

Sensitive Joint Vetch - Potential Habitat, March 2021 - NC Department of Transportation

File Geodatabase Feature Class



Tags

Sensitive joint-vetch, *Aeschynomene virginica*, Aesc_virg, Vascular Plant, Terrestrial, threatened, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in August 2019 as part of the Project ATLAS initiative at NCDOT to support the Environmental Analysis Unit (EAU) Mitigation and Modeling Unit with project delivery in the development phase.

Model output is binary, and includes the USFWS species range, excluding historic counties. The species model range is split between "High" and "Low" potential habitat. "High potential habitat" represents GIS based layer areas deemed suitable habitat, and "Low potential habitat" represents areas deemed low quality or non-habitat. This model identifies all year-round potential suitable habitat for the species.

The Optimal survey window for Sensitive Joint-vetch is July - October.

This dataset supports the production of the Natural Resources Technical Report (NRTR). This dataset also contains information that may assist 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 Sensitive Joint-vetch Potential Habitat dataset is a polygon layer depicting high and low potential habitat locations for Sensitive Joint-vetch in NC counties that have a USFWS "current" status listing.

Sensitive joint-vetch (*Aeschynomene virginica*) grows in the mildly brackish intertidal zone where plants are flooded twice daily. This annual legume prefers the marsh edge at an elevation near the upper limit of tidal fluctuation but can also be found in swamps and on river banks. Sensitive joint-vetch normally occurs in areas with high plant diversity where annual species predominate, and can grow in sand, mud, gravel, or peat substrates. Bare to sparsely vegetated substrates appear to be a microhabitat feature of critical importance to this plant. Such microhabitats may include accreting point bars that have not yet been colonized by perennial species, areas scoured out by ice, low swales within marshes, muskrat "eat outs" where this rodent removes all the vegetation within a small portion of the marsh, storm damaged areas, and the saturated organic sediments of some interior marshes that have local nutrient deficiencies. In North Carolina, stable occurrences have been found in the estuarine meander zone of tidal rivers where sediments transported from upriver settle out and extensive marshes are formed. Additional North Carolina occurrences are also found in moist to wet roadside ditches and moist fields, but these are not considered stable populations.

NHP EO records are from July 2018. There were 13 EOs for sensitive joint-vetch, with 7 of the 13 records listed as historic. Sensitive joint-vetch NHP EO records are in Beaufort, Craven, Hyde, and Lenoir counties. There is evidence that ditches surrounding Lake Mattamuskeet, where several historic records are located, are likely often exposed to peaks in salinity from Pamlico sound waters flowing into the lake several times a year during high water events or pushed in from changes in tides (USGS, NCWRC). The model was expanded around Lake Mattamuskeet to account for the potential presence of sensitive joint-vetch.

County Information:

- NHP listed counties: Beaufort, Craven, Hyde (Lenoir is Historic)
- FWS current listed counties: Beaufort, Hyde (Craven and Lenoir are Historic)

For more information please click here

<https://xfer.services.ncdot.gov/gisdot/Metadata/Atlas/TechDocs/>

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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). Annual 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

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Extent

West -77.481409 **East** -75.729740
North 35.743630 **South** 34.782665

Scale Range

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

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE biota, 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 2020-03-02 00:00:00
PUBLICATION DATE 2020-04-30 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS Sensitive joint-vetch, Aeschynomene virginica, Aesc_virg, Vascular Plant, Terrestrial, threatened, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

THESAURUS ▶

TITLE User

CREATION DATE 2019-08-30 00:00:00

PUBLICATION DATE 2021-03-15 00:00:00

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ▶

TITLE Sensitive Joint Vetch - Potential Habitat, March 2021 - NC Department of Transportation

CREATION DATE 2019-08-30 00:00:00

PUBLICATION DATE 2021-03-15 00:00:00

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

[Hide Citation ▲](#)

Citation Contacts ▶

RESPONSIBLE PARTY

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

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE resource provider

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

ADDRESS

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.

[Hide Contact information ▲](#)

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CONTACT'S ROLE point of contact

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CONTACT'S ROLE originator

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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). Annual 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 2019-08-30 00:00:00

ENDING DATE 2019-08-30 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -77.481409

* EAST LONGITUDE -75.729740

* NORTH LATITUDE 35.743630

* SOUTH LATITUDE 34.782665

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 2455770.068861

* EAST LONGITUDE 2970650.566985

* SOUTH LATITUDE 391642.270715

* NORTH LATITUDE 729104.294608

* 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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Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

SCOPE OF THE UPDATES dataset

OTHER MAINTENANCE REQUIREMENTS

Maintenance of this dataset is handled by the Environmental Analysis Unit (EAU) Mitigation and Modeling Unit. Currently updating this dataset has not been planned. 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 3048.0060960121918
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.0032808333333333331
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 2264
WELL-KNOWN TEXT
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER

VALUE 2264
* CODESPACE EPSG
* VERSION 6.12(9.0.0)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME SensitiveJointVetchPotentialHabitat
* OBJECT TYPE composite
* OBJECT COUNT 21734

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME SensitiveJointVetchPotentialHabitat
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 21734
* 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 2019-08-30 00:00:00

PUBLICATION DATE 2021-03-15 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 2019-08-30 00:00:00

PUBLICATION DATE 2021-03-15 00:00:00

[Hide Product specification ▲](#)

[Hide Data quality report - Conceptual consistency ▲](#)

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION

- ArcGIS Online (AGOL) Review:

A model prediction file was shared with select reviewers on ArcGIS Online. Points were placed within the USFWS potential habitat as well as the model potential habitat in order to solicit feedback. Reviewers could place additional comments for consideration by modeler. AGOL review was completed in May 2019 on draft version of this model

- Independent Data Review:

Describe data sources – Natural Heritage Program element occurrences, NWI wetlands, 2016 NLCD land cover

Describe methods – Current aerial imagery was used to determine if EO sites have been developed or what land use type and mapped NWI wetland type exists in EO location.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION ►

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2019-08-30 00:00:00

PUBLICATION DATE 2021-03-15 00:00:00

[Hide Product specification ▲](#)

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

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

ArcGIS Model Builder version 10.4.1 was used to build a model

Input Environmental data layers for model:

Layer 1

- Layer name: NLCD Landcover Data 2016
- Layer description:
 - o NLCD 2016 landcover data.
- Layer selection justification:
 - o The NLCD 2016 data was used to identify areas of tidally influenced emergent marsh.
- "Habitat" versus "Non-habitat" designations:
 - o Estuarine emergent marsh landcover classes were selected and then further processed along with other layers to determine "habitat" designations for the species.

Layer 2

- Layer name: Phase I and Phase II Open Water
- Layer description:
 - o Layer provided by NCDOT ATLAS Sweeping Environmental Team.
 - o Vector layer for all open water areas throughout the state. Two parts but combined in model.
- Layer selection justification:
 - o Layer was used to erase from AXE_TIZ_Combined_V2 (area of tidal influence) to eliminate any areas of open water from the model.
- "Habitat" versus "Non-habitat" designations:

o Layer consists of open waters and was used to reduce or eliminate open water features from potential habitat.

Layer 3

- Layer name: County_Boundary_Shoreline

- Layer description:

- o Selected Beaufort, and Hyde Counties from County Boundary shapefile. Lenoir and Craven were removed since these are historic according to USFWS.

- Layer selection justification:

- o Species listed in Beaufort, and Hyde Counties

- "Habitat" versus "Non-habitat" designations:

- o Potential habitat in Beaufort, and Hyde Counties.

Layer 4

- Layer name: AXE_TIZ_Combined_V2

- Layer description:

- o Tidal influence zone (also containing all open waters). Three-part layer but combined into one layer for modeling. Layer obtained from Sweeping Environmental Team. Layer derived from NOAA data and contains freshwater and saltwater classifications in the attribute table.

- Layer selection justification:

- o The layer was used to generate areas of tidal influence, a requirement of sensitive joint-vech habitat.

- "Habitat" versus "Non-habitat" designations:

- o Potential habitat must be within an area of tidal influence.

Layer 5

- Layer name: nheo_tier2

- Layer description:

- o July 2018 Tier 2 dataset acquired from NC Natural Heritage Program

- Layer selection justification:

- o Data layer was incorporated into model with any sensitive joint-vech records selected and included in final merged output file.

- "Habitat" versus "Non-habitat" designations:

- o Potential habitat are polygon areas delineated in the July 2018 NC NHP Tier 2 dataset.

Known Issues with Model Data Layers:

The sensitive joint-vech model includes potential habitat within the USFWS listed counties for the species. The model takes a broad approach, using an area adjacent to NLCD 2016 estuarine emergent landcover to ensure most areas of potential habitat are included in the model. The current model does contain many areas not typically considered sensitive joint-vech habitat, but a broader approach was favored over a narrow approach, which would have missed areas of potential habitat.

PROCESS STEP

DESCRIPTION

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

PROCESS CONTACT

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

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE originator

CONTACT INFORMATION

PHONE

VOICE 919-707-6136

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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[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

- Environmental data layers used included NOAA CCAP, county boundaries, AXE_TIZ_Combined, and natural heritage data. Made feature layer with CountyBoundaryShoreline layer. Extracted all estuarine emergent wetland attributes from the CCAP raster. Converted raster to polygon. Clipped this layer to the counties listed for sensitive joint-vetch. Buffered this layer 2 miles and dissolve the records. On a separate line, perform a union with the AXE_TIZ_Combined water layer as well as the CountyBoundary (minus shorelines) layer. Clipped the estuarine emergent wetland landcover layer to the result of the union operation. *On a separate line, processed the NHP EOs for sensitive joint vetch, and merged this result with the results from the previous operations into the final model output.

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 ▲](#)

[Hide Lineage ▲](#)

Distribution ▶

DISTRIBUTOR ▶

CONTACT INFORMATION

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

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

ADDRESS

TYPE physical
DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive
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POSTAL CODE 27610
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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 [SensitiveJointVetchPotentialHabitat ►](#)

* TYPE Feature Class
* ROW COUNT 21734
DEFINITION SOURCE
NCDOT

DEFINITION

Potential Habitat areas for Sensitive Joint-vetch in NC

FIELD OBJECTID ►

* ALIAS FID
* 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 CommonName ▶

- ALIAS CName
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
Common Name of Species

- DESCRIPTION SOURCE
NCDOT

Hide Field CommonName ▲

FIELD SciName ▶

- ALIAS SName
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION
Scientific Name of Species

- DESCRIPTION SOURCE
NCDOT

Hide Field SciName ▲

FIELD PotHabitat ▶

- ALIAS PotHab
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Model Output - Low or High potential habitat

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE High

DESCRIPTION High potential

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Low

DESCRIPTION Low potential

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field PotHabitat ▲

FIELD Shape_Length ►

* ALIAS Shape_Length

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

Hide Field Shape_Length ▲

FIELD Shape_Area ►

* ALIAS Shape_Area

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Area of feature in internal units squared.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

Hide Details for object SensitiveJointVetchPotentialHabitat ▲

[Hide Fields ▲](#)

Metadata Details ►

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

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

* LAST UPDATE 2024-01-29

ARCGIS METADATA PROPERTIES

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

CREATED IN ARCGIS FOR THE ITEM 2024-02-01 14:51:25
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-29 16:12:42

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2024-01-29 16:12:42

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2018-01-10 11:29:35
TO \\10.252.112.26\ccaGIS\NHP\DistributedData\2018\2018-01\NHEO_Tier_2\nheo_tier_2
FROM X:\NHP\DistributedData\2018\2018-01\nheo_tier_2

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

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

CONTACT INFORMATION ►

PHONE
VOICE 919-707-6136

ADDRESS

TYPE 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.

[Hide Contact information ▲](#)

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Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

OTHER MAINTENANCE REQUIREMENTS

Annual maintenance of this dataset is handled by the Environmental Analysis Unit (EAU). 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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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 NRTR work for future projects and may not be used as a replacement for site visits / field surveys by

qualified 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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