

# North Carolina County Boundary Arcs, 2018 - NC Department of Transportation / NC Geodetic Survey

SDE Feature Class



## Tags

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

## Summary

Base Mapping for County Boundary Lines. This feature class allows lines to be symbolized with the standard county line pattern.

## 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 County, North Carolina, Division

THESAURUS ▶

TITLE User

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

[Hide Thesaurus ▲](#)

STRATUM KEYWORDS County

THESAURUS ▶

TITLE User

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

[Hide Thesaurus ▲](#)

THEME KEYWORDS DOT Division, Boundary

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 Boundary Arcs, 2018 - NC Department of Transportation / NC Geodetic Survey

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

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

[Hide Citation ▲](#)

**Citation Contacts** ▶

RESPONSIBLE PARTY

INDIVIDUAL'S NAME GIS Help Desk

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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HOURS OF SERVICE  
8am to 5pm, M-F

CONTACT INSTRUCTIONS  
Phone or e-mail.

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[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 10.5.1.7333  
CREDITS

North Carolina Geodetic Survey, North Carolina Department of Transportation

### ARCGIS ITEM PROPERTIES

\* NAME BoundaryCountyArc

[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

#### 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 406832.619828

\* EAST LONGITUDE 3052480.014218

\* SOUTH LATITUDE 34987.933500

\* NORTH LATITUDE 1043624.399491

\* 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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CITY Raleigh  
ADMINISTRATIVE AREA NC  
POSTAL CODE 27607  
COUNTRY US  
DELIVERY POINT 4105 Reedy Creek Road  
E-MAIL ADDRESS [steve.kaufman@ncdps.gov](mailto:steve.kaufman@ncdps.gov)

### CONTACT INSTRUCTIONS

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

[Hide Contact information ▲](#)

### POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit  
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### HOURS OF SERVICE

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### CONTACT INSTRUCTIONS

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[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY annually

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

LEGAL CONSTRAINTS

LIMITATIONS OF USE

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.

SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

ADDITIONAL RESTRICTIONS

Standard Technical Controls

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 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",2000000.002616666],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 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 BoundaryCountyArc
- \* OBJECT TYPE composite
  - \* OBJECT COUNT 0

[Hide Vector ▲](#)

#### ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME BoundaryCountyArc
- \* FEATURE TYPE Simple
  - \* GEOMETRY TYPE Polyline
  - \* 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 ▲](#)

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

MEASURE DESCRIPTION

Tests for integrity have not been performed.

*Hide Data quality report - Conceptual consistency ▲*

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 - 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 ▲*

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

DIMENSION horizontal

MEASURE DESCRIPTION

Data were collected using various methods of varying accuracy. Majority of data was obtained from NC Department of Transportation that included scaled data from USGS quadrangles as well as some ground survey information. 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 ►

DIMENSION vertical

MEASURE DESCRIPTION

N/A

*Hide Data quality report - Absolute external positional accuracy ▲*

*Hide Data Quality ▲*

**Lineage ►**

PROCESS STEP ▶

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

DESCRIPTION

Review and process for publication

PROCESS CONTACT

INDIVIDUAL'S NAME GIS Help Desk

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

CONTACT'S POSITION GIS Help Desk

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HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

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[Hide Process step ▲](#)

PROCESS STEP ▶

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

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 Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk



CONTACT'S ROLE distributor

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CONTACT INSTRUCTIONS

Phone or e-mail.

*Hide Contact information ▲*

DISTRIBUTION FORMAT

\* NAME SDE Feature Class

VERSION 10.5.1

*Hide Distribution ▲*

## Fields ►

DETAILS FOR OBJECT [BoundaryCountyArc](#) ►

\* TYPE Feature Class

\* ROW COUNT 0

DEFINITION SOURCE

NCGS

DEFINITION

299

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 CountyLef ▶

- \* ALIAS COUNTYLEF
- \* DATA TYPE String
- \* WIDTH 255
- \* PRECISION 0
- \* SCALE 0

[Hide Field CountyLef ▲](#)

FIELD CountyRig ▶

- \* ALIAS CountyRig
- \* DATA TYPE String
- \* WIDTH 255
- \* PRECISION 0
- \* SCALE 0

[Hide Field CountyRig ▲](#)

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 Shape.STLength() ▶

- \* ALIAS Shape.STLength()
- \* DATA TYPE Double
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0

[Hide Field Shape.STLength\(\) ▲](#)

[Hide Details for object BoundaryCountyArc ▲](#)

OVERVIEW DESCRIPTION ►

ENTITY AND ATTRIBUTE OVERVIEW

County boundary arcs

ENTITY AND ATTRIBUTE DETAIL CITATION

North Carolina Geodetic Survey and NCDOT

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

**Metadata Details ►**

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 9011134F-B335-47D4-A07F-4610C1F5EF99

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2019-01-11

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2018-01-12 12:44:46

LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-01-11 16:23:34

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2019-01-10 16:20:06

[Hide Metadata Details ▲](#)

**Metadata Contacts ►**

METADATA CONTACT

INDIVIDUAL'S NAME GIS Help Desk

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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## Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY **annually**

[Hide Metadata Maintenance ▲](#)

## Metadata Constraints ►

SECURITY CONSTRAINTS

CLASSIFICATION **unclassified**

CLASSIFICATION SYSTEM **None**

LIMITATIONS OF USE

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## Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE **JPG**

[Hide Thumbnail and Enclosures ▲](#)