

# Estuarine Waters Areas of Environmental Concern, August 2019 - NC Department of Transportation

## File Geodatabase Feature Class



### Tags

Coastal Area Management Act, CAMA, NC Division of Coastal Management, NCDCM, estuarine waters, public trust areas, coastal shorelines, ocean erodible area, unvegetated beach area, small surface supply watersheds, public water supply well fields, unique coastal geologic formations, significant coastal archaeological resources, low tide, high tide, navigable-in-fact waters, hydrography, Descriptive Boundaries of Coastal, Joint, and Inland Waters, DBCJIW, QL2, LiDAR, Kill Devil Hills, Permuda Island, static vegetation lines, erosion rates, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS, North Carolina

### Summary

This dataset was originally created in January 2019 as part of the Project ATLAS initiative at NCDOT to support the Sweeping Environmental Group with project delivery in the development phase.

The Estuarine Waters AEC represents the geographic area of coastal North Carolina that remains inundated regardless of tidal level (i.e. at low tide) to a defined inland extent. For the purposes of generating this dataset, the approximate location of this lateral boundary is represented by the shoreline and river break lines derived from QL2 LiDAR. This data was captured in 2014 and 2015 and tidal areas were flown at the approximate low tide level when feasible.

These data are needed to fulfill elements of the following work flows:

- CAMA Consistency
- CAMA Major permit
- CAMA AEC work flow
- PCE checklist
- NRTR
- Permitting (if in CAMA county)
  - o Nationwide
  - o Individual
  - o General
  - o Water Quality Certification
- PCN completion
- US Coast Guard

### Description

Areas of Environmental Concern (AECs) are the foundation of the Coastal Resources Commission's permitting program for coastal development. An AEC is an area of natural importance: It may be easily destroyed by erosion or flooding; or it may have environmental, social, economic or aesthetic values that make it valuable to our state. The Coastal Resources Commission designates areas as AECs to protect them from uncontrolled development, which may cause irreversible damage to property, public health or the environment, thereby diminishing their value to the entire state.

The ATLAS Estuarine Waters Areas of Environmental Concerns (AEC) dataset is a statewide polygon layer depicting all the waters of the Atlantic Ocean within the boundary of North Carolina and all the waters of the bays, sounds, rivers and tributaries thereto seaward of the dividing line between coastal fishing waters and inland fishing waters. The boundaries between inland and coastal fishing waters are set forth in an agreement adopted by the Wildlife Resources Commission and the Department of Environment and Natural Resources and

in the most current revision of the North Carolina Marine Fisheries Regulations for Coastal Waters, codified at 15A NCAC 3Q .0200.

Datasets developed under Project ATLAS do not replace any Sweeping Environmental field work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre-decisional.

### Credits

The ATLAS Sweeping Environmental Group within NCDOT was tasked to create this dataset. Annual maintenance of this dataset is handled by the Sweeping Environmental Group. 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** -78.559831    **East** -75.381104  
**North** 36.606461    **South** 33.758487

### 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    oceans, boundaries, 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    2019-01-01 00:00:00  
PUBLICATION DATE    2019-08-28 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS    Coastal Area Management Act, CAMA, NC Division of Coastal Management, NCDCM, estuarine waters, public trust areas, coastal shorelines, ocean erodible area, unvegetated beach area, small surface supply watersheds, public water supply well fields, unique coastal geologic formations, significant coastal archaeological resources, low tide, high tide, navigable-in-fact waters, hydrography, Descriptive Boundaries of Coastal, Joint, and Inland Waters, DBCJIW, QL2, LiDAR, Kill Devil Hills, Permuda Island, static vegetation lines, erosion rates, Transportation, NCDOT, Environment, Location, ATLAS

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[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

**Citation** ▶

TITLE Estuarine Waters Areas of Environmental Concern, August 2019 - NC Department of Transportation

CREATION DATE 2019-01-01 00:00:00

PUBLICATION DATE 2019-08-28 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 - Sweeping Environmental Group

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](mailto: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 point of contact

CONTACT INFORMATION ►

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VOICE 919-707-6136

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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 ►

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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 ATLAS Sweeping Environmental Group within NCDOT was tasked to create this dataset. Annual maintenance of this dataset is handled by the Sweeping Environmental Group. 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 2019-01-01 00:00:00

ENDING DATE 2019-01-01 00:00:00

#### EXTENT

##### GEOGRAPHIC EXTENT

###### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -78.559831

\* EAST LONGITUDE -75.381104

\* NORTH LATITUDE 36.606461

\* SOUTH LATITUDE 33.758487

\* EXTENT CONTAINS THE RESOURCE Yes

##### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 2133737.076773

\* EAST LONGITUDE 3062878.427476

\* SOUTH LATITUDE 21811.268580

\* NORTH LATITUDE 1040001.436920

\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

#### POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - Sweeping Environmental Group

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE originator

#### CONTACT INFORMATION ►

##### PHONE

VOICE 919-707-6136

##### ADDRESS

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[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE  
UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

OTHER MAINTENANCE REQUIREMENTS  
Annual maintenance of this dataset is handled by the Sweeping Environmental Group. 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 - Sweeping Environmental Group  
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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### 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 3048.0060960121928

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.00328083333333333331

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",2000000.0026166666],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 EstuarineWatersAEC

\* OBJECT TYPE composite

\* OBJECT COUNT 45

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME EstuarineWatersAEC

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Polygon

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 45

\* 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 **2019-01-01 00:00:00**  
PUBLICATION DATE **2019-08-28 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 **2019-01-01 00:00:00**  
PUBLICATION DATE **2019-08-28 00:00:00**

*Hide Product specification ▲*

*Hide Data quality report - Conceptual consistency ▲*

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

MEASURE DESCRIPTION

Geometry checks were conducted using ESRI's Data Reviewer tool.

CONFORMANCE TEST RESULTS

TEST PASSED **Yes**  
RESULT EXPLANATION  
**Pass**

PRODUCT SPECIFICATION ►

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2019-01-01 00:00:00

PUBLICATION DATE 2019-08-28 00:00:00

[Hide Product specification ▲](#)

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

[Hide Data Quality ▲](#)

## Lineage ►

### LINEAGE STATEMENT

QL2 Break line data derived from the QL2 LiDAR were obtained from the NC Department of Emergency Management and merged into a single feature. This dataset was compared to the spatial dataset depicting Descriptive Boundaries for Coastal, Joint, and Inland Waters (DBCJIW) and split to share the same boundaries as those described in 15A NCAC 3Q .0200. In cases where the designated geographic terminus of the boundary falls within this open water area, the boundary was extended along the same bearing (when possible) or deflected to intersect the shoreline at the nearest depicted point.

Initial coordination with Cathy Brittingham, NCDOT coordinator for the NC Division of Coastal Management (NCDCM), resulted in the following list of AECs and their importance and use to the NCDOT:

AECs most relevant for NCDOT projects:

- 1) 15A NCAC 07H .0205. COASTAL WETLANDS
- 2) 15A NCAC 07H .0206. ESTUARINE WATERS
- 3) 15A NCAC 07H .0207. PUBLIC TRUST AREAS
- 4) 15A NCAC 07H .0209. COASTAL SHORELINES
- 5) 15A NCAC 07H .0304. AECS WITHIN OCEAN HAZARD AREAS
  - a) OCEAN ERODIBLE AREA,
  - b) INLET HAZARD AREA, AND
  - c) UNVEGETATED BEACH AREA)

AECs very rarely if ever relevant for NCDOT projects:

- 6) 15A NCAC 07H .0304. AECS WITHIN OCEAN HAZARD AREAS (HIGH HAZARD FLOOD AREA).
- 7) 15A NCAC 07H .0405. SMALL SURFACE WATER SUPPLY WATERSHEDS – ONLY DESIGNATIONS FOR
  - a) THE FRESH POND BETWEEN KILL DEVIL HILLS AND NAGS HEAD ON BODIE ISLAND AND ADJACENT CATCHMENT AREA; AND
  - b) THE TOOMERS CREEK WATERSHED.

- 8) 15A NCAC 07H .0406. PUBLIC WATER SUPPLY WELL FIELDS – ONLY DESIGNATION IS FOR CAPE HATTERAS WELL FIELD.
- 9) 15A NCAC 07H .0505. COASTAL AREAS THAT SUSTAIN REMNANT SPECIES – NONE DESIGNATED.
- 10) 15A NCAC 07H .0506. COASTAL COMPLEX NATURAL AREAS – NONE DESIGNATED.
- 11) 15A NCAC 07H .0507. UNIQUE COASTAL GEOLOGIC FORMATIONS – ONLY DESIGNATION IS FOR JOCKEY’S RIDGE.
- 12) 15A NCAC 07H .0509. SIGNIFICANT COASTAL ARCHAEOLOGICAL RESOURCES
- 13) ONLY DESIGNATION IS FOR PERMUDA ISLAND.
- 14) 15A NCAC 07H .0510. SIGNIFICANT COASTAL HISTORIC ARCHITECTURAL RESOURCES – NONE DESIGNATED

