North Carolina County Boundaries, 2020 - NC Department of Transportation / NC Geodetic Survey

SDE 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

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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   Downloadable Data
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION   No

PLACE KEYWORDS   Division, North Carolina, County

THESAURUS   ▶

TITLE   User

PUBLICATION DATE   2021-02-15   00:00:00

Hide Thesaurus ▲

STRATUM KEYWORDS   County

THESAURUS   ▶

TITLE   User

PUBLICATION DATE   2021-02-15   00:00:00

Hide Thesaurus ▲

THEME KEYWORDS   DOT Division, Boundaries, Boundary

THESAURUS   ▶

TITLE   ISO 19115 Topic Category

PUBLICATION DATE   2021-02-15   00:00:00

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

TITLE   North Carolina County Boundaries, 2020 - NC Department of Transportation / NC Geodetic Survey

PUBLICATION DATE   2021-02-15   00:00:00

PRESENTATION FORMATS   digital map
FGDC GEOSPATIAL PRESENTATION FORMAT   vector digital data

Hide Citation ▲

Citation Contacts ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME   Steven Kaufman, North Carolina Geodetic Survey, GIS Manager

CONTACT'S ROLE   originator

Hide Citation Contacts ▲

Resource Details ▶

DATASET LANGUAGES   English (UNITED STATES)

DATASET CHARACTER SET   utf8 - 8 bit UCS Transfer Format

STATUS   under development
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

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 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

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",36.16
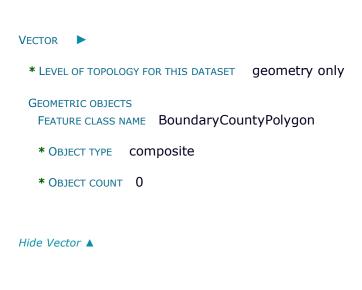
666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2264]]

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 0

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 ▲

Data Quality ▶

SCOPE OF QUALITY INFORMATION ▶

RESOURCE LEVEL   dataset

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ▶

MEASURE DESCRIPTION

Tests for integrity have not been performed.

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.

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ▶

MEASURE DESCRIPTION

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

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 2021-02-15 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

CONTACT INSTRUCTIONS

Phone or e-mail.

Hide Contact information ▲

Hide Process step ▲

PROCESS STEP   ▶

WHEN THE PROCESS OCCURRED   2021-02-15   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

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 ▲

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

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 ▲

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   0

  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 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   A84CC6F2-B0ED-4073-B497-8B1AB9BEE726

SCOPE OF THE DATA DESCRIBED BY THE METADATA   dataset
SCOPE NAME   *dataset

LAST UPDATE   2021-02-15

ARCGIS METADATA PROPERTIES
METADATA FORMAT   ArcGIS 1.0

STANDARD OR PROFILE USED TO EDIT METADATA   ISO19139

CREATED IN ARCGIS FOR THE ITEM   2019-01-03   13:22:13
LAST MODIFIED IN ARCGIS FOR THE ITEM   2020-12-29   16:05:31

AUTOMATIC UPDATES
HAVE BEEN PERFORMED   Yes

LAST UPDATE   2020-12-29   14:22:37

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

FAX   919-733-4407

ADDRESS

DELIVERY POINT   4298 MSC, Raleigh, NC 27699-4298

DELIVERY POINT   4105 Reedy Creek Road

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

Metadata Maintenance ►

UPDATE FREQUENCY   annually

Hide Metadata Maintenance ▲

Metadata Constraints ▶

SECURITY CONSTRAINTS

CLASSIFICATION   unclassified

CLASSIFICATION SYSTEM   None

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Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE   JPG

Hide Thumbnail and Enclosures ▲