

# Small Surface Supply Watershed 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 Small Surface Water Supply Watershed AEC protects coastal drainage basins that contain a public water supply classified as A-II by the N.C. Environmental Management Commission. This classification means that the best use of the water is for public drinking water, and this use must be protected by state regulations.

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 Unique Coastal Geologic Formations Areas of Environmental Concerns (AEC) dataset is a statewide polygon layer depicting catchment areas situated entirely within the coastal area which contain a water body classified as A-II by the Environmental Management Commission. This means the maximum beneficial use of these bodies of water is to serve as public water supply areas. The watershed of the A-II water bodies has been identified by the North Carolina Department of Environment, Health, and Natural Resources for designation by the CRC.

Designated Small Surface Water Supply Watersheds. The CRC has designated the following small surface water supply watersheds and developed detailed standards as set out in this Paragraph:

(1) The fresh pond between Kill Devil Hills and Nags Head on Bodie Island and adjacent catchment area. The Department of Environment, Health, and Natural Resources proposed the fresh water lake on Bodie Island in Dare County as an area of environmental concern.

(A) Both the towns of Nags Head and Kill Devil Hills have water treatment plants which take their raw water from the fresh water lake located between the two towns on Bodie Island. The lake is approximately one-quarter mile west of the U.S. 158 bypass. This fresh water lake is supplied by groundwater from the surrounding landmass and rainfall.

(B) This area is near the Cape Hatteras National Seashore Recreation Area. In addition, Kill Devil Hills is the site of the Wright Brothers Memorial, a national monument. As a major tourist attraction this area draws people from across the east coast. Contamination of the water supply could, therefore, have an effect not only on other areas of the state but the east coast as well.

(C) To adequately protect the fresh pond, it is necessary that construction of septic tanks and other sources of pollution within the limits of the cone of depression be regulated as follows:

(i) Within 500 feet, horizontal distance of the edge of the pond, no construction of sewers, septic tanks nitrification fields or other possible sources of pollution shall be permitted.

(ii) Between the distances of 500 feet and 1200 feet from the edge of the pond, construction of septic tank systems shall be limited to one single septic tank system serving a single family residence not to exceed four bedrooms or its equivalent volume of sewage, on a lot or tract of land not less than 40,000 square feet.

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** -75.661156    **East** -75.648192  
**North** 35.996812    **South** 35.983835

### 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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CREATION DATE 2019-01-01 00:00:00  
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[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

## Citation ▶

TITLE Small Surface Supply Watershed 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 - 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 ▲](#)

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

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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 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 -75.661156

- \* EAST LONGITUDE -75.648192
- \* NORTH LATITUDE 35.996812
- \* SOUTH LATITUDE 35.983835
- \* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE 2987635.991347
- \* EAST LONGITUDE 2991318.152618
- \* SOUTH LATITUDE 829748.640235
- \* NORTH LATITUDE 834350.919744
- \* 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  
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[Hide Contact information ▲](#)

[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 ►

##### PHONE

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[Hide Contact information ▲](#)

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

#### LEGAL CONSTRAINTS

##### LIMITATIONS OF USE

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#### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

##### LIMITATIONS OF USE

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[Hide Resource Constraints ▲](#)

## Spatial Reference ►

### ARCGIS COORDINATE SYSTEM

- \* TYPE Projected
- \* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983
- \* PROJECTION NAD\_1983\_StatePlane\_North\_Carolina\_FIPS\_3200\_Feet
- \* COORDINATE REFERENCE DETAILS

#### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102719  
X ORIGIN -121841900  
Y ORIGIN -93659000  
XY SCALE 3048.0060960121928  
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 SmallSurfaceSupplyWatershedAEC

- \* OBJECT TYPE composite
- \* OBJECT COUNT 3

[Hide Vector ▲](#)



## ARCgis FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME SmallSurfaceSupplyWatershedAEC

- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polygon
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 3
- \* 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

The area of the fresh pond was identified using break lines derived from QL2 LiDAR. The pond boundary was then buffered by 500 feet and 1200 feet for identification of restrictive buffers.

Initial coordination with Cathy Brittingham, NCDOT coordinator for the NC Division of Coastal Management (NCDQM), 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

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 ►

PHONE

VOICE 919-707-6136

ADDRESS

TYPE physical

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COUNTRY US

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

CONTACT INFORMATION ►

PHONE

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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 - 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 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

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27610

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[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

#### DISTRIBUTION FORMAT

\* NAME File Geodatabase Feature Class  
VERSION 10.5

[Hide Distribution ▲](#)

## Fields ►

#### DETAILS FOR OBJECT [SmallSurfaceSupplyWatershedAEC](#) ►

\* TYPE Feature Class  
\* ROW COUNT 3

##### DEFINITION

Catchment areas situated entirely within the coastal area which contain a water body classified as A-II by the Environmental Management Commission. This means the maximum beneficial use of these bodies of water is to serve as public water supply areas

##### 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 SmallSurfaceSupplyWatershedAEC ▲](#)

[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 15:58:41  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-26 20:52:15

AUTOMATIC UPDATES  
HAVE BEEN PERFORMED Yes  
LAST UPDATE 2024-01-26 20:52:15

ITEM LOCATION HISTORY  
ITEM COPIED OR MOVED 2018-07-20 13:57:30  
TO \\ae-file\share\Business\Projects\15\15-020 McCormick Taylor LSA\15-020.08 NCDOT GIS Modeling\0\_SWEEPing\_Projects\06 Open Water ID\CAMA\_Polygons\CAMA\_open\_waters  
FROM C:\Users\ARadecki\Desktop\Axiom Environmental Inc\CAMA\_shapefiles\CAMA\_open\_waters

[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

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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 ▲*