Stormwater Controls Measures, August 2022 - NC Department of Transportation

File Geodatabase Feature Class

Tags

Stormwater Control Management System, stormwater control measures, SCM, Highway Stormwater Program, HSP, Eastern Seaboard, Atlantic Coast, Hydraulics, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in July 2022 as part of the Project ATLAS initiative at NCDOT to support the Hydraulics Unit with project delivery in the development phase.

Stormwater Controls are efforts to separate pollutants from stormwater in order to prevent the pollutants from entering streams. This dataset was created to identify the location of the stormwater control measures (SCM) within ATLAS. The Highway Stormwater Program (HSP), established in 1998, is a North Carolina Department of Transportation (NCDOT) initiative to protect and improve water quality. This initiative is designed to support NCDOT's mission of connecting people and places safely and efficiently, with accountability and environmental sensitivity, to enhance the economy, health, and well-being of North Carolina.

Description

The Stormwater Control Measures dataset is a statewide point layer depicting locations of stormwater controls infrastructure in North Carolina.

NCDOT manages stormwater by implementing Stormwater Control Measures (SCM) based on approved design requirements, maintaining existing SCMs, conducting research on performance of SCMs, implementing stormwater retrofits, and through various other programs. The HSP also facilitates compliance with NCDOT's National Pollutant Discharge Elimination Systems (NPDES) Phase I permit. This includes Phase II requirements and is co-managed by the NCDOT Hydraulics Unit and Roadside Environmental Unit, with support and infield implementation by other NCDOT personnel and contractors.

The HSP is guided by the following principles:

- -To comply with NPDES Stormwater Permit requirements by managing and minimizing stormwater pollutants from roadway systems and industrial areas

- -To design sustainable programs that can be effectively managed, implemented, and integrated into NCDOT

- -To develop solutions to improve program delivery that are proactive, form partnerships, have technical merit, and are fiscally responsible

Many HSP programs rely on geospatial data for analysis and decision-making. The HSP maintains a centralized geodatabase to support this need. Most of the data in the database is published through the Web-based Environmental Sensitivity Maps (ESM). A few datasets are created by and maintained by the HSP, but the majority of the datasets are owned by other entities (including the NCDOT GIS Unit. The frequency of updates is different for each dataset and is tracked in the ESM Data Management Tool.

Datasets developed under Project ATLAS do not replace any Hydraulics Unit 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 Hydraulics Unit within NCDOT was tasked to create this dataset.

Maintenance of this dataset is handled by the Hydraulics Unit. 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	-84.113269	**East**	-75.488522
North	36.572492	**South**	33.775516

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, inlandWaters, location, transportation, environment

* CONTENT TYPE Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

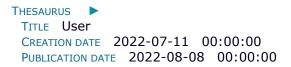PLACE KEYWORDS North Carolina

THESAURUS ▶
TITLE User
CREATION DATE 2022-07-11 00:00:00
PUBLICATION DATE 2022-08-08 00:00:00

Hide Thesaurus ▲

THEME KEYWORDS Stormwater Control Management System, stormwater control measures, SCM, Highway Stormwater Program, HSP, Eastern Seaboard, Atlantic Coast, Hydraulics, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

THESAURUS ▶
TITLE User
CREATION DATE 2022-07-11 00:00:00
PUBLICATION DATE 2022-08-08 00:00:00

Citation ▶

TITLE   Stormwater Controls Measures, August 2022 - NC Department of Transportation
CREATION DATE   2022-07-11   00:00:00
PUBLICATION DATE   2022-08-08   00:00:00

PRESENTATION FORMATS   digital map
FGDC GEOSPATIAL PRESENTATION FORMAT   vector digital data

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
      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.

RESPONSIBLE PARTY
  ORGANIZATION'S NAME   North Carolina Department of Transportation - Hydraulics Unit
  CONTACT'S POSITION   Engineering Supervisor
  CONTACT'S ROLE   originator

  CONTACT INFORMATION   ▶
    PHONE
      VOICE   919-707-6700

    ADDRESS
      TYPE
      DELIVERY POINT   1000 Birch Ridge Drive
      CITY   Raleigh

ADMINISTRATIVE AREA   NC
POSTAL CODE   27610
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   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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   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 Hydraulics Unit within NCDOT was tasked to create this dataset.

