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

## SDE Feature Class



## Tags

NC, North Carolina, NC OneMap, Department of Public Safety, DPS, North Carolina Emergency Management, NCEM, North Carolina Geodetic Survey, NC Geodetic Survey, NCGS, boundaries, location, County Boundary, State Boundary, State, County, Boundary

## Summary

Vector lines dataset defining the official boundaries of the counties within North Carolina as well as the boundaries between North Carolina and the states which border North Carolina.

## Description

The North Carolina State and County Boundary vector lines data provides location information for North Carolina State and County Boundary lines derived from the best available survey and/or Geographic Information System (GIS) data. Sources for information are the North Carolina Geodetic Survey (NCGS), NC Department of Transportation (NCDOT), United States Geological Survey (USGS), and field surveys conducted by licensed surveyors in North Carolina and neighboring states that have been approved and recorded in their respective counties. North Carolina Geodetic Survey assists counties on a cooperative basis (NC General Statute 153A-18) in defining and monumenting the location of uncertain or disputed boundaries as established by law. Some counties have completed boundary surveys for at least a portion of their county boundary. However, the majority of county boundaries have not been surveyed and are represented by the best currently available data from GIS sources, including NCDOT county maps (which originally came from the USGS) and updated county parcel maps.

## Credits

North Carolina Geodetic Survey (NCGS), 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)**   1:500,000

**Minimum (zoomed out)**  1:20,000,000

## ArcGIS Metadata ▶

## Topics and Keywords  ▶

THEMES OR CATEGORIES OF THE RESOURCE    boundaries, location

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

*Hide Topics and Keywords ▲*

## Citation  ▶

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

PUBLICATION DATE   2022-03-22   00:00:00

REVISION DATE   2020-08-19   00:00:00

CREATION DATE   2011-11-30   00:00:00

PRESENTATION FORMATS    digital map

*Hide Citation ▲*

## Citation Contacts  ▶

RESPONSIBLE PARTY

   ORGANIZATION'S NAME   North Carolina Geodetic Survey

   CONTACT'S POSITION   GIS Manager

   CONTACT'S ROLE   originator

   CONTACT INFORMATION      ▶

   PHONE

      VOICE   919-733-3836

   ADDRESS

TYPE   physical

DELIVERY POINT   4105 Reedy Creek Rd

CITY   Raleigh

ADMINISTRATIVE AREA   NC

POSTAL CODE   27607

COUNTRY   US


CONTACT INSTRUCTIONS

More information at https://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   Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.2.3552

CREDITS
North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation


ARCGIS ITEM PROPERTIES

* NAME   BoundaryCountyArc

* SIZE   9.173


*Hide Resource Details ▲*

## Extents ▶

EXTENT

DESCRIPTION

publication date


TEMPORAL EXTENT

DATE AND TIME    2020-08-19    00:00:00

EXTENT

DESCRIPTION

geographic 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

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    406832.617203

* EAST LONGITUDE    3052480.011593

* SOUTH LATITUDE    34987.933500

* NORTH LATITUDE    1043624.399491

* EXTENT CONTAINS THE RESOURCE    Yes

*Hide Extents* ▲

## Resource Points of Contact ▶

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

ADDRESS

TYPE   physical

DELIVERY POINT   4105 Reedy Creek Rd

CITY   Raleigh

ADMINISTRATIVE AREA   NC

POSTAL CODE   27607

COUNTRY   US

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*Hide Contact information ▲*

*Hide Resource Points of Contact ▲*

## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY   annually

OTHER MAINTENANCE REQUIREMENTS
Updated August 2020 to correct minor error in Orange-Chatham boundary, and to update portion of Burke-McDowell boundary.
Updated March 2022 to correct county district numbers.

*Hide Resource Maintenance ▲*

# Resource Constraints ▶

*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["Gree
nwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMET
ER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridi
an",-
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],AUTHO
RITY["EPSG",2264]]


REFERENCE SYSTEM IDENTIFIER

VALUE    3404

CODESPACE    EPSG

VERSION    8.2.6

*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 ▲*

A RCGIS F EATURE C LASS P ROPERTIES ▶

F EATURE CLASS NAME BoundaryCountyArc

* F EATURE TYPE Simple

* G EOMETRY TYPE Polyline

* H AS TOPOLOGY FALSE

* F EATURE COUNT 302

* S PATIAL INDEX TRUE

* L INEAR REFERENCING FALSE

*Hide ArcGIS Feature Class Properties ▲*

*Hide Spatial Data Properties ▲*

# Data Quality ▶

S COPE OF QUALITY INFORMATION ▶

R ESOURCE LEVEL dataset

*Hide Scope of quality information ▲*

*Hide Data Quality ▲*

# Lineage ▶

L INEAGE STATEMENT

Some counties have completed boundary surveys for at least a portion of their county boundary. However, the majority of county boundaries have not been surveyed and are represented by the best currently available data from GIS sources, including NCDOT county maps (which originally came from the USGS) and updated county parcel maps.

P ROCESS STEP ▶

W HEN THE PROCESS OCCURRED 2022-03-22 00:00:00

D ESCRIPTION

Review and process 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

*Hide Contact information ▲*

*Hide Process step ▲*

*Hide Lineage ▲*

# Distribution  ▶

DISTRIBUTOR    ▶

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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COUNTRY   US

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HOURS OF SERVICE

8am to 5pm, M-F

*Hide Contact information ▲*

*Hide Distributor ▲*

DISTRIBUTION FORMAT
  * NAME   SDE Feature Class

VERSION   10.5.1

TRANSFER OPTIONS
  * TRANSFER SIZE   9.173

*Hide Distribution ▲*

# Fields   ▶

DETAILS FOR OBJECT **BoundaryCountyArc** ▶

* TYPE   Feature Class

* ROW COUNT   0

DEFINITION SOURCE

  NCGS

DEFINITION

  Vector line data describing the boundaries of all 100 counties in North Carolina

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 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.STLength()  ▶

* ALIAS   Shape.STLength()

* DATA TYPE   Double

* WIDTH   0

* PRECISION   0

* SCALE   0

*Hide Field Shape.STLength() ▲*


*Hide Details for object  BoundaryCountyArc ▲*


*Hide Fields ▲*

# Metadata Details  ▶

METADATA LANGUAGE   English (UNITED STATES)

METADATA CHARACTER SET    utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER    36442144-CB90-4034-B3D9-3F4B671F745C

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

LAST UPDATE   2022-03-22

ArcGIS METADATA PROPERTIES
   METADATA FORMAT   ArcGIS 1.0

   STANDARD OR PROFILE USED TO EDIT METADATA    ISO19139

   METADATA STYLE   FGDC CSDGM Metadata

   CREATED IN ArcGIS FOR THE ITEM   2020-08-19   16:05:29
   LAST MODIFIED IN ArcGIS FOR THE ITEM   2022-03-22   11:05:12

   AUTOMATIC UPDATES
      HAVE BEEN PERFORMED   Yes

      LAST UPDATE   2022-03-22   09:52:31

*Hide Metadata Details ▲*


# Metadata Contacts  ▶

METADATA CONTACT

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

ADDRESS

TYPE   physical

DELIVERY POINT   4105 Reedy Creek Rd

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POSTAL CODE   27607

COUNTRY   US

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*Hide Contact information ▲*

*Hide Metadata Contacts ▲*

## Metadata Maintenance   ▶

MAINTENANCE

UPDATE FREQUENCY   annually

*Hide Metadata Maintenance ▲*

## Metadata Constraