

Piping Plover Potential Habitat, November 2023 - NC Department of Transportation

File Geodatabase Feature Class



Tags

Piping plover, *Charadrius melodus*, bird, threatened, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in July 2023 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.

This model identifies year-round potential suitable habitat for Piping plover. 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 identified as areas deemed low quality or non-habitat.

The Optimal survey window for Piping plover is: Year round

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 Piping plover Potential Habitat dataset is a polygon layer depicting high and low potential habitat locations for Piping plover in NC counties that have a USFWS "current" status listing.

Primary constituent elements of wintering Piping plover (*Charadrius melodus*) habitat include sand and/or mud flats with no or very sparse emergent vegetation. In some cases, these flats may be covered or partially covered by a mat of blue-green algae. Adjacent unvegetated or sparsely vegetated sand, mud, or algal flats above high tide are also essential, especially for roosting piping plovers. Such sites may have debris, detritus (decaying organic matter), or micro-topographic relief (less than 20 inches above substrate surface) offering refuge from high winds and cold weather. Essential components of the beach/dune ecosystem include surf-cast algae for feeding of prey, sparsely vegetated back beach (beach area above mean high tide seaward of the dune line, or in cases where no dunes exist, seaward of a delineating feature such as a vegetation line, structure or road) for roosting and refuge during storms, spits (a small point of land, especially sand, running into water) for feeding and roosting, salterns (bare sand flats in the center of mangrove ecosystems that are found above mean high waters and are only irregularly flushed with sea water) and wash over areas for feeding and roosting. Wash over areas are broad, unvegetated zones with little or no topographic relief that are formed and maintained by the action of hurricanes, storm surge, or other extreme wave action. Several of these components (sparse vegetation, little or no topographic relief) are mimicked in artificial habitat types used less commonly by piping plovers, but that are considered critical habitat (e.g., dredge spoil sites).

The Piping plover breeds along the entire eastern coast of the United States. North Carolina is uniquely positioned in the species' range, being the only state where the Piping plover's breeding and wintering ranges overlap, and the birds are present year-round. They nest most commonly where there is little or no vegetation,

but some may nest in stands of beach grass. The nest is a shallow depression in the sand that is usually lined with shell fragments and light-colored pebbles.

National Heritage Program (NHP) Tier 2 data from June 2022 indicate 36 NHP Element Occurrences (EOs) for Piping plover. 12 of the 34 records are historic. NHP records used at the time of model were from June 2022.

County Information

- NHP listed counties: Brunswick, Carteret, Currituck, Dare, Hyde, New Hanover, Onslow, Pender
- FWS listed counties as 'current': Brunswick, Carteret, Currituck, Dare, Hyde, New Hanover, Onslow, Pender
- Additions proposed by reviewers: NA

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 -78.651394 **East** -75.391079
North 36.589758 **South** 33.772672

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, inlandWaters, 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 2023-07-05 00:00:00

PUBLICATION DATE 2023-11-10 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS Piping plover, Charadrius melodus, bird, threatened, GIS-based model, expert model, Transportation, NRTR, NCDOT, Environment, Location, North Carolina, ATLAS

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[Hide Topics and Keywords ▲](#)

Citation ▶

TITLE Piping Plover Potential Habitat, November 2023 - NC Department of Transportation

CREATION DATE 2023-07-05 00:00:00

PUBLICATION DATE 2023-11-10 00:00:00

PRESENTATION FORMATS digital map

[Hide Citation ▲](#)

Citation Contacts ▶

RESPONSIBLE PARTY

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

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE

VOICE 919-707-6136

ADDRESS

TYPE

DELIVERY POINT 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 originator

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CONTACT'S POSITION Environmental Program Consultant
CONTACT'S ROLE resource provider

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[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.

ARCGIS ITEM PROPERTIES

- * NAME PipingPloverPotentialHabitat
- * SIZE 5.904
- * LOCATION file:///\\DOT\DFSROOT01\GROUPS-GISCC\GIS-
ProjAtlas\ProjectDocumentation\Standards\Metadata\00MD\AddrUpdate\AddrUpd.gdb
- * ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT
DESCRIPTION
Data collection is complete.

GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
WEST LONGITUDE -84.422111
EAST LONGITUDE -75.416034
SOUTH LATITUDE 33.730557
NORTH LATITUDE 36.617257
EXTENT CONTAINS THE RESOURCE Yes

TEMPORAL EXTENT
BEGINNING DATE 2023-07-05 00:00:00
ENDING DATE 2023-07-05 00:00:00

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -78.651394
* EAST LONGITUDE -75.391079
* NORTH LATITUDE 36.589758
* SOUTH LATITUDE 33.772672
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE 2105899.336189
* EAST LONGITUDE 3060171.399754

- * SOUTH LATITUDE 26882.083570
- * NORTH LATITUDE 1033804.749839
- * 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 point of contact

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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 point of contact

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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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[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 PipingPloverPotentialHabitat
* OBJECT TYPE composite
* OBJECT COUNT 18205

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME PipingPloverPotentialHabitat
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 18205
* 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 **2023-07-05 00:00:00**

PUBLICATION DATE **2023-11-10 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 **2023-07-05 00:00:00**

PUBLICATION DATE **2023-11-10 00:00:00**

[Hide Product specification ▲](#)

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

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION

- ArcGIS Online (AGOL) Review
 - o 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.
 - o AGOL review was completed in May 2019 on draft version of this model

- Independent Data Review
 - o Describe data sources –natural heritage element occurrence data, critical habitat data, DCM shorelines (2009 and 2016).
 - o Describe methods – Current aerial imagery was used to determine likelihood of habitat.

- Reviewers provided a complete and balanced review. Flags of non-habitat areas were primarily focused on areas where the landcover data or the open water data did not match what was viewable on the aerial photography. Most comments were about non-beach shorelines and upland areas showing up as habitat and needed the value to be reversed to non-habitat.

- Reviewers for the most part agreed with the potential habitat. Modelers commented that areas of non-habitat occasionally were included in the model and should be removed. Examples of non-habitat observed by reviewers: maritime forest, forested uplands, non-sandy shorelines or beaches, marshes, canals, ditches, developed land, and inland waterbodies not connected to the estuary.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Pass

PRODUCT SPECIFICATION ►

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2023-07-05 00:00:00

PUBLICATION DATE 2023-11-10 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 .

Layer 1

- Layer name: CountyBoundaryShoreline
- Layer description:

- o Select Water and piping plover counties from County Boundary shapefile.
- Layer selection justification:
- o Layer is used for county boundaries and shoreline area.
- “Habitat” versus “Nonhabitat” designations:
- o Layer is used to delineate counties with piping plover presence and is not used for habitat determinations. The layer was also used to create an area of low potential habitat within the county boundary but outside of the high potential habitat area.

Layer 2

- Layer name: dcm_oceanfront_shorelines
- Layer description:
- o Division of Coastal Management shoreline data from 2009 and 2016. The layer was processed in a preliminary model step included in the GDB as the model entitled “Prelim_DCMSshorelines” in order to process the merge and dissolve of the 2009 and 2016 shorelines to a cohesive file for use in the model.
- Layer selection justification:
- o Data layer was incorporated into the model with 2009 and 2016 shorelines (to ensure complete coverage of coast) buffered 1.5 miles. This buffer was established to ensure capturing all areas of dune/shoreline habitat along the coast.
- “Habitat” versus “Nonhabitat” designations:
- o Area within buffer is potential habitat.

Layer 3

- Layer name: nheo_tier2
- Layer description:
- o Tier 2 data acquired from NC Natural Heritage Program
- Layer selection justification:
- o Data layer was incorporated into model with any piping plover records selected and included in final merged output file.

Layer 4

- Layer name: USFWS ECOS Critical Habitat – WinteringExceptGreatLakes_TXtoNC, Wintering_NC_Units_revised, FCH_Charadrius_melodus_20170506.
- Layer description:
- o USFWS ECOS Active Critical Habitat layers for piping plover. This layer was processed in a preliminary model step included in the GDB as a model entitled “Prelim_CriticalHabitat” in order to create a merged and dissolved feature that would be used in the model.
- Layer selection justification:
- o Layer was used in the model to ensure all critical habitat for piping plover is mapped and included in the final merged output file.

Layer 5

- Layer name: NLCD Landcover Data 2019
- Layer description:
- o NLCD 2019 landcover data.
- Layer selection justification:
- o The NLCD 2019 data was used to reduce areas of nonhabitat such as forested areas and medium to highly developed areas.
- “Habitat” versus “Nonhabitat” designations:
- o Nonhabitat designations used for this model – deciduous forests, developed – high intensity, emergent herbaceous wetlands, evergreen forest, mixed forest, and woody wetlands. The purpose of excluding these was to designate these habitat types as low potential habitat since they are the most likely habitat types that would not support piping plover.
- o Habitat designations used for this model – open water, developed – low intensity, developed – medium intensity, barren land, shrub/scrub, herbaceous, hay/pasture, cultivated crops. Note that these habitats were not excluded and used in the model, but accuracy for these designations was inconsistent.

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

CONTACT INFORMATION ►

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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

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PROCESS STEP ►

DESCRIPTION

Summary of model steps:

Merge the following layers

- Select all coastal open water areas
- NHP element occurrence data
- buffered DCM shorelines (2009 and 2016)
- critical habitat
- and selected counties.

2019 NLCD landcover data was then used to designate areas of non-habitat such as forests and medium to highly developed area as low potential habitat.

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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

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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 [PipingPloverPotentialHabitat ►](#)

* TYPE Feature Class
* ROW COUNT 18205

DEFINITION

Potential Habitat areas for Piping Plover in NC

DEFINITION SOURCE

NCDOT

FIELD [OBJECTID_1 ►](#)

* 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_1 ▲

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 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 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 SciName ►

- ALIAS SName
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION

Scientific Name of Species

DESCRIPTION SOURCE
NCDOT

Hide Field SciName ▲

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 ▲](#)

[Hide Details for object PipingPloverPotentialHabitat ▲](#)

[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 2024-01-30

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2024-02-01 14:13:25

LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-30 11:12:11

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2024-01-30 11:12:11

[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 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

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

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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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