

NC Portal Access to Wildlife Systems (PAWS) Survey Points, December 2024 - NC Department of Transportation

Geodatabase Feature Class



Tags

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

Summary

This dataset was originally created in July 2019 and updated in January 2023 and July 2024 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 is mainly for NCDOT Biological Survey Group internal use.

Description

The NC PAWS dataset is a statewide point layer depicting start and stop survey locations for aquatic surveys conducted by biologists throughout the survey season. The data has 86 attribute fields and documents the details of each aquatic species occurrence. The data is current as of July 2024 (NCPAWS query result data pull) and "permit data" as of July 1, 2023 (per Rachael Hoch: WRC issues with data storage of permit data).

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 -84.919458

East -75.846374

North 37.621368

South 32.983916

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:625,000

Topics and Keywords

Themes or categories of the resource Geoscientific, Location, Transportation, Environment

Content type Downloadable Data

Export to FGDC CSDGM XML format as Resource Description No

Theme keywords NCPAWS, PAWS, Portal Access to Wildlife Systems, Survey points, Aquatics, Species, Survey, NCWRC PAWS, North Carolina Wildlife Resources Commission, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

Thesaurus

Title User

Creation date 2023-07-10 00:00:00

Publication date 2024-12-16 00:00:00

Place keywords North Carolina

Thesaurus

Title User

Creation date 2024-07-10 00:00:00

Publication date 2024-12-16 00:00:00

Citation

Title NC Portal Access to Wildlife Systems (PAWS) Survey Points, December 2024 - NC Department of Transportation

Creation date 2024-07-10 00:00:00

Publication date 2024-12-16 00:00:00

Presentation formats digital map

Citation Contacts

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

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

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Responsible party - resource provider

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

Contact's position Environmental Program Consultant

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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

Credits

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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 2024-07-10 00:00:00

Ending date 2024-07-10 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

West longitude -84.919458

East longitude -75.846374

North latitude 37.621368

South latitude 32.983916

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 282201.023619

eastBL 2914390.256605

southBL -230404.956645

northBL 1409381.997698

exTypeCode Yes

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 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 - 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

Delivery point Century Center Building B, 1020 Birch Ridge Drive

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

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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["North_American_Datum_1983",SPHEROID["Clarke_1866",6379949.495,0],UNIT["Feet",0.3048],PRIMEM["Greenwich",0],AUTHORITY["EPSG",31470]],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",34.33333333333334],PARAMETER["False_Easting",1000000],PARAMETER["False_Northing",0],UNIT["Feet",0.3048],AUTHORITY["EPSG",31470]]]

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.NCPAWSSurveyPoints

Object type point

Object count 214149

ArcGIS Feature Class Properties

Feature class name GdbGisuPubC.ATLAS.NCPAWSSurveyPoints

Feature type Simple

Geometry type Point
Has topology FALSE
Feature count 214149
Spatial index TRUE
Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Completeness omission

Data quality measure reference

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

Data quality report - Conceptual consistency

Data quality measure reference

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

Data quality report - Quantitative attribute accuracy

Data quality measure reference

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

Lineage

Lineage statement

Aquatic survey points were downloaded from the NCPAWS website. These points are entered by biologists before during or after conducting aquatic surveys. Quality control on geometry was completed which identified records where the latitude and longitude were incorrect and/or null. Poor geometry and null latitude and longitude survey points were excluded, and WRC was notified of these inconsistencies. Points were collected in different datums, and points were re-projected to all be in the NAD 83 State Plane US Survey Feet. All aquatic survey points in North Carolina and outside the of North Carolina have been included.

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

December 2024 update:

No new fields were added

Process step

Description

Excel tables were downloaded from 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 - 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**

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

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Process step**Description**

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

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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subject line in an email.

Process step

Description

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

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

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.NCPAWSSurveyPoints

Type Feature Class
Row count 214149

Definition

Dataset to record and track wildlife occurrences in North Carolina

Definition source

NCDOT

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 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 SiteNo

