

Mountain Sweet Pitcher Plant - Potential Habitat, March 2021 - NC Department of Transportation

File Geodatabase Feature Class



Tags

Mountain Sweet Pitcher Plant, *Sarracenia jonesii*, Sarr_jone, *Sarracenia rubra* ssp. *jonesii*, Vascular Plant, Terrestrial, endangered, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in March 2020 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 Mountain sweet pitcher plant is April to 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 Mountain sweet pitcher plant (MSPP) Potential Habitat dataset is a polygon layer depicting high and low potential habitat locations for MSPP in NC counties that have a USFWS "current" status listing.

Mountain sweet pitcher plant (*Sarracenia rubra* ssp. *jonesii*) endemic to the Blue Ridge Mountains of North and South Carolina and is found along stream banks and in shrub-dominated, seepage-fed mountain bogs (Southern Appalachian Bog Southern Subtype). Both stream bank and bog habitats are usually situated along intermittently exposed to infrequently flooded level depressions associated with valley floodplains. These habitats, typically on soils of the Toxaway or Hatboro series, contain deep, poorly drained, saturated soils of loam, sand, and silt with a high organic matter content and medium to high acidity. A few occurrences of the pitcher plant also grow in cataract bogs, either in thin strips along the edges of waterfalls or on soil islands over granite rock faces, where sphagnum and other bog plants species line the sides. This early successional species relies on natural disturbance (e.g., drought, water fluctuation, periodic fire, ice damage) to maintain its habitat by preventing the establishment of later successional woody seedlings.

MSPP is also associated with the Swamp Forest-Bog Complex community. Known habitat for MSPP consist of Southern Appalachian Bogs in North Carolina and cataract bogs in South Carolina. Cataract bogs are restricted to the Blue Ridge escarpment region of South Carolina and a small area of North Carolina.

Twenty-four element occurrences (EO's) (10 current and 14 historic) are listed in North Carolina per Natural Heritage (July 2018). Of the current EO's, 3 of 10 included introduced/transplanted plants to existing sites.

Natural communities associated with these EO's include lake/pond edges, forested/shrub bogs and wet depressions.

County Information

- NHP listed counties: Buncombe, Henderson, Macon, and Transylvania
- FWS listed counties: Buncombe, Henderson, Macon and Transylvania

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

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 -83.774558 **East** -82.149729

North 35.829518 **South** 34.978657

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 2021-03-15 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS Mountain Sweet Pitcher Plant, Sarracenia jonesii, Sarr_jone, Sarracenia rubra ssp.jonesii, Vascular Plant, Terrestrial, endangered, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

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[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Mountain Sweet Pitcher Plant - Potential Habitat, March 2021 - NC Department of Transportation
CREATION DATE 2020-03-02 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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[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 2020-03-02 00:00:00

ENDING DATE 2020-03-02 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -83.774558

* EAST LONGITUDE -82.149729

* NORTH LATITUDE 35.829518

* SOUTH LATITUDE 34.978657

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 584338.054186

* EAST LONGITUDE 1057270.215276

* SOUTH LATITUDE 480879.139813

* NORTH LATITUDE 771946.041930

* 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
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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 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

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[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified
CLASSIFICATION SYSTEM None

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CONSTRAINTS

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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 MountainSweetPitcherPlantPotentialHabitat
* OBJECT TYPE composite
* OBJECT COUNT 51564

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME MountainSweetPitcherPlantPotentialHabitat
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 51564
* 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 **2020-03-02 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 **2020-03-02 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

- AGOL review

A model prediction file was shared with select reviewers on ArcGIS Online (AGOL). 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 March 2019 on the DRAFT version of this model

- Independent Data Review

Describe data sources – NHP element occurrences

Describe methods – NHP element occurrences were compared to Model output to determine if predicted habitat intersected known habitat.

Provide summary result – NHP element occurrences intersected predicted habitat.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION ►

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2020-03-02 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 10.6 was used to build a model Input

Environmental data layers for model:

1) County_Boundary

- Layer description: Select Buncombe, Henderson, Macon and Transylvania Counties from County Boundary shapefile
- Layer selection justification: Species only listed in Buncombe, Henderson, Macon and Transylvania Counties
- "Habitat" versus "Nonhabitat" designations: Habitat for the MSPP is listed as Buncombe, Henderson, and Transylvania Counties.

2) NRCS_Soils_NC (Buncombe, Henderson, Macon and Transylvania Counties)

- Layer description: SSURGO Map Unit Polygon feature class of soil type and drainage classification.
 - o Selected soils by drainage. Select soils with somewhat poorly drained, poorly drained and very poorly drained soils.
- Layer selection justification: Mountain sweet pitcher plant habitat is described as occurring on poorly drained soils that occur on level depressions associated with floodplains usually Toxaway silt loam and Hatboro loam. The selected soil drainage classes above include all soils with a "poorly drained" classification which includes Toxaway and Hatboro series soils.
- "Habitat" versus "Nonhabitat" designations: Habitat soils for the MSPP are designated with the drainage criteria above.

3) County Elevation (Q2DEM) (Buncombe, Henderson, Macon and Transylvania).

- Layer description: County Elevation Grid rounded to nearest foot, 20 ft grid cell. Analyze Q2DEM Grid file for slope using ARCGIS slope tool.

Extract slopes ranging from <6%.

- Layer selection justification: Specific slope data was not available for MSPP; however, habitat is described as most commonly on bogs with flat to gently sloping valley bottoms. A <6% slope layer was generated from Q2DEM county elevation data. The slope layer was overlaid with known MSPP occurrences to evaluate if the proposed slope range captured potential MSPP habitat. The overlay of known occurrences of MSPP and <6% slopes showed good correlation.
- "Habitat" versus "Nonhabitat" designations: Habitat for the MSPP was designated as having <6% slopes.

4) NRCS_Soils_NC (Buncombe, Henderson, Macon and Transylvania Counties)

- Layer description: SSURGO Map Unit Polygon feature class of soil type including Catchment mean of pH of surface soils as reported in SSURGO soils database.

- Layer selection justification: MSPP populations are associated with soils with moderately to extremely acidic pH. This pH range is approximately 3.0 to 6.0 using the USDA NRCS Soil Quality Indicators for pH.

Extract pH classes 3.0 to 6.0, up to 6.2 for Buncombe County.

- "Habitat" versus "Nonhabitat" designations: Habitat for the MSPP is designated as soil pH ranging 3.0-6.0, up to 6.2 for Buncombe County.

5) USFWS National Wetland Inventory (NWI): (Buncombe, Henderson, Macon and Transylvania).

- Layer description: Polygons representing extent and approximate location and type of wetlands and deepwater habitats in the United States and its territories.

- Layer selection justification: MSPP is associated with shrub-dominated, seepage-fed mountain bogs. Add NWI layer: Select Freshwater Emergent Wetland, Freshwater Forested/Shrub Wetland, Freshwater Pond, and Lake. Buffer Pond and Lake wetland types to capture only perimeters. Merge to final model output.

- "Habitat" versus "Nonhabitat" designations: Potential habitat for the MSPP occurs within shrub-dominated, seepage-fed mountain bog wetlands.

6) NHD_Flowlines (Buncombe, Henderson, Macon and Transylvania).

- Layer description: National Hydrography Dataset High Resolution flowlines.

- Layer selection justification: Queried for Ftype 460 which captures streams.

MSPP is associated with cataract bogs. Cataract bogs are known to occur in the Blue Ridge Escarpment region of North Carolina. Buffer by 5 feet to represent streams extents and select stream segments. Clip NHD_Stream_Lines shapefile with Buncombe, Henderson, Macon and Transylvania counties Blue Ridge Escarpment shapefile. Merge to final model output.

