

Green Pitcher Plant - Potential Habitat, December 2020 - NC Department of Transportation

File Geodatabase Feature Class



Tags

Green pitcher plant, *Sarracenia oreophila*, Sarr_oreo, Green pitcher-plant, Vascular Plant Terrestrial, endangered, GIS based model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS, North Carolina

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.

The Optimal survey window for Green Pitcher Plant (GPP) is late April-October. Field surveys are valid for 2 years.

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 Green Pitcher Plant Potential Habitat dataset is a polygon layer depicting high and low potential habitat locations for Green Pitcher Plant in NC counties that have a USFWS "current" status listing. This model identifies all year-round potential suitable habitat for the species.

The habitat for Green Pitcher Plant (*Sarracenia oreophila*) found in the North Carolina Blue Ridge Province, varies from moderately to steeply sloped seepage bogs (Southern Appalachian Bog-Southern Subtype) and boggy stream banks in North Carolina and Alabama to poorly drained oak and oak-pine flatwoods with a high-water table during the winter months in Georgia. Soils of all known occurrences are generally acidic and derived from sandstones or shales. Soils of the flatwood and seepage bog habitat sites are sandy clays or loams, while those of the stream bank habitat sites are almost pure sand. This carnivorous herb is dependent on some form of disturbance, often periodic fire, to keep its habitat in an early successional stage and reduce competition. Flooding also appears to maintain, and perhaps create, the plant's suitable habitat in its stream bank environment by eliminating competing species.

GPP known populations and associated habitats include: 1) Alabama (14 Populations) - 10 extant colonies on streambanks, 1 extant colony in shallow drainage, and 11 extant colonies in seepage bogs; 2) Georgia (1 Population shared w/ North Carolina) - 1 colony in seepage bog; and 3) North Carolina (1 Population shared with Georgia) - 1 colony in seepage bog. Soils associated with these habitats are moist, not subject to regular flooding or saturation. GPP grows away from the wet slough in seepage bogs. Per the Green Pitcher Plant Recovery Plan, streambank colonies are restricted to the Lookout Mountain area.

Two element occurrences (EO's) (1 historic and 1 existing) are listed in North Carolina per Natural Heritage (July 2018). Landcover communities associated with these EO's include forested/shrub bog and field/pastures.

County Information - FWS listed counties: Clay

For more information please click here

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

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.

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 -84.015735 **East** -83.482857
North 35.171011 **South** 34.971304

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 2020-12-16 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS Green pitcher plant, Sarracenia oreophila, Sarr_oreo, Green pitcher-plant, Vascular Plant Terrestrial, endangered, GIS based model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS, North Carolina

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Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

TITLE Green Pitcher Plant - Potential Habitat, December 2020 - NC Department of Transportation

CREATION DATE 2020-03-02 00:00:00

PUBLICATION DATE 2020-12-16 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 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

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 ▲

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

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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 -84.015735

* EAST LONGITUDE -83.482857

* NORTH LATITUDE 35.171011

* SOUTH LATITUDE 34.971304

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 501361.903538

* EAST LONGITUDE 657859.119414

* SOUTH LATITUDE 482270.818132

* NORTH LATITUDE 547542.355239

* 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 ►

PHONE

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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

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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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[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 GreenPitcherPlantPotentialHabitat
* OBJECT TYPE composite
* OBJECT COUNT 1321

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME GreenPitcherPlantPotentialHabitat
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 1321
* 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 2020-12-16 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 2020-12-16 00:00:00

[Hide Product specification ▲](#)

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

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

MEASURE DESCRIPTION

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. Independent Data Review was conducted. NHP element occurrences were compared to Model output to determine if predicted habitat intersected known 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 2020-12-16 00:00:00

[Hide Product specification ▲](#)

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

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

ArcGIS Model Builder version 10.3.1 was used to build a model

Input Environmental data layers for model:

Clay County Boundary
SSURGO Map Unit Polygon feature class of soil type and hydric percentage
NWI Wetlands Polygon
SSURGO soil pH raster
SSURGO soil sand percentage raster
USGS GAP Land Cover raster

Input Layers:

1)Clay County Boundary

- Layer selection justification
Species only listed in Clay County
- "Habitat" versus "Nonhabitat" designations:
Habitat listed as Clay County.

2) NRCS_Soils_NC (SSURGO Map Unit Polygon feature class of soil type and hydric percentage.)

- Layer selection justification:
NCNHP data showed the single NC colony occurs in wetland bog habitat. Wetlands are associated with hydric soils, or upland soils with hydric inclusions.
- "Habitat" versus "Nonhabitat" designations:
Potential habitat soils must have some hydric percentage > 1%.

3) NC_Wetlands (NWI Wetlands Polygon)

- Layer selection justification:

GPP is associated with the Southern Appalachian Bog community. NWI mapping data showed overlap between the Southern Appalachian Bog Community, and Freshwater Forested/Shrub Wetlands (PFO1A) and Freshwater Emergent Wetlands (PEM1A).

- "Habitat" versus "Nonhabitat" designations:

Potential habitat may be associated with NWI mapped wetlands described above.

4) nc_ph1t (SSURGO soil pH raster)

- Layer selection justification:

GPP habitat is associated with highly acidic soils. The NRCS divides soil pH into common soil classes that range from Extremely acidic 3.5-4.4 to Strongly alkaline 8.5-9.0. Soils classes used to capture highly acidic soils included: Strongly acid 5.1-5.5, Very strongly acid 4.5-5.0, and Extremely acid 3.5-4.4.

- "Habitat" versus "Nonhabitat" designations:

Potential habitat included soils with pH ranging from 3.0 to 6.0.

5) nc_sand (SSURGO soil sand percentage raster)

- Layer selection justification:

Soils of the flatwood and seepage bog habitat sites are sandy clays or loams, while those of the stream bank habitat sites are almost pure sand. Sand percentage was selected to identify soils having greater than or equal to 50% sand composition.

- "Habitat" versus "Nonhabitat" designations:

Potential habitat includes soils with sand percentage of > 50%.

6) Gap_lc (USGS GAP Land Cover raster)

- Layer selection justification:

GPP habitat in North Carolina is associated with Southern Appalachian Bogs, but is found to grow more successfully in open, sunny areas with little competition. Gap communities associated with two known North Carolina EO's include disturbed areas (i.e. Pasture/Hay etc.) on hydric soils, or GAP communities that overlapped documented North Carolina Southern Bog communities (Extrapolated from NHP Tier II Data).

- "Habitat" versus "Nonhabitat" designations:

Potential habitat included the GAP communities listed above.

Known Issues with Model Data Layers:

- Overall Habitat: Selection of layers used in the proposed model were based on limited habitat data for GPP in North Carolina. Generalized data from the USFS Recovery plan and data (i.e. landcover, soils, NWI data) from the two North Carolina GPP EO's was used to generate the proposed habitat model. Stream layers were not used to identify GPP habitat in the North Carolina model. The rationale for this decision is based on the fact that ALL known stream bank populations for GPP have occurred in the Lookout Mountain Region of Alabama.

- Landfire Fire Regime: Fire Regime Group Data was evaluated for model usage. The data showed good correlation between more frequent fire return intervals (<35 years) and the two known green pitcher plant EO's. This data excluded potential habitat that fell within floodplains and valleys having less frequent fire returns (35-200 years). While appropriate habitat has naturally been maintained through flooding and fire events, human disturbance may create secondary habitat such as open grassy areas/disturbed areas. A comparison between Fire Regime Group data and GAP Landcover data (i.e. disturbed/successional, pastures etc.) showed better coverage of potential GPP habitat with the landcover data because it included both areas of more frequent fire return and areas of human disturbance. Subsequently, it is likely that omission of the Fire Regime Group Data will have no overall effect on predicting potential GPP habitat in North Carolina.

- Gap Landcover: GAP data (2011) included buildings, roads, and other structures within vegetative landcover classes which overly predicted potential GPP habitat.

Output of model:

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.

PROCESS STEP ►
DESCRIPTION

Select North Carolina county where plant is known to occur.
Select relevant data for NRCS hydric soils and NWI wetlands.
Union NRCS hydric soils and NWI wetlands data to encompass all potential habitat areas.
Extract relevant data for soil pH, soil percent sand, and GAP landcover data. Intersect result files.
Aggregate intersected files by 100 feet.
Remove polygons with area less than 25 square feet.

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

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[Hide Contact information ▲](#)

[Hide Process step ▲](#)

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

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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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[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

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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 [GreenPitcherPlantPotentialHabitat](#) ►

* TYPE Feature Class

* ROW COUNT 1321

DEFINITION

Potential Habitat areas for GreenPitcher Plant in NC.

DEFINITION SOURCE

NCDOT

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 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**

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 GreenPitcherPlantPotentialHabitat ▲

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 14:10:12

LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-26 18:59:32

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2024-01-26 18:59:32

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

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 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

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TYPE

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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 ▲](#)