   Maintenance of this dataset is handled by the Hydraulics Unit. 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   -84.125201
      EAST LONGITUDE   -75.426058
      SOUTH LATITUDE   33.829738
      NORTH LATITUDE   36.556356
      EXTENT CONTAINS THE RESOURCE   Yes

  TEMPORAL EXTENT
    BEGINNING DATE   2022-07-11   00:00:00
    ENDING DATE   2022-07-11   00:00:00

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT TYPE   Extent used for searching
      * WEST LONGITUDE   -84.113269
      * EAST LONGITUDE   -75.488522
      * NORTH LATITUDE   36.572492
      * SOUTH LATITUDE   33.775516
      * EXTENT CONTAINS THE RESOURCE   Yes

  EXTENT IN THE ITEM'S COORDINATE SYSTEM
    * WEST LONGITUDE   496903.792047
    * EAST LONGITUDE   3031751.358825
    * SOUTH LATITUDE   46748.915555
    * NORTH LATITUDE   1027325.344162
    * 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

  CONTACT INFORMATION   ▶
    PHONE
      VOICE   919-707-6136

    ADDRESS
      TYPE
      DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
      CITY   Raleigh
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      COUNTRY   US
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      number or indicate as such in the subject line in an email.

Resource Maintenance ▶

RESOURCE MAINTENANCE
  UPDATE FREQUENCY   as needed

  SCOPE OF THE UPDATES   dataset

  OTHER MAINTENANCE REQUIREMENTS
        The Hydraulics Unit within NCDOT was tasked to create this dataset.
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        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

    CONTACT INFORMATION   ▶
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Resource Constraints ▶

LEGAL CONSTRAINTS
  LIMITATIONS OF USE
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        and positional accuracy of the data. This data cannot be construed to be a legal document. Primary
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SECURITY CONSTRAINTS
  CLASSIFICATION   unclassified

  LIMITATIONS OF USE
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      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
      group 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.

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  LIMITATIONS OF USE

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      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.

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_19
      83",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM[
      "Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],P
      ARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Cen
      tral_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],A
      UTHORITY["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   StormwaterControlsMeasures
* OBJECT TYPE   point
* OBJECT COUNT   1947

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
FEATURE CLASS NAME   StormwaterControlsMeasures
* FEATURE TYPE   Simple
* GEOMETRY TYPE   Point
* HAS TOPOLOGY   FALSE
* FEATURE COUNT   1947
* 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   2022-07-11   00:00:00
PUBLICATION DATE   2022-01-28   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   2022-07-11   00:00:00
PUBLICATION DATE   2022-01-28   00:00:00

Hide Product specification ▲

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY   ►
MEASURE DESCRIPTION
Stormwater control measures from the raw data output are deleted from the dataset if they are listed as being "Inactive", "Preliminary", or "Removed". Preliminary means that they are in the design phase, and Removed means they no longer exist physically. Once the feature class is generated, the data is displayed against a map of North Carolina to conduct a reasonability check. The points are examined to see if they fall within the boundary of the state. Any points that fail this check are investigated and either removed or adjusted to the correct location.

CONFORMANCE TEST RESULTS
TEST PASSED   Yes
RESULT EXPLANATION
Pass

PRODUCT SPECIFICATION   ►
TITLE   NCDOT Geospatial Data Specifications
CREATION DATE   2022-07-11   00:00:00
PUBLICATION DATE   2022-01-28   00:00:00

Lineage ►

LINEAGE STATEMENT

The Stormwater Controls data that is used to create a GIS feature class is stored in NCDOT's Stormwater Control Management System (SCMS) database, which is hosted by NCDOT's Information Technology unit.

To request the data, contact Zak Whitaker (e-mail: zwhitaker@ncdot.gov; telephone: (919) 707-2066). When requesting the data, be sure to specify that it should be provided in a Microsoft Excel spreadsheet file format

PROCESS STEP   ►
DESCRIPTION

Geodatabase was forwarded on to the GIS Unit for publishing as part of data for project ATLAS.

PROCESS CONTACT
ORGANIZATION'S NAME   North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
CONTACT'S POSITION   Environmental Program Consultant
CONTACT'S ROLE   point of contact

CONTACT INFORMATION   ►
PHONE
VOICE   919-707-6136

ADDRESS
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27610
COUNTRY   US
E-MAIL ADDRESS   ATLAS@ncdot.gov

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

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PROCESS STEP   ►
DESCRIPTION

Data was reviewed in ESRI's Data Reviewer tool to verify geometry. No legitimate errors were found.