Alias SiteNumber

Data type String

Width 60

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

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

Field Project

Alias Project

Data type String

Width 84

Precision 0

Scale 0

Field description

Project for which site was surveyed

Description source

NCDOT

Field Category

Alias Category

Data type String

Width 144

Precision 0

Scale 0

Field description

Project subcategory

Description source

NCDOT

Field Collectors

Alias Collectors

Data type String

Width 598

Precision 0

Scale 0

Field description

Person(s) present during the survey

Description source

NCDOT

Field State

Alias State

Data type String

Width 4

Precision 0

Scale 0

Field description

Abbreviated U.S. state in which site occurs

Description source

NCDOT

Field RiverBasin

Alias RiverBasin

Data type String

Width 32

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field Waterway

Alias Waterway

Data type String

Width 100

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field WaterType

Alias WaterType

Data type String

Width 28

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field County

Alias County

Data type String

Width 70

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field CommonLoc

Alias CommonLocation

Data type String

Width 150

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field RoadNo

Alias RoadNumber

Data type String

Width 70

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field SiteComm

Alias SiteComment

Data type String

Width 1584

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field Latitude

Alias Latitude

Data type Double

Width 8

Precision 38

Scale 8

Field description

Latitude at beginning location of survey

Description source

NCDOT

Field Longitude

Alias Longitude

Data type Double

Width 8

Precision 38

Scale 8

Field description

Longitude at beginning location of survey

Description source

NCDOT

Field EndLat

Alias EndLatitude

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field EndLong

Alias EndLongitude

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field Datum

Alias Datum

Data type String

Width 10

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field TotTime

Alias TotalTime

Data type Double

Width 8

Precision 38

Scale 8

Field description

Total time (person-hours) spent searching at site

Description source

NCDOT

Field EshockTime

Alias ElectroshockTime

Data type Double

Width 8

Precision 38

Scale 8

Field description

Time spent electroshocking (seconds)

Description source

NCDOT

Field MusselSrchTime

Alias MusselSearchTime

Data type Double

Width 8

Precision 38

Scale 8

Field description

Time spent searching only for mussels (person-hours)

Description source

NCDOT

Field NoOfTrapNights

Alias NoofTrapLights

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field SeineHauls

Alias SeineHauls

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field NoOfQuadrats

Alias NumberOfQuadrants

Data type Double

Width 8

Precision 38

Scale 8

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

Field MinDepth

Alias MinimumDepth

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field MaxDepth

Alias MaximumDepth

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field AvgDepth

Alias AverageDepth

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field DominantSubstrate

Alias DominantSubstrate

Data type String

Width 80

Precision 0

Scale 0

Field description

most abundant type of substrate observed within a survey site

Description source

NCDOT

Field SubdominantSubstrate

Alias SubdominantSubstrate

Data type String

Width 20

Precision 0

Scale 0

Field description

second most abundant type of substrate observed within a survey site

Description source

NCDOT

Field Compactness

Alias Compactness

Data type String

Width 28

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field WoodDeb

Alias WoodDebris

Data type String

Width 14

Precision 0

Scale 0

Field description

Degree of woody debris (low, average, high)

Description source

NCDOT

Field BeaverAct

Alias BeaverActivity

Data type String

Width 52

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

Field SandBar

Alias SandBar

Data type String

Width 16

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field BankStb

Alias BankStability

Data type String

Width 60

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field Flow

Alias Fow

Data type String

Width 70

Precision 0

Scale 0

Field description

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

Description source

NCDOT

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

Field BankHt

Alias BankHeight

Data type String

Width 34

Precision 0

Scale 0

Field description

Height (m) of banks; mean or range

Description source

NCDOT

Field DOxygen

Alias DissolvedOxygen

Data type Double

Width 8

Precision 38

Scale 8

Field description

Dissolved oxygen content of water (mg/L)

Description source

NCDOT

Field WaterTemp

Alias WaterTemperature

Data type Double

Width 8

Precision 38

Scale 8

Field description

Temperature of water; (C)

