

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

Feature Class



Tags

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

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

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS Division, North Carolina, County

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 DOT Division, Boundaries, Boundary

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 Boundaries, 2021 - NC Department of Transportation / NC Geodetic Survey

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

PRESENTATION FORMATS **digital map**
FGDC GEOSPATIAL PRESENTATION FORMAT **vector digital data**

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**

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

Hide Resource Details ▲

Extents ▶

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -84.422109

EAST LONGITUDE -75.416032

SOUTH LATITUDE 33.730554

NORTH LATITUDE 36.617254

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

CONTACT INFORMATION ►

PHONE

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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

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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 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 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 - 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

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 ▶

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2022-02-14 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

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 2022-02-14 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 counties.

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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PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2021-12-09 00:00:00

DESCRIPTION

SHPNumber field was added

RATIONALE

To facilitate information needed by the NC State Highway Patrol

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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[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

DELIVERY POINT 4101 Capital Boulevard

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ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

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HOURS OF SERVICE

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CONTACT INSTRUCTIONS

Phone or e-mail.

Hide Contact information ▲

AVAILABLE FORMAT

NAME Shape File

VERSION 10.5.1

Hide Distributor ▲

DISTRIBUTION FORMAT

NAME Feature Class

VERSION 10.5.1

TRANSFER OPTIONS

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 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 CNTY_NBR ►

* ALIAS CNTY_NBR

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* SCALE 0

Hide Field CNTY_NBR ▲

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 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 NAME ►

* ALIAS NAME

* DATA TYPE String

* WIDTH 15

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Name of the county

Hide Field NAME ▲

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 FIPS ►

* ALIAS FIPS

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 5

* 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 SHPNumber ►

ALIAS SHPNumber

DATA TYPE SmallInteger

WIDTH 2

PRECISION 0

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 & NCDOT

[Hide Overview Description ▲](#)

[Hide Fields ▲](#)

Metadata Details ▶

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 5566C014-83B3-4381-853D-6834A53A9B71

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

METADATA STYLE ISO 19139 Metadata Implementation Specification

CREATED IN ARCGIS FOR THE ITEM 2021-12-09 16:40:29

LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-12-14 15:49:32

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2021-12-14 15:49:32

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

CONTACT INFORMATION ►

PHONE

VOICE 919-733-3836

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CONTACT INSTRUCTIONS

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

Hide Contact information ▲

METADATA 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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[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

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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[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