NRCS Riparian Buffer Watersheds Index Mapping, August 2019 - NC Department of Transportation

File Geodatabase Feature Class

Tags

US Department of Agriculture, USDA, Natural Resource Conservation Service, NRCS, Riparian Buffers, Riparian Buffer Watersheds, Index, Soil Survey, Boundaries, Geoscientific, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

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.

This dataset is intended to facilitate the identification of stream lines on USDA-NRCS soil survey maps used to determine if the riparian buffer rules apply. This dataset consists of polygons that represent an index grid of all Soil Survey maps within NC Riparian Buffer watersheds. Each polygon contains a hyperlink to individual soil maps on the USDA NRCS website.

This data is designed to facilitate Riparian Buffer applicability determinations specifically for Natural Resource Technical Report (NRTR) creation, Programmatic Categorical Exclusion (PCE) generation, and all permitting work flows, including Pre-Construction Notification (PCN) form generation.

Description

The NRCS Index Map Riparian Buffer dataset is a statewide polygon layer depicting an index map to all NRCS (Natural Resources Conservation Services) maps.

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 -84.422111   **East**   -75.416034
North 36.617257   **South** 33.730557

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   boundaries, environment, geoscientificInformation, location, transportation

* 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   US Department of Agriculture, USDA, Natural Resource Conservation Service, NRCS, Riparian Buffers, Riparian Buffer Watersheds, Index, Soil Survey, Boundaries, Geoscientific, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

   THESAURUS   ▶
   TITLE   User
   PUBLICATION DATE   2019-08-28   00:00:00
   CREATION DATE   2019-01-01   00:00:00

      Hide Thesaurus ▲

   Hide Topics and Keywords ▲

Citation ▶

TITLE   NRCS Riparian Buffer Watersheds Index Mapping, 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

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   ▶
PHONE
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 ►
  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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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.

ArcGIS ITEM PROPERTIES
  * NAME   NRCSIndexMapsRiparianBufferWatersheds
  * 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
      EXTENT TYPE   Extent used for searching
      WEST LONGITUDE   -84.422111
      EAST LONGITUDE   -75.416034

NORTH LATITUDE　36.617257
SOUTH LATITUDE　33.730557
 * EXTENT CONTAINS THE RESOURCE　Yes

TEMPORAL EXTENT
BEGINNING DATE　2019-01-01　00:00:00
ENDING DATE　2019-01-01　00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM
 * WEST LONGITUDE　1033574.018245
 * EAST LONGITUDE　3007676.503103
 * SOUTH LATITUDE　369997.673256
 * NORTH LATITUDE　1003010.335378
 * 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　▶
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VOICE　919-707-6136

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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
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MAINTENANCE 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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  Hide Resource Maintenance ▲

Resource Constraints ▶

  CONSTRAINTS
    LIMITATIONS OF USE

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    LIMITATIONS OF USE
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      in this data.

  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   3048.0060960121928
  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   NRCSIndexMapsRiparianBufferWatersheds
  * OBJECT TYPE   composite
  * OBJECT COUNT   943

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME NRCSIndexMapsRiparianBufferWatersheds
  * FEATURE TYPE Simple
  * GEOMETRY TYPE Polygon
  * HAS TOPOLOGY FALSE
  * FEATURE COUNT 943
  * 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 - 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
    PUBLICATION DATE 2019-08-28 00:00:00
    CREATION DATE 2019-01-01 00:00:00

    Hide Product specification ▲

  Hide Data quality report - Conceptual consistency ▲

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
   PUBLICATION DATE   2019-08-28   00:00:00
   CREATION DATE   2019-01-01   00:00:00

   Hide Product specification ▲

Hide Data quality report - Completeness omission ▲

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
       NRCS Soil Index maps for counties with Riparian Buffer Rules were downloaded from the USDA NRCS
       website and georeferenced to their county outlines using the ncgov/counties map service from
       nconemap.gov. A grid was digitized and a single feature per soil map or inset was created for each
       county. The county index grids were clipped to their county extents and merged to form a seamless
       single dataset. The attribute table contains a hyperlink field to provide direct access to the web
       location of each soil map.

PROCESS STEP   ▶
   DESCRIPTION
       NRCS Soil Index maps were downloaded from the USDA NRCS website and georeferenced to their
       county outlines using the ncgov/counties map service from nconemap.gov.
       A grid was digitized and a single feature per soil map or inset was created for each county.

The county index grids were clipped to their county extents and merged to form a seamless single dataset.

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
    POSTAL CODE   27610
    COUNTRY   US
    E-MAIL ADDRESS   ATLAS@ncdot.gov

   HOURS OF SERVICE
   9:00am – 5:00pm Monday - Friday

   CONTACT INSTRUCTIONS
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   Hide Contact information ▲

  Hide Process step ▲

PROCESS STEP   ▶
 DESCRIPTION
   Point data was reviewed in ESRI's Data Reviewer tool to verify geometry. Overlapping geometries in the dataset were found and corrected.

PROCESS CONTACT
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 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 - 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 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
  DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
  CITY   Raleigh
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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 NRCSIndexMapsRiparianBufferWatersheds   ▶
  * TYPE   Feature Class
  * ROW COUNT   943
  DEFINITION
      Index to NRCS Maps

  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 County ▶

ALIAS CountyName
* DATA TYPE String
* WIDTH 25
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   County Name

DESCRIPTION SOURCE
   NCDOT

Hide Field County ▲

FIELD CoFIPS ▶

* ALIAS CountyFIPS
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
   3 digit county FIPS number

DESCRIPTION SOURCE
   NCDOT

Hide Field CoFIPS ▲

FIELD MapSheetNo ▶

ALIAS MapSheetNumber
* DATA TYPE String
* WIDTH 3
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Map number for that county as shown on the NRCS index map

DESCRIPTION SOURCE
NCDOT

Hide Field MapSheetNo ▲

FIELD SoilMapID ▶

ALIAS SoilMapIdentifier
* DATA TYPE String
* WIDTH 50
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Unique soil map ID but not always unique to this dataset because of insets present on some map sheets.

DESCRIPTION SOURCE
NCDOT

Hide Field SoilMapID ▲

FIELD NRCSMapURL ▶

ALIAS USDANRCSMapURL
* DATA TYPE String
* WIDTH 150
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Hyperlink to each USDA NRCS soil map

DESCRIPTION SOURCE
NCDOT

Hide Field NRCSMapURL ▲

FIELD Inset ▶

ALIAS InsetFeature
* DATA TYPE SmallInteger
* WIDTH 2
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Whether the feature corresponds to a map inset (1) or not (0)

DESCRIPTION SOURCE

NCDOT

Hide Field Inset ▲

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 NRCSIndexMapsRiparianBufferWatersheds ▲

 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
  STANDARD OR PROFILE USED TO EDIT METADATA   ISO19139
  METADATA STYLE   ISO 19139 Metadata Implementation Specification

  CREATED IN ARCGIS FOR THE ITEM   2024-02-01   15:59:46
  LAST MODIFIED IN ARCGIS FOR THE ITEM   2024-01-30   09:42:22

  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED   Yes
    LAST UPDATE   2024-01-30   09:42:22

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   ►
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Metadata Maintenance ►

MAINTENANCE
  UPDATE FREQUENCY   as needed

OTHER MAINTENANCE REQUIREMENTS
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Datasets developed under Project ATLAS do not replace any Sweeping Environmental report 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.

SECURITY CONSTRAINTS
CLASSIFICATION   unclassified
CLASSIFICATION SYSTEM   None

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