedBy

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

name of individual that created the record

DESCRIPTION SOURCE

NCDOT

*Hide Field CreatedBy ▲*

FIELD CreateDate ►

ALIAS CreateDate

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

date record was created in PAWS

DESCRIPTION SOURCE

NCDOT

*Hide Field CreateDate ▲*

FIELD LastModifiedBy ►

ALIAS LastModifiedBy

\* DATA TYPE String

\* WIDTH 255

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

name of individual (NCWRC Representative) that reviewed the record

DESCRIPTION SOURCE

NCDOT

*Hide Field LastModifiedBy ▲*

FIELD LastModifiedDate ►

ALIAS LastModifiedDate

\* DATA TYPE String

\* WIDTH 20

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

date record was last modified (unless modified, usually same as date of recordation)

DESCRIPTION SOURCE

NCDOT

*Hide Field LastModifiedDate ▲*

FIELD Height ►

\* ALIAS Height

\* DATA TYPE Double

\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0  
FIELD DESCRIPTION  
Height (mm) of an individual

DESCRIPTION SOURCE  
NCDOT

*Hide Field Height ▲*

FIELD IndData ►

\* ALIAS IndividualDataEntered  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Data entered for individual

DESCRIPTION SOURCE  
NCDOT

*Hide Field IndData ▲*

FIELD IndNumber ►

\* ALIAS IndividualNumber  
\* DATA TYPE Double  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Number for individual

DESCRIPTION SOURCE  
NCDOT

*Hide Field IndNumber ▲*

FIELD TagNumber ►

\* ALIAS TagNumber  
\* DATA TYPE String  
\* WIDTH 50  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Tag Number for individual

DESCRIPTION SOURCE  
NCDOT

*Hide Field TagNumber ▲*

FIELD PermitNo ►

\* ALIAS PermitNumber

\* DATA TYPE String  
\* WIDTH 50  
\* PRECISION 0  
\* SCALE 0  
FIELD DESCRIPTION  
Survey Permit Number

DESCRIPTION SOURCE  
NCDOT

[Hide Field PermitNo ▲](#)

FIELD UniqID ►

\* ALIAS UniqueNumber  
\* DATA TYPE Integer  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
Unique identifier calculated for every point

DESCRIPTION SOURCE  
NCDOT

[Hide Field UniqID ▲](#)

FIELD QCMethod ►

\* ALIAS QCMethod  
\* DATA TYPE String  
\* WIDTH 50  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION  
QC Method determines whether each point is a direct county match, 120 foot buffer match or no match. No Matches are removed from the feature class.

DESCRIPTION SOURCE  
NCDOT

LIST OF VALUES

VALUE direct county match  
DESCRIPTION direct county match  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE 120 foot buffer match  
DESCRIPTION 120 foot buffer match  
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field QCMethod ▲](#)

FIELD IndComment ►

\* ALIAS IndComment  
\* DATA TYPE String  
\* WIDTH 1000  
\* PRECISION 0  
\* SCALE 0

FIELD DESCRIPTION

## Comment for individual

DESCRIPTION SOURCE  
NCDOT

[Hide Field IndComment ▲](#)

[Hide Details for object NCPAWSSurveyPoints ▲](#)

[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 2023-12-01

### 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 14:13:04  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-12-01 14:38:54

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2023-12-01 14:38:54

[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 919-707-6146

### 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.

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## Metadata Maintenance ►

#### MAINTENANCE

UPDATE FREQUENCY as needed

#### OTHER MAINTENANCE REQUIREMENTS

Maintenance of this dataset is handled by the Environmental Analysis Unit (EAU) Mitigation and Modeling Unit. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

#### MAINTENANCE CONTACT

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

#### 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](mailto:ATLAS@ncdot.gov)

##### HOURS OF SERVICE

9:00am – 5:00pm Monday - Friday

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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 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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