North Carolina Transportation District Boundaries, 2022 - NC Department of Transportation

File Geodatabase Feature Class



Tags

NC, North Carolina, NC OneMap, Department of Public Safety, DPS, North Carolina Emergency Management, NCEM, North Carolina Geodetic Survey, NC Geodetic Survey, NCGS, boundaries, location, County Boundary, State Boundary, State, County, NCDOT District Boundary

Summary

Base Mapping for NCDOT District Boundary Polygons. This feature class allows 39 District polygons to be symbolized. NCDOT Divisions are made up of multiple Districts.

Description

North Carolina Dept. of Transportation District Polygons as selected from the County Boundary feature class. Refer to the 'County Boundary as Lines' to find out the source of the lines using the field attribute for 'DESC'. Most of the lines currently are from the DOT county maps which originally come from USGS but might have been updated by the county parcel maps. NCDOT Districts are made up of a single to multiple North Carolina counties. The North Carolina county boundary service provides location information for North Carolina County Boundary lines derived from the best available survey and/or Geographic Information System (GIS) data. Sources for information are the North Carolina Geodetic Survey (NCGS), NC Department of Transportation (NCDOT), United States Geological Survey (USGS), and field surveys conducted by licensed surveyors.

Credits

North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

Use limitations

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Extent

West -84.422109 East -75.416032

North 36.617254 South 33.730554

Scale Range

Maximum (zoomed in) 1:500,000

ArcGIS Metadata ▶

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE boundaries, location

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS North Carolina

TITLE User

PUBLICATION DATE 2024-02-12 00:00:00

THEME KEYWORDS Polygons, boundaries, location, County Boundary, State Boundary, State, County, NCDOT District Boundary

THESAURUS ►

TITLE User

PUBLICATION DATE 2024-02-12 00:00:00

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Hide Thesaurus ▲

Citation >

TITLE North Carolina Transportation District Boundaries, 2022 - NC Department of Transportation

ALTERNATE TITLES NCDOT District Boundaries

PUBLICATION DATE 2024-02-12 00:00:00

CREATION DATE 2011-11-30 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 Geodetic Survey

CONTACT'S POSITION GIS Manager

CONTACT'S ROLE originator

CONTACT INFORMATION

PHONE

VOICE 919-733-3836

ADDRESS

Type physical

DELIVERY POINT 4105 Reedy Creek Rd

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27607

COUNTRY US

E-MAIL ADDRESS watson.ross@ncdps.gov

HOURS OF SERVICE

Hours: 9:00am - 5:00pm Monday - Friday

CONTACT INSTRUCTIONS

Please send an email with any issues, questions, or comments regarding the data. 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 Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE resource provider

CONTACT INFORMATION

ADDRESS

TYPE physical

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27610

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

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Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS on-going

SPATIAL REPRESENTATION TYPE **vector**

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.8.1.14362

CREDITS

North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation

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Hide Resource Details A

Extents ▶

EXTENT

DESCRIPTION

publication date

TEMPORAL EXTENT

DATE AND TIME 2020-08-19 00:00:00

EXTENT

DESCRIPTION

geographic extent

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.422111

EAST LONGITUDE -75.416034

SOUTH LATITUDE 33.730557

NORTH LATITUDE 36.617257

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -84.422109

```
* EAST LONGITUDE -75.416032
```

* NORTH LATITUDE 36.617254

* SOUTH LATITUDE 33.730554

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 406832.617203

* EAST LONGITUDE 3052480.011593

* SOUTH LATITUDE 34987.933500

* NORTH LATITUDE 1043624.399491

* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Points of Contact ▶

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE point of contact

CONTACT INFORMATION >

ADDRESS

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Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Scope of the updates dataset

OTHER MAINTENANCE REQUIREMENTS

Updated August 2020 to correct minor error in Orange-Chatham boundary, and to update portion of Burke-McDowell boundary.

Updated March 2022 to correct county District numbers.

OTHER MAINTENANCE REQUIREMENTS

North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation

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MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

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CONTACT'S ROLE point of contact

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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

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Hide Resource Constraints ▲

Spatial Reference >

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * Projection NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

Well-known identifier 102719

X ORIGIN -121841900

Y ORIGIN -93659000

XY SCALE 3048.0060960121918

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.00328083333333333333

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["Gree nwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMET ER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridi an",-

REFERENCE SYSTEM IDENTIFIER

VALUE 2264

* CODESPACE EPSG

* VERSION 6.12(9.0.0)

Hide Spatial Reference ▲

Spatial Data Properties ▶

VECTOR >

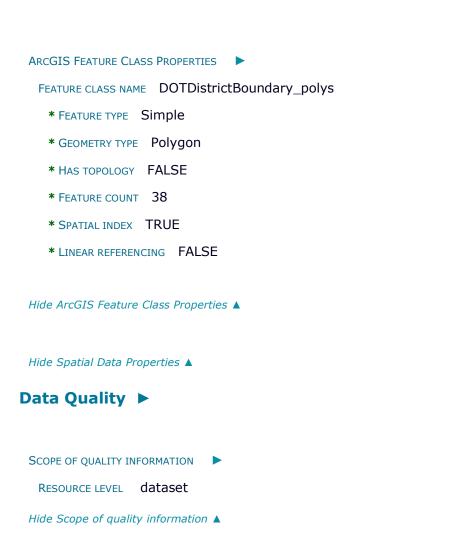
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME DOTDistrictBoundary_polys

* OBJECT TYPE composite

* OBJECT COUNT 38



DATA QUALITY REPORT - COMPLETENESS COMMISSION

MEASURE DESCRIPTION

Features have been checked for completeness. There are no measurement, precision, spatial, or data schema standards assigned to this data set.

CONFORMANCE TEST RESULTS
TEST PASSED Yes

RESULT EXPLANATION

Pass.

```
CREATION DATE 2024-02-12 00:00:00
    PUBLICATION DATE 2024-02-12 00:00:00
   Hide Product specification lacktrian
Hide Data quality report - Completeness commission ▲
DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY
 MEASURE DESCRIPTION
      Tests for integrity have not been performed.
 CONFORMANCE TEST RESULTS
   TEST PASSED Yes
   RESULT EXPLANATION
      Pass.
   PRODUCT SPECIFICATION >
    TITLE NCDOT Geospatial Data Specifications
    CREATION DATE 2024-02-12 00:00:00
    PUBLICATION DATE 2024-02-12 00:00:00
   Hide Product specification ▲
Hide Data quality report - Conceptual consistency ▲
DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY
 MEASURE DESCRIPTION
```

There are no measurement, precision, spatial, or data schema standards assigned to this data set.

CONFORMANCE TEST RESULTS
TEST PASSED Yes

RESULT EXPLANATION

Pass.

PRODUCT SPECIFICATION >

TITLE NCDOT Geospatial Data Specifications

CREATION DATE 2024-02-12 00:00:00

PUBLICATION DATE 2024-02-12 00:00:00

Hide Product specification ▲

Hide Data quality report - Quantitative attribute accuracy ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY

MEASURE DESCRIPTION

Various sources with varying degree of accuracy have been used over time to create/update this dataset. NCDOT used best available information at the time of editing.

Hide Data quality report - Absolute external positional accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT

Some counties have completed boundary surveys for at least a portion of their county boundary. However, the majority of county boundaries have not been surveyed and are represented by the best currently available data from GIS sources, including NCDOT county maps (which originally came from the USGS) and updated county parcel maps.

PROCESS STEP



DESCRIPTION

Review and Prep data for publication

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE processor

CONTACT INFORMATION **ADDRESS** TYPE physical DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA North Carolina POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS gishelp@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 data. If it is an immediate need, indicate as such in the subject line in an email. Hide Contact information ▲ Hide Process step ▲ PROCESS STEP **DESCRIPTION** Data was converted from NCGS to a Feature Class using Python code. Code is not provided but it basically builds polygons and joins basic attributes for all county. Hide Process step ▲ Hide Lineage ▲ **Distribution** ▶ DISTRIBUTOR > **CONTACT INFORMATION** ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Help Desk

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DEFINITION

NCGS

Polygon data representing all North Carolina District boundaries.

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.

MAXIMUM VALUE 14

FIELD DOTDistrictID ▶ * ALIAS DOTDistrictID * DATA TYPE SmallInteger * WIDTH 2 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION NCDOT District ID. Values will be 1, 2, or 3. Districts make up a larger NCDOT Division. **DESCRIPTION SOURCE NCDOT** RANGE OF VALUES MINIMUM VALUE 1 MAXIMUM VALUE 3 Hide Field DOTDistrictID ▲ FIELD DOTDivisionID ▶ * ALIAS DOTDivisionID * DATA TYPE SmallInteger * WIDTH 2 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION NCDOT Division. There are 14 Divisions. **DESCRIPTION SOURCE NCDOT** RANGE OF VALUES MINIMUM VALUE 1

MINIMUM VALUE 1

FIELD DSTRCT_NBR ▶ * ALIAS DSTRCT_NBR * DATA TYPE SmallInteger * WIDTH 2 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION NCDOT District ID. Values will be 1, 2, or 3. Districts make up a larger NCDOT Division. **DESCRIPTION SOURCE** NCDOT RANGE OF VALUES MINIMUM VALUE 1 MAXIMUM VALUE 3 Hide Field DSTRCT_NBR ▲ FIELD DIV_NBR ▶ * ALIAS DIV_NBR * DATA TYPE SmallInteger * WIDTH 2 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION NCDOT Division. There are 14 Divisions. **DESCRIPTION SOURCE NCDOT** RANGE OF VALUES

Hide Field DIV_NBR ▲

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 DOTDistrictBoundary_polys ▲

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 2024-02-05

ARCGIS METADATA PROPERTIES
METADATA FORMAT ArCGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2020-08-19 16:05:29

LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-02-05 20:47:33

AUTOMATIC UPDATES
HAVE BEEN PERFORMED YES

LAST UPDATE 2024-02-05 20:47:33
```

Metadata Contacts ▶

Hide Metadata Details ▲

METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit Contact's Position GIS Help Desk

Contact's Role point of contact

CONTACT INFORMATION >

ADDRESS

Type physical

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

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Hide Contact information

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY annually

SCOPE OF THE UPDATES dataset

MAINTENANCE CONTACT

ORGANIZATION'S NAME North Carolina Department of Information Technology -Transportation, GIS Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE point of contact

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Hide Metadata Maintenance

Metadata Constraints ▶

CONSTRAINTS

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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Hide Metadata Constraints A

Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures