

North Carolina County Boundaries, 2018 - NC Department of Transportation / NC Geodetic Survey

SDE Feature Class



Tags

North Carolina, Boundary, County, County, Boundaries, Division, DOT Division

Summary

Base Mapping for County Boundary Polygons. This feature class allows 100 county polygons to be symbolized.

Description

The North Carolina Geodetic Survey developed the GIS data set, County Boundaries, surveyed to facilitate planning, siting and impact analysis in the 100 individual counties of North Carolina. This file shows some of the boundaries of counties which have a completed boundary survey, but the majority of lines have not been surveyed. Also, some boundaries cannot be surveyed in cases where boundaries are coincident with river centers. 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.

Credits

North Carolina Geodetic Survey, 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) 1:5,000

Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE boundaries

CONTENT TYPE Downloadable Data

PLACE KEYWORDS North Carolina, County, Division

THESAURUS ▶

TITLE User

PUBLICATION DATE 2019-02-11 00:00:00

EDITION DATE 2019-02-11

[Hide Thesaurus ▲](#)

STRATUM KEYWORDS County

THESAURUS ▶

TITLE User

PUBLICATION DATE 2019-02-11 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS Boundary, Boundaries, DOT Division

THESAURUS ▶

TITLE ISO 19115 Topic Category

PUBLICATION DATE 2019-02-11 00:00:00

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

Citation ▶

TITLE North Carolina County Boundaries, 2018 - NC Department of Transportation / NC Geodetic Survey

PUBLICATION DATE 2019-02-11 00:00:00

PRESENTATION FORMATS digital map

[Hide Citation ▲](#)

Citation Contacts ▶

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Steven Kaufman

ORGANIZATION'S NAME North Carolina Geodetic Survey

CONTACT'S POSITION GIS Manager

CONTACT'S ROLE originator

CONTACT INFORMATION ▶

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TYPE

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CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27607

COUNTRY US

E-MAIL ADDRESS steve.kaufman@ncdps.gov

CONTACT INSTRUCTIONS

<http://www.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 Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

CREDITS

North Carolina Geodetic Survey, North Carolina Department of Transportation

ARCGIS ITEM PROPERTIES

* NAME BoundaryCountyPolygon

* SIZE 9.401

[Hide Resource Details ▲](#)

Extents ►

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

WEST LONGITUDE -84.422109

EAST LONGITUDE -75.416032

SOUTH LATITUDE 33.730554

NORTH LATITUDE 36.617254

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

DESCRIPTION

publication date

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

Hide Extents ▲

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Steven Kaufman
ORGANIZATION'S NAME North Carolina Geodetic Survey
CONTACT'S POSITION GIS Manager
CONTACT'S ROLE point of contact

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CONTACT'S ROLE point of contact

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HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY **annually**

[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 **36365718.124241434**

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",34.3333333333334],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 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 100

* 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

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

Hide Data quality report - Completeness omission ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶

MEASURE DESCRIPTION

Tests for integrity have not been performed.

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ▶

MEASURE DESCRIPTION

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 ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ▶

MEASURE DESCRIPTION

N/A

Hide Data quality report - Absolute external positional accuracy ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

MEASURE DESCRIPTION

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

Hide Data quality report - Quantitative attribute accuracy ▲

Hide Data Quality ▲

Lineage ▶

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2019-02-11 00:00:00

DESCRIPTION

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 Transportation Geographic Information Systems Unit
CONTACT'S POSITION GIS Help Desk
CONTACT'S ROLE processor

CONTACT INFORMATION ▶

PHONE

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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

CONTACT INSTRUCTIONS

Phone or e-mail.

Hide Contact information ▲

Hide Process step ▲

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2019-02-11 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 ▶

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CONTACT INSTRUCTIONS
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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 ►

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HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS
Phone or e-mail.

Hide Contact information ▲

Hide Distributor ▲

DISTRIBUTION FORMAT

NAME Shape File
VERSION 10.5.1

TRANSFER OPTIONS

* TRANSFER SIZE 9.401
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

Polygon data representing all North Carolina county boundaries.

DEFINITION SOURCE

NCDOT

FIELD [FID ►](#)

* ALIAS FID

* 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 FID ▲](#)

FIELD [DIV_NBR ►](#)

* ALIAS DIV_NBR

* DATA TYPE Integer

* WIDTH 10

* PRECISION 10

* SCALE 0

[Hide Field DIV_NBR ▲](#)

FIELD [CountyName ►](#)

* ALIAS CountyName

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

[Hide Field CountyName ▲](#)

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 UpperCount ▶

- * ALIAS UpperCount
- * DATA TYPE String
- * WIDTH 15
- * PRECISION 0
- * SCALE 0

Hide Field UpperCount ▲

FIELD SapCountyI ▶

- * ALIAS SapCountyI
- * DATA TYPE String
- * WIDTH 3
- * PRECISION 0
- * SCALE 0

Hide Field SapCountyI ▲

FIELD DOTDistic ▶

- * ALIAS DOTDistic
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

Hide Field DOTDistic ▲

FIELD DOTDivisio ▶

- * ALIAS DOTDivisio
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field DOTDivisio ▲](#)

FIELD SAP_CNTY_N ►

- * ALIAS SAP_CNTY_N
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field SAP_CNTY_N ▲](#)

FIELD DSTRCT_NBR ►

- * ALIAS DSTRCT_NBR
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field DSTRCT_NBR ▲](#)

FIELD FIPS ►

- * ALIAS FIPS
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

FIELD DESCRIPTION

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

[Hide Field FIPS ▲](#)

FIELD NAME ►

- * ALIAS NAME
- * DATA TYPE String
- * WIDTH 15
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Name of the county

[Hide Field NAME ▲](#)

FIELD CNTY_NBR ►

- * ALIAS CNTY_NBR
- * DATA TYPE Integer
- * WIDTH 10
- * PRECISION 10
- * SCALE 0

[Hide Field CNTY_NBR ▲](#)

FIELD Shape_Leng ►

- * ALIAS Shape_Leng
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field Shape_Leng ▲](#)

FIELD Shape_Le_1 ►

- * ALIAS Shape_Le_1
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 0
- * SCALE 0

[Hide Field Shape_Le_1 ▲](#)

FIELD Shape_Area ►

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 19
- * 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 BoundaryCountyPolygon ▲](#)

OVERVIEW DESCRIPTION ►

ENTITY AND ATTRIBUTE OVERVIEW

County boundary polygons

ENTITY AND ATTRIBUTE DETAIL CITATION

North Carolina Geodetic Survey & NCDOT

[Hide Overview Description ▲](#)

[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 2019-01-23

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 2019-01-08 14:52:25

LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-01-24 11:05:55

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2019-01-24 10:24:08

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Steven Kaufman

ORGANIZATION'S NAME North Carolina Geodetic Survey

CONTACT'S POSITION GIS Manager

CONTACT'S ROLE point of contact

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ADMINISTRATIVE AREA NC

POSTAL CODE 27607

COUNTRY US
E-MAIL ADDRESS steve.kaufman@ncdps.gov

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<http://www.ncgs.state.nc.us>

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METADATA CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit
CONTACT'S POSITION GIS Help Desk
CONTACT'S ROLE point of contact

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8am to 5pm, M-F

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Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
UPDATE FREQUENCY annually

[Hide Metadata Maintenance ▲](#)

Metadata 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 Metadata Constraints ▲

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