- "Habitat" versus "Nonhabitat" designations: Potential habitat for the MSPP occur along stream/waterfall edges, soil islands, or granite rock faces.

7) Blue_Ridge_Escarp (Buncombe, Henderson, Macon and Transylvania).

- Layer description: Blue Ridge Escarpment geologic province located in Buncombe, Henderson, Macon and Transylvania Counties.

- Layer selection justification: MSPP is associated with cataract bogs. Cataract bogs are known to occur in the Blue Ridge Escarpment region of North Carolina. Blue Ridge escarpment shape file for Buncombe, Henderson, Macon and Transylvania counties was generated by tracing (digitizing) the Tennessee Valley Divide/Blue Ridge Mountain Range Boundary to the southern or eastern county boundary for each respective county.

- "Habitat" versus "Nonhabitat" designations: Potential habitat for the MSPP occur along stream/waterfall edges, soil islands, or granite rock faces in the North Carolina Blue Ridge Escarpment geologic province.

Known Issues with Model Data Layers:

Geology: The North Carolina geologic map represents a generalized geology map of North Carolina. The data was reviewed for the presence of granite in Buncombe, Henderson, Macon and Transylvania Counties. The presence of granite was not shown in these counties, however granitic gneiss a metamorphic form of granite is shown.

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

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[Hide Process step ▲](#)

PROCESS STEP ►
DESCRIPTION

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

PROCESS CONTACT

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

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PROCESS STEP ►

DESCRIPTION

Summary of model steps

- Selected North Carolina counties where plant is known to occur
- Selected soils with defined drainage characteristics
- Selected soils with defined pH values
- Derived slopes from Q2DEM data, extracted ideal slopes for species
- Add NWI layer: Select Freshwater Emergent Wetland, Freshwater Forested/Shrub Wetland, Freshwater Pond, and Lake. Buffered Pond and Lake wetland types were to capture only perimeters.
- NHD Flowlines were clipped and buffered to Blue Ridge Escarpment landform to reflect streams that may contain cataract bog habitat
- All resulting output data was merged to define potential MSPP habitat

PROCESS CONTACT

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[Hide Process step ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

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

CONTACT INFORMATION ►

PHONE

VOICE 919-707-6136

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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 [MountainSweetPitcherPlantPotentialHabitat](#) ►

* TYPE Feature Class

* ROW COUNT 51564

DEFINITION

Potential Habitat areas for Mountain Sweet Pitcher Plant in NC.

DEFINITION SOURCE

NCDOT

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 Shape_Area ▶

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.

- * DESCRIPTION SOURCE
Esri

- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

FIELD 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 [CommonName ▶](#)

ALIAS CName

* DATA TYPE String

* WIDTH 100

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Common Name of Species

DESCRIPTION SOURCE

NCDOT

[Hide Field CommonName ▲](#)

FIELD [SciName ▶](#)

ALIAS SName

* DATA TYPE String

* WIDTH 150

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Scientific Name of Species

DESCRIPTION SOURCE

NCDOT

[Hide Field SciName ▲](#)

FIELD [PotHabitat ▶](#)

ALIAS PotHab

* DATA TYPE String

* WIDTH 25

* 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

DESCRIPTION OF VALUES

.

[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 ▲

Hide Details for object MountainSweetPitcherPlantPotentialHabitat ▲

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 2024-01-26

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 14:12:29
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-26 19:01:52

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2024-01-26 19:01:52

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 ▲

Hide Metadata Contacts ▲

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

OTHER MAINTENANCE REQUIREMENTS

Annual maintenance of this dataset is handled by the 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 Metadata Maintenance ▲](#)

Metadata Constraints ►

SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

LIMITATIONS OF USE

The North Carolina Department of Transportation shall not be held liable for any errors in this metadata. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. Datasets developed under Project ATLAS do not replace any 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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[Hide Metadata Constraints ▲](#)