

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

SDE Feature Class



Tags

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

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

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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

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS North Carolina, County, Division

THESAURUS ▶

TITLE User

PUBLICATION DATE 2022-02-14 00:00:00

Hide Thesaurus ▲

STRATUM KEYWORDS County

THESAURUS ▶

TITLE User

PUBLICATION DATE 2022-02-14 00:00:00

Hide Thesaurus ▲

THEME KEYWORDS Boundary, DOT Division

THESAURUS ▶

TITLE ISO 19115 Topic Category

PUBLICATION DATE 2022-02-14 00:00:00

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

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

PUBLICATION DATE 2022-02-14 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 ►

PHONE

VOICE 919-733-3836

FAX 919-733-4407

ADDRESS

TYPE

DELIVERY POINT 4105 Reedy Creek Road

DELIVERY POINT 4298 MSC, Raleigh, NC 27699-4298

CITY Raleigh

ADMINISTRATIVE AREA NC

POSTAL CODE 27607

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 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

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

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

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2165

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POINT OF CONTACT

INDIVIDUAL'S NAME Steven Kaufman

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CONTACT'S ROLE point of contact

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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

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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 302

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BoundaryCountyArc

* FEATURE TYPE Simple

* GEOMETRY TYPE Polyline

* HAS TOPOLOGY FALSE

* FEATURE COUNT 302

* 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

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 ▶

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](#) 2022-02-14 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

[CONTACT'S ROLE](#) point of contact

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Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2022-02-14 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 counties.

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTION FORMAT

NAME Feature Class

VERSION 10.5.1

[Hide Distribution ▲](#)

Fields ▶

DETAILS FOR OBJECT BoundaryCountyArc ▶

* TYPE Feature Class

* ROW COUNT 0

DEFINITION

299

DEFINITION SOURCE

NCGS

FIELD CountyLef ▶

* ALIAS COUNTYLEF

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

Hide Field CountyLef ▲

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 CountyRig ►

* ALIAS CountyRig

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

[Hide Field CountyRig ▲](#)

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 2021-12-09

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 2021-12-14 15:35:17

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2021-12-14 15:35:17

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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Hide Metadata Contacts ▲

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY annually

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Metadata Constraints ►

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Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