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 - Sweeping Environmental Group  
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

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COUNTRY US

E-MAIL ADDRESS [ATLAS@ncdot.gov](mailto:ATLAS@ncdot.gov)

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9:00am – 5:00pm Monday - Friday

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[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 - Sweeping Environmental Group  
CONTACT'S POSITION Environmental Program Consultant  
CONTACT'S ROLE originator

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PROCESS STEP ►

DESCRIPTION

Based on this information, SWEEPing digitized all AECs with geographic boundaries that are suited to approximate mapping efforts. Priority was given to those data that were identified as most relevant to NCDOT projects. Descriptions of AECs, data sources used, and general methods employed are provided below. AECS that were not mapped were:

- dynamic areas requiring specific expertise, such as Inlet Hazard Areas and High Hazard Flood Areas,
- determined to have suitable mapping available, such as Inlet Hazard Areas and Coastal Wetlands, or
- have no designated AEC boundaries, such as Coastal Areas that Sustain Remnant Species, Coastal Historic Architectural Resources, and Coastal Complex Natural Areas.

AECs Mapped

- 1) 15A NCAC 07H .0206. ESTUARINE WATERS
- 2) 15A NCAC 07H .0207. PUBLIC TRUST AREAS
- 3) 15A NCAC 07H .0209. COASTAL SHORELINES
- 4) 15A NCAC 07H .0304. AECS WITHIN OCEAN HAZARD AREAS
  - a) OCEAN ERODIBLE AREA, AND

b) UNVEGETATED BEACH AREA

c) 15A NCAC 07H .0405. SMALL SURFACE WATER SUPPLY WATERSHEDS- THE FRESH POND BETWEEN KILL DEVIL HILLS AND NAGS HEAD ON BODIE ISLAND AND ADJACENT CATCHMENT AREA

5) 15A NCAC 07H .0406. PUBLIC WATER SUPPLY WELL FIELDS –CAPE HATTERAS WELL FIELD.

6) 15A NCAC 07H .0507. UNIQUE COASTAL GEOLOGIC FORMATIONS –JOCKEY’S RIDGE.

7) 15A NCAC 07H .0509. SIGNIFICANT COASTAL ARCHAEOLOGICAL RESOURCES

a) PERMUDA ISLAND.

#### AECs Not Mapped

8) 15A NCAC 07H .0205. COASTAL WETLANDS

9) 15A NCAC 07H .0304. AECS WITHIN OCEAN HAZARD AREAS (HIGH HAZARD FLOOD AREA).

10) 15A NCAC 07H .0505. COASTAL AREAS THAT SUSTAIN REMNANT SPECIES – NONE DESIGNATED.

11) 15A NCAC 07H .0506. COASTAL COMPLEX NATURAL AREAS – NONE DESIGNATED.

12) 15A NCAC 07H .0510. SIGNIFICANT COASTAL HISTORIC ARCHITECTURAL RESOURCES – NONE DESIGNATED.

13) 15A NCAC 07H .0304. AECS WITHIN OCEAN HAZARD AREAS, INLET HAZARD AREAS

14) 15A NCAC 07H .0405. SMALL SURFACE WATER SUPPLY WATERSHEDS – TOOMERS CREEK WATERSHED.

#### PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - Sweeping Environmental Group

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE originator

#### CONTACT INFORMATION ►

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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 ►

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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 [EstuarineWatersAEC](#) ►

\* TYPE Feature Class

\* ROW COUNT 45

#### DEFINITION

All the waters of the Atlantic Ocean within the boundary of North Carolina and all the waters of the bays, sounds, rivers and tributaries thereto seaward of the dividing line between coastal fishing waters and inland fishing waters.

DEFINITION SOURCE  
NCDOT

FIELD OBJECTID ►

- \* ALIAS OBJECTID
- \* 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 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 EstuarineWatersAEC ▲](#)

[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 16:07:12  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-26 14:22:33

### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-01-26 14:22:33

[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](mailto: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 Sweeping Environmental Group. 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 - Sweeping Environmental Group

CONTACT'S POSITION Environmental Program Consultant

CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE

VOICE 919-707-6136

ADDRESS

TYPE physical

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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 Sweeping Environmental field work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre-decisional.

#### CONSTRAINTS

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[Hide Metadata Constraints ▲](#)