North Carolina Transportation Division Boundaries, 2021 - NC Department of Transportation / NC Geodetic Survey

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, Boundary

Summary

Base Mapping for NCDOT Division Boundary Polygons. This feature class allows 14 division polygons to be symbolized.

Description

North Carolina Dept. of Transportation Division 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 Divisions are made up of a 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. 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.

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

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.

Extent

West -84.422109 East -75.416032 North 36.617254 South 33.730554

Scale Range

Maximum (zoomed in) 1:500,000 **Minimum (zoomed out)** 1:625,000

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

THESAURUS TITLE User

PUBLICATION DATE 2023-02-13 00:00:00

Hide Thesaurus ▲

THEME KEYWORDS Polygon, boundaries, location, County Boundary, State Boundary, State, County, Boundary, NCDOT Division

THESAURUS TITLE User

PUBLICATION DATE 2023-02-13 00:00:00

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

TITLE North Carolina Transportation Division Boundaries, 2021 - NC Department of Transportation / NC Geodetic Survey

ALTERNATE TITLES NCDOT Division Boundaries PUBLICATION DATE 2023-02-13 00:00:00 REVISION DATE 2020-08-19 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

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 >

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Type physical

DELIVERY POINT 4101 Capital Blvd.

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ADMINISTRATIVE AREA North Carolina

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COUNTRY US

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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 406832.628358
- * EAST LONGITUDE 3052480.022092
- * SOUTH LATITUDE 34987.950232
- * NORTH LATITUDE 1043624.415895
- * EXTENT CONTAINS THE RESOURCE Yes

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 Contact information ▲

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 Contact's Position GIS Help Desk Contact's Role point of contact

CONTACT INFORMATION

ADDRESS

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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 3048.0060960121918

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["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-

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 Boundary DOTDivision

- * OBJECT TYPE composite
- * OBJECT COUNT 14

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME Boundary DOTDivision

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 14
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Data Quality ▶

Scope of quality information Resource Level dataset

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.

PRODUCT SPECIFICATION >

TITLE NCDOT Geospatial Data Specifications CREATION DATE 2022-03-22 00:00:00 PUBLICATION DATE 2022-03-22 00:00:00

Hide Product specification ▲

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 2022-03-22 00:00:00 PUBLICATION DATE 2022-03-22 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 2022-03-22 00:00:00
PUBLICATION DATE 2022-03-22 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.

North Carolina Geodetic Survey verified and updated any of the lines that have been surveyed and approved by the respective counties.

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 4101 Capital Blvd.

CITY Raleigh

ADMINISTRATIVE AREA North Carolina POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

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

CONTACT INSTRUCTIONS

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Hide Contact information ▲

Hide Process step ▲



Data was downloaded from NCGS and converted to a Feature Class using Python code. Code is not provided but it basically builds polygons and joins basic attributes for all county.

PROCESS 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 Contact information ▲

Hide Process step ▲

Hide Lineage ▲

Distribution ▶



CONTACT INFORMATION > **PHONE** VOICE 919.707.2165 FAX 919.707.2210 **ADDRESS TYPE** DELIVERY POINT 4101 Capital Boulevard CITY Raleigh ADMINISTRATIVE AREA North Carolina POSTAL CODE 27604 COUNTRY US E-MAIL ADDRESS gishelp@ncdot.gov Hours of Service 8am to 5pm, M-F Hide Contact information ▲ Hide Distributor DISTRIBUTION FORMAT * NAME File Geodatabase Feature Class **VERSION** 10.8.1

Fields ▶

PETAILS FOR OBJECT Boundary DOTDivision ► * Type Feature Class * ROW COUNT 14 DEFINITION SOURCE

NCGS

TRANSFER OPTIONS
ONLINE SOURCE

Hide Distribution ▲

DEFINITION

Polygon data representing all North Carolina Division boundaries.

LOCATION https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx

```
FIELD OBJECTID

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.
```

* DESCRIPTION SOURCE

* 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 DOTDivisionID

- * ALIAS DOTDivisionID
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

NCDOT Division ID. There are 14 Divisions.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

MINIMUM VALUE 1

MAXIMUM VALUE 14

Hide Field DOTDivisionID ▲

FIELD DIV_NBR ▶

- * ALIAS DIV_NBR
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

NCDOT Division ID. There are 14 Divisions.

DESCRIPTION SOURCE

NCDOT

```
RANGE OF VALUES
    MINIMUM VALUE 1
    MAXIMUM VALUE 14
   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 Boundary DOTDivision ▲
Hide Fields ▲
```

Metadata Details ▶

Scope NAME * dataset

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

* LAST UPDATE 2023-01-05

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 2023-01-05 19:32:15
LAST MODIFIED IN ARCGIS FOR THE ITEM 2023-01-05 20:38:21

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2023-01-05 20:38:21

Hide Metadata Details ▲

Metadata Contacts ▶

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

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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

ADDRESS

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Metadata Constraints ▶

CONSTRAINTS
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SECURITY CONSTRAINTS
CLASSIFICATION unclassified
CLASSIFICATION SYSTEM None

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Thumbnail and Enclosures >

THUMBNAIL TYPE JPG

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