Description source

NCDOT

Field pH

Alias PH

Data type String

Width 52

Precision 0

Scale 0

Field description

pH of water

Description source

NCDOT

Field Secchi

Alias SecchiReading

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field Counductivity

Alias Conductivity

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field WaterLev

Alias WaterLevel

Data type String

Width 12

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field Visibility

Alias Visibility

Data type String

Width 72

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field PercCover

Alias PercentCover

Data type String

Width 40

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field BufferWid

Alias BufferWidth

Data type String

Width 56

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field RiparianVeg

Alias RiparianVegetation

Data type String

Width 88

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field LandUse

Alias LandUse

Data type String

Width 102

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

Field TaxaType

Alias TaxaType

Data type String

Width 34

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field SciName

Alias ScientificName

Data type String

Width 80

Precision 0

Scale 0

Field description

Scientific name of organism

Description source

NCDOT

Field CommName

Alias CommonName

Data type String

Width 70

Precision 0

Scale 0

Field description

Common name of organism

Description source

NCDOT

Field NoObserved

Alias NumberObserved

Data type Double

Width 8

Precision 38

Scale 8

Field description

Number of live individuals observed

Description source

NCDOT

Field NoOfShells

Alias NumberOfShells

Data type Double

Width 8

Precision 38

Scale 8

Field description

Number of shells observed

Description source

NCDOT

Field Abundance

Alias Abundance

Data type String

Width 30

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

Field Recruitment

Alias Recruitment

Data type String

Width 12

Precision 0

Scale 0

Field description

Yes or No observations of new progeny indicating an increasing population

Description source

NCDOT

Field CollMethod

Alias CollectionMethod

Data type String

Width 138

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field IdentifiedBy

Alias IdentifiedBy

Data type String

Width 256

Precision 0

Scale 0

Field description

Person(s) that identified the organism

Description source

NCDOT

Field Habitat

Alias Habitat

Data type String

Width 324

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field Comment

Alias Comment

Data type String

Width 1024

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

Field Storage

Alias Storage

Data type String

Width 148

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

Field CatalogNumber

Alias CatalogNumber

Data type String

Width 40

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

Field FedStatus

Alias FederalHouse

Data type String

Width 36

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field StateStatus

Alias StateStatus

Data type String

Width 48

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field IndData

Alias IndividualDataEntered

Data type Double

Width 8

Precision 38

Scale 8

Field description

Data entered for individual

Description source

NCDOT

Field IndNumber

Alias IndividualNumber

Data type Double

Width 8

Precision 38

Scale 8

Field description

Number for individual

Description source

NCDOT

Field Demographic

Alias Demographic

Data type String

Width 40

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field LiveSample

Alias LiveSample

Data type Double

Width 8

Precision 38

Scale 8

Field description

number of individuals vouchered as specimen

Description source

NCDOT

Field length

Alias Length

Data type Double

Width 8

Precision 38

Scale 8

Field description

length (mm) of an individual

Description source

NCDOT

Field width

Alias Width

Data type Double

Width 8

Precision 38

Scale 8

Field description

Width (mm) of an individual

Description source

NCDOT

Field Height

Alias Height

Data type Double

Width 8

Precision 38

Scale 8

Field description

Height (mm) of an individual

Description source

NCDOT

Field Mass

Alias Mass

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field PostorbitalCarapaceLgth

Alias StandardLengthPostorbitalCarapaceLength

Data type Double

Width 8

Precision 38

Scale 8

Field description

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

Description source

NCDOT

Field IndComment

Alias IndividualComment

Data type String

Width 524

Precision 0

Scale 0

Field description

Comment for individual

Description source

NCDOT

Field TagNumber

Alias TagNumber

Data type String

Width 36

Precision 0

Scale 0

Field description

Tag Number for individual

Description source

NCDOT

Field TagStatus

Alias TagStatus

Data type String

Width 18

Precision 0

Scale 0

Field description

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

Description source

NCDOT

Field RightValveTag

Alias RightValveTag

Data type String

Width 40

Precision 0

Scale 0

Field description

tag number established on the right valve of a bivalve

Description source

NCDOT

Field RightValveColor

Alias RightValveColor

Data type String

Width 12

Precision 0

Scale 0

Field description

tag color used on the right valve of a bivalve

Description source

NCDOT

Field LeftValveTag

Alias LeftValveTag

Data type String

Width 36

Precision 0

Scale 0

Field description

tag number established on the left valve of a bivalve

Description source

NCDOT

Field LeftValveColor

Alias LeftValveColor

Data type String

Width 12

Precision 0

Scale 0

Field description

tag color used on the left valve of a bivalve

Description source

NCDOT

Field CreatedBy

Alias CreatedBy

Data type String

Width 46

Precision 0

Scale 0

Field description

name of individual that created the record

Description source

NCDOT

Field CreateDate

Alias CreateDate

Data type String

Width 20

Precision 0

Scale 0

Field description

date record was created in PAWS

Description source

NCDOT

Field LastModifiedBy

Alias LastModifiedBy

Data type String

Width 38

Precision 0

Scale 0

Field description

name of individual (NCWRC Representative) that reviewed the record

Description source

NCDOT

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

Field PermitNo

Alias PermitNumber

Data type String

Width 22

Precision 0

Scale 0

Field description

Survey Permit Number

Description source

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 2026-10-13

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 2026-10-13 08:39:45

Last modified in ArcGIS for the item 2026-10-13 08:37:20

Automatic updates

Have been performed Yes

Last update 2026-10-13 08:37:20

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

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

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 - 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

Delivery point Century Center Building B, 1020 Birch Ridge Drive

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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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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file