PROCESS CONTACT
  ORGANIZATION'S NAME   North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
  CONTACT'S POSITION   Environmental Program Consultant
  CONTACT'S ROLE   point of contact

    CONTACT INFORMATION   ▶
    PHONE
      VOICE   919-707-6136

    ADDRESS
      DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
      CITY   Raleigh
      ADMINISTRATIVE AREA   NC
      POSTAL CODE   27610
      COUNTRY   US
      E-MAIL ADDRESS   ATLAS@ncdot.gov

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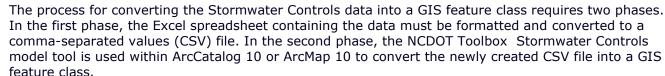   9:00am – 5:00pm Monday - Friday

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    number or indicate as such in the subject line in an email.

    Hide Contact information ▲

  Hide Process step ▲

PROCESS STEP   ▶
  DESCRIPTION
        The process for converting the Stormwater Controls data into a GIS feature class requires two phases.
        In the first phase, the Excel spreadsheet containing the data must be formatted and converted to a
        comma-separated values (CSV) file. In the second phase, the NCDOT Toolbox Stormwater Controls
        model tool is used within ArcCatalog 10 or ArcMap 10 to convert the newly created CSV file into a GIS
        feature class.

        When converting the CSV file into a GIS feature class, the Stormwater Controls model tool completes
        the following operations:
        1. The CSV file containing the Stormwater Controls data is converted to an event theme.
        2. The event theme is converted to a file geodatabase feature class.
        3. The state plane coordinates for the features are incorporated into the feature class.

        Inputs/Outputs
        To complete the procedures in this document, the following input is needed:
        • A Microsoft Excel spreadsheet containing Stormwater Controls data exported from NCDOT's SCMS
        database
        When the procedure is completed successfully, the following output is created:
        • A GIS feature class containing Stormwater Controls data in a format ready to load to the ESM
        ArcSDE database

        For more details on the methodology please refer "Process Documentation for Creating a Stormwater
        Controls Feature Class", AECOM (2012).

PROCESS CONTACT
  ORGANIZATION'S NAME   North Carolina Department of Transportation - Hydraulics Unit
  CONTACT'S POSITION   State Hydraulics Engineer
  CONTACT'S ROLE   originator

    CONTACT INFORMATION   ►
      PHONE
        VOICE   919-707-6700

      ADDRESS
        DELIVERY POINT   1000 Birch Ridge Drive
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        ADMINISTRATIVE AREA   NC
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        COUNTRY   US
        E-MAIL ADDRESS   ATLAS@ncdot.gov

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

      CONTACT INSTRUCTIONS
      The features in this dataset are linked to the Hydraulics Reservoir on the NCDOT Connect Sharepoint
      Site. Please contact the Hydraulics Unit for access to the associated document or any other questions
      related to this dataset.

      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
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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 StormwaterControlsMeasures ▶
* TYPE   Feature Class
* ROW COUNT   1947
DEFINITION
Stormwater Control measures in North Carolina

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 ControlID ►
  * ALIAS ControlID
  * DATA TYPE Integer
  * WIDTH 4
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Sequentially-numbered unique identifier assigned to each SCM by the database.

  DESCRIPTION SOURCE
    NCDOT

  Hide Field ControlID ▲

FIELD Description ►
  * ALIAS Description
  * DATA TYPE String
  * WIDTH 100
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Description of the SCM

  DESCRIPTION SOURCE
    NCDOT

  Hide Field Description ▲

FIELD Status ►
  * ALIAS Status
  * DATA TYPE String
  * WIDTH 50
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Indicates if the SCM is in service

  DESCRIPTION SOURCE
    NCDOT

  LIST OF VALUES
    VALUE Active
    DESCRIPTION SCM is active
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

    VALUE Active - no inspection required
    DESCRIPTION SCM is active and no inspection is required

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field Status ▲

FIELD Retrofit ▶
* ALIAS   Retrofit
* DATA TYPE   Integer
* WIDTH   4
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Indicates if the SCM is counted toward NCDOT's retrofit requirements (1=Yes and 0=No)

DESCRIPTION SOURCE
    NCDOT

LIST OF VALUES
    VALUE   1
    DESCRIPTION   Yes, counted toward NCDOT's retrofit requirements
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   2
    DESCRIPTION   No, not counted toward NCDOT's retrofit requirements
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field Retrofit ▲

FIELD Research ▶
* ALIAS   Research
* DATA TYPE   String
* WIDTH   5
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Indicates if the SCM was part of an NCDOT research project. (1 - Yes and 0 = No)

DESCRIPTION SOURCE
    NCDOT

LIST OF VALUES
    VALUE   1
    DESCRIPTION   Yes, SCM was part of an NCDOT research project
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   2
    DESCRIPTION   No, SCM was not part of an NCDOT research project
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   NULL
    DESCRIPTION   N/A
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field Research ▲

FIELD StatePermit ▶
* ALIAS   StatePermit

* **DATA TYPE**   Integer
* **WIDTH**   4
* **PRECISION**   0
* **SCALE**   0

FIELD DESCRIPTION
   Indicates if the SCM required a State permit. NCDOT is no longer subject to State permit requirements. (1 = Yes and 0 = No)

DESCRIPTION SOURCE
   NCDOT

LIST OF VALUES
   VALUE   1
   DESCRIPTION   Yes, SCM requires State permit
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   0
   DESCRIPTION   No, SCM does not require State permit
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   Hide Field StatePermit ▲

FIELD TempSNo ▶
* **ALIAS**   TemporarySerialNumber
* **DATA TYPE**   String
* **WIDTH**   50
* **PRECISION**   0
* **SCALE**   0

FIELD DESCRIPTION
   Temporary Serial Number until verified

DESCRIPTION SOURCE
   NCDOT

   Hide Field TempSNo ▲

FIELD SNo ▶
* **ALIAS**   SerialNumber
* **DATA TYPE**   String
* **WIDTH**   50
* **PRECISION**   0
* **SCALE**   0

FIELD DESCRIPTION
   Verified Serial Number derived from NCDOT Division, county number, SCM type, and unique 4-digit code

DESCRIPTION SOURCE
   NCDOT

   Hide Field SNo ▲

FIELD Route ▶
* **ALIAS**   Route
* **DATA TYPE**   String
* **WIDTH**   50
* **PRECISION**   0

* SCALE   0
FIELD DESCRIPTION
    Roadway Name

DESCRIPTION SOURCE
    NCDOT

Hide Field Route ▲

FIELD NearestTown ▶
  * ALIAS   NearestTown
  * DATA TYPE   String
  * WIDTH   30
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    The name of nearest town

  DESCRIPTION SOURCE
    NCDOT

Hide Field NearestTown ▲

FIELD Lat ▶
  * ALIAS   Lat
  * DATA TYPE   Double
  * WIDTH   8
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    Latitude (Decimal Degree)

  DESCRIPTION SOURCE
    NCDOT

Hide Field Lat ▲

FIELD Long ▶
  * ALIAS   Long
  * DATA TYPE   Double
  * WIDTH   8
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
    Longitude (Decimal Degree)

  DESCRIPTION SOURCE
    NDOT

Hide Field Long ▲

FIELD TIPNo ▶
  * ALIAS   TIPNumber
  * DATA TYPE   String
  * WIDTH   70

* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Transportation Improvement Project (TIP) number associated with SCM if any.

DESCRIPTION SOURCE
   NCDOT

Hide Field TIPNo ▲

FIELD Notes ►
* ALIAS   Notes
* DATA TYPE   String
* WIDTH   500
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Field notes referencing the condition, maintenance, location, or other descriptions pertaining to the stormwater control.

DESCRIPTION SOURCE
   NCDOT

Hide Field Notes ▲

FIELD InspFreq ►
* ALIAS   InspectionFrequency
* DATA TYPE   Integer
* WIDTH   4
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Require frequency of inspection in months.

DESCRIPTION SOURCE
   NCDOT

Hide Field InspFreq ▲

FIELD InspFreqEscalated ►
* ALIAS   InspectionFrequencyEscalated
* DATA TYPE   Integer
* WIDTH   4
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   Is the inspection frequency escalated? (1 = Yes and 0 = No)

DESCRIPTION SOURCE
   NCDOT

LIST OF VALUES
   VALUE   1
   DESCRIPTION   Yes, inspection frequency escalated
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   2

DESCRIPTION   No, inspection frequency not escalated
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field InspFreqEscalated ▲

FIELD RouteTyp ▶
* ALIAS   RouteType
* DATA TYPE   String
* WIDTH   5
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Roadway Type

DESCRIPTION SOURCE
    NCDOT

Hide Field RouteTyp ▲

FIELD CreatedOn ▶
* ALIAS   CreatedOn
* DATA TYPE   Date
* WIDTH   8
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Date the feature location and information was captured.

DESCRIPTION SOURCE
    NCDOT

Hide Field CreatedOn ▲

FIELD SPX ▶
* ALIAS   StatePlaneX
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    State Plane Coordinates X (NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet)

DESCRIPTION SOURCE
    NCDOT

Hide Field SPX ▲

FIELD SPY ▶
* ALIAS   StatePlaneY
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION

State Plane Coordinates Y (NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet)

DESCRIPTION SOURCE
  NCDOT

Hide Field SPY ▲

FIELD **LocDesc** ►
  * ALIAS LocationDescription
  * DATA TYPE String
  * WIDTH 300
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Physical description of location of stormwater control

  DESCRIPTION SOURCE
    NCDOT

  Hide Field LocDesc ▲

FIELD **LastUpdated** ►
  * ALIAS LastUpdated
  * DATA TYPE Date
  * WIDTH 8
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Date of latested update to location or attribute information.

  DESCRIPTION SOURCE
    NCDOT

  Hide Field LastUpdated ▲

FIELD **UpdateBy** ►
  * ALIAS UpdateBy
  * DATA TYPE String
  * WIDTH 50
  * PRECISION 0
  * SCALE 0
  FIELD DESCRIPTION
    Field crew initials who collected the feature location and attributee information

  DESCRIPTION SOURCE
    NCDOT

  Hide Field UpdateBy ▲

FIELD **County** ►
  * ALIAS CountyName
  * DATA TYPE String
  * WIDTH 20
  * PRECISION 0

* SCALE   0
FIELD DESCRIPTION
   Name of County the SCM is located in.

DESCRIPTION SOURCE
   NCDOT

Hide Field County ▲

FIELD LOSRank ▶
 * ALIAS   LOSRank
 * DATA TYPE   String
 * WIDTH   5
 * PRECISION   0
 * SCALE   0
FIELD DESCRIPTION
   Level of Service rating indicating the functionality of the SCM.

DESCRIPTION SOURCE
   NCDOT

LIST OF VALUES
   VALUE   A
   DESCRIPTION   Some aging and wear has occurred, but no structural deterioration or maintenance needs were found. Device is functioning properly.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   B
   DESCRIPTION   Minor structural deterioration and/or maintenance needs were found, but function of the device has not been affected.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   C
   DESCRIPTION   Moderate structural deterioration and/or maintenance needs were found, but function of the device has not been significantly affected.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   D
   DESCRIPTION   Serious deterioration in at least one structural component and/or major maintenance needs were found. Function of the device is inadequate.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

   VALUE   F
   DESCRIPTION   Device is no longer functional due to the general or complete failure of a major structural component and/or the lack of adequate maintenance.
   ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field LOSRank ▲

FIELD PtX ▶
 * ALIAS   XLonDD
 * DATA TYPE   Double
 * WIDTH   8
 * PRECISION   0
 * SCALE   0
FIELD DESCRIPTION
   Longitude (Decimal Degree)

DESCRIPTION SOURCE
    NCDOT

Hide Field PtX ▲

FIELD PtY ▶
  ALIAS YLatDD
  DATA TYPE Double
  WIDTH 8
  PRECISION 0
  SCALE 0
  FIELD DESCRIPTION
    Latitude (Decimal Degree)

DESCRIPTION SOURCE
    NCDOT

Hide Field PtY ▲

FIELD IsOverdue ▶
  ALIAS IsOverdue
  DATA TYPE Integer
  WIDTH 4
  PRECISION 0
  SCALE 0
  FIELD DESCRIPTION
    Is overdue for inspection. (1 = Yes and 0 = No).

DESCRIPTION SOURCE
    NCDOT

LIST OF VALUES
  VALUE 1
  DESCRIPTION Yes, overdue for inspection
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

  VALUE 0
  DESCRIPTION No, not overdue for inspection
  ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field IsOverdue ▲

FIELD IsFailing ▶
  ALIAS IsFailing
  DATA TYPE Integer
  WIDTH 4
  PRECISION 0
  SCALE 0
  FIELD DESCRIPTION
    The SCM is not functioning as designed. (1 = Yes and 0 = No).

DESCRIPTION SOURCE
    NCDOT

LIST OF VALUES
  VALUE 1
  DESCRIPTION Yes, SCM is not functioning as designed

ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

VALUE   0
DESCRIPTION   No, SCM is functioning as designed
ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

Hide Field IsFailing ▲

FIELD NonStruct ▶
  * ALIAS   NonStruct
  * DATA TYPE   Integer
  * WIDTH   4
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
      The SCM is a nonstructural device or practice. (1 = Yes and 0 = No).

  DESCRIPTION SOURCE
      NCDOT

  LIST OF VALUES
    VALUE   1
    DESCRIPTION   Yes, SCM is a nonstructural device or practice
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   0
    DESCRIPTION   No, SCM is not a nonstructural device or practice
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  Hide Field NonStruct ▲

FIELD TotalControls ▶
  * ALIAS   TotalControls
  * DATA TYPE   Integer
  * WIDTH   4
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
      Total number of SCMs at the location. (1 = multiple controls and 0 = 1 control).

  DESCRIPTION SOURCE
      NCDOT

  LIST OF VALUES
    VALUE   1
    DESCRIPTION   Multiple controls at the location
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

    VALUE   0
    DESCRIPTION   1 control at the location
    ENUMERATED DOMAIN VALUE DEFINITION SOURCE   NCDOT

  Hide Field TotalControls ▲

FIELD RoadTier ▶
  * ALIAS   RoadTier

* **DATA TYPE** String
* **WIDTH** 20
* **PRECISION** 0
* **SCALE** 0

FIELD DESCRIPTION

Road tier based on NCDOT snow treatment policy.

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Not Listed
DESCRIPTION Not Listed
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Interstate
DESCRIPTION Interstate
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Primary
DESCRIPTION Primary
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Secondary
DESCRIPTION Secondary
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field RoadTier ▲

FIELD TierType ▶
* **ALIAS** TierType
* **DATA TYPE** String
* **WIDTH** 20
* **PRECISION** 0
* **SCALE** 0

FIELD DESCRIPTION

Road Tier Type based on region

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Not Listed
DESCRIPTION Not Listed
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Statewide
DESCRIPTION Statewide
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Regional
DESCRIPTION Regional
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Subregion
DESCRIPTION Subregion
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field TierType ▲

FIELD EngAlert ▶
  * ALIAS   EngineerAlert
  * DATA TYPE   String
  * WIDTH   450
  * PRECISION   0
  * SCALE   0
  FIELD DESCRIPTION
      Engineering alert message for each feature

  DESCRIPTION SOURCE
      NCDOT

      Hide Field EngAlert ▲

      Hide Details for object StormwaterControlsMeasures ▲

Hide Fields ▲

Metadata Details ▶

METADATA LANGUAGE   English (UNITED STATES)
METADATA CHARACTER SET   utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA   dataset
SCOPE NAME   * dataset

* LAST UPDATE   2024-01-26

ARCGIS METADATA PROPERTIES
  METADATA FORMAT   ArcGIS 1.0
  STANDARD OR PROFILE USED TO EDIT METADATA   ISO19139
  METADATA STYLE   ISO 19139 Metadata Implementation Specification

  CREATED IN ARCGIS FOR THE ITEM   2024-02-01   14:04:02
  LAST MODIFIED IN ARCGIS FOR THE ITEM   2024-01-26   11:27:40

  AUTOMATIC UPDATES
    HAVE BEEN PERFORMED   Yes
    LAST UPDATE   2024-01-26   11:27:40

Hide Metadata Details ▲

Metadata Contacts ▶

METADATA CONTACT
  ORGANIZATION'S NAME   North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
  CONTACT'S POSITION   Environmental Program Consultant
  CONTACT'S ROLE   point of contact

    CONTACT INFORMATION   ▶
    PHONE
      VOICE   919-707-6136

    ADDRESS

DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27610
COUNTRY   US
E-MAIL ADDRESS   ATLAS@ncdot.gov

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

CONTACT INSTRUCTIONS
Please send an email with any issues, questions or comments regarding the ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE
UPDATE FREQUENCY   as needed

OTHER MAINTENANCE REQUIREMENTS
The Hydraulics Unit within NCDOT was tasked to create this dataset.
Maintenance of this dataset is handled by the Hydraulics Unit. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

MAINTENANCE CONTACT
ORGANIZATION'S NAME   North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
CONTACT'S POSITION   Environmental Program Consultant
CONTACT'S ROLE   point of contact

CONTACT INFORMATION   ▶
PHONE
VOICE   919-707-6136

ADDRESS
TYPE
DELIVERY POINT   Century Center Building B, 1020 Birch Ridge Drive
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Hide Metadata Maintenance ▲

Metadata Constraints ▶

Hide Metadata Constraints ▲