

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

SDE 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

Vector polygon dataset defining the official boundaries of the counties within North Carolina as well as the boundaries between North Carolina and the states which border North Carolina.

Description

The North Carolina State and County Boundary vector polygon data provides location information for North Carolina State and 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 in North Carolina and neighboring states that have been approved and recorded in their respective counties. North Carolina Geodetic Survey assists counties on a cooperative basis (NC General Statute 153A-18) in defining and monumenting the location of uncertain or disputed boundaries as established by law. 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.

Credits

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

Use limitations

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.

Extent

West -84.422109 **East** -75.416032

North 36.617254 **South** 33.730554

Scale Range

Maximum (zoomed in) 1:500,000

Minimum (zoomed out) 1:20,000,000

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

Hide Topics and Keywords ▲

Citation ▶

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

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

REVISION DATE 2020-08-19 00:00:00

CREATION DATE 2011-11-30 00:00:00

PRESENTATION FORMATS digital map

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

CONTACT INSTRUCTIONS

More information at <https://ncgs.state.nc.us/>

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

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 Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.2.3552

CREDITS

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

ARCGIS ITEM PROPERTIES

* NAME BoundaryCountyPolygon

* SIZE 9.173

[Hide Resource Details ▲](#)

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 Geodetic Survey

CONTACT'S POSITION GIS Manager

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 919-733-3836

ADDRESS

TYPE physical

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POSTAL CODE 27607

COUNTRY US

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Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

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.

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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CONSTRAINTS

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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 0

Z SCALE 1

M ORIGIN 0

M SCALE 1

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",2000000.0026166666],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 3404

CODESPACE EPSG

VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME BoundaryCountyPolygon

* OBJECT TYPE composite

* OBJECT COUNT 100

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BoundaryCountyPolygon

* FEATURE TYPE Simple

* GEOMETRY TYPE Polygon

* HAS TOPOLOGY FALSE

* FEATURE COUNT 0

* 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 ▲](#)

[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 ▶

WHEN THE PROCESS OCCURRED 2022-03-22 00:00:00

DESCRIPTION

Review and Prep metadata for publication

PROCESS CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE processor

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 Process step ▲

Hide Lineage ▲

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

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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 SDE Feature Class

VERSION 10.5.1

DISTRIBUTION FORMAT

NAME Shape File

VERSION 10.5.1

TRANSFER OPTIONS

* TRANSFER SIZE 9.173

ONLINE SOURCE

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

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [BoundaryCountyPolygon ►](#)

* TYPE Feature Class

ROW COUNT 100

DEFINITION SOURCE

NCGS

DEFINITION

Vector polygon data describing the boundaries of all 100 counties in North Carolina

FIELD [OBJECTID ►](#)

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 10

* 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 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Shape ▲

FIELD FIPS ►

* ALIAS FIPS

* DATA TYPE Integer

* WIDTH 4

* PRECISION 10

* SCALE 0

FIELD DESCRIPTION

Federal Information Processing Standard (FIPS) code from 1 to 199 for each county but not the same order as the DOT-CODE because it puts McDowell County before 4 counties (Macon, Madison, Martin, & Mecklenburg)

DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES

Integers from 1 to 199 representing the FIPS code for the 100 counties in North Carolina

Hide Field FIPS ▲

FIELD CountyName ►

* ALIAS CountyName

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

Hide Field CountyName ▲

FIELD UpperCountyName ►

* ALIAS UpperCountyName

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

Hide Field UpperCountyName ▲

FIELD SapCountyId ►

* ALIAS SapCountyId

* DATA TYPE String

* WIDTH 3

* PRECISION 0

* SCALE 0

Hide Field SapCountyId ▲

FIELD DOTDistrictID ►

* ALIAS DOTDistrictID

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* SCALE 0

Hide Field DOTDistrictID ▲

FIELD DOTDivisionID ►

* ALIAS DOTDivisionID

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* SCALE 0

Hide Field DOTDivisionID ▲

FIELD SAP_CNTY_NBR ►

* ALIAS SAP_CNTY_NBR

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* SCALE 0

Hide Field SAP_CNTY_NBR ▲

FIELD CNTY_NBR ►

- * ALIAS CNTY_NBR
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 5
- * SCALE 0

Hide Field CNTY_NBR ▲

FIELD DSTRCT_NBR ►

- * ALIAS DSTRCT_NBR
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 5
- * SCALE 0

Hide Field DSTRCT_NBR ▲

FIELD DIV_NBR ►

- * ALIAS DIV_NBR
- * DATA TYPE SmallInteger
- * WIDTH 2
- * PRECISION 5
- * SCALE 0

Hide Field DIV_NBR ▲

FIELD NAME ►

- * ALIAS NAME

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

Hide Field NAME ▲

FIELD SHPNumber ►

* ALIAS SHPNumber

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* SCALE 0

Hide Field SHPNumber ▲

FIELD Shape.STArea() ►

* ALIAS Shape.STArea()

* DATA TYPE Double

* WIDTH 0

* PRECISION 0

* SCALE 0

Hide Field Shape.STArea() ▲

FIELD Shape.STLength() ►

* ALIAS Shape.STLength()

* DATA TYPE Double

* WIDTH 0

* PRECISION 0

* SCALE 0

Hide Field Shape.STLength() ▲

[Hide Details for object BoundaryCountyPolygon ▲](#)

OVERVIEW DESCRIPTION ►

ENTITY AND ATTRIBUTE OVERVIEW

County boundary polygons

ENTITY AND ATTRIBUTE DETAIL CITATION

North Carolina Geodetic Survey

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER F0F7E29F-BEEE-4F8B-AD5B-BDFB71CF4C7B

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME dataset

LAST UPDATE 2022-03-22

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 2022-03-22 11:44:15

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2022-03-22 09:40:54

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

ORGANIZATION'S NAME North Carolina Geodetic Survey

CONTACT'S POSITION GIS Manager

CONTACT'S ROLE point of contact

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

CONTACT INSTRUCTIONS

More information at <https://ncgs.state.nc.us/>

Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY annually

Hide Metadata Maintenance ▲

Metadata Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

LIMITATIONS OF USE

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[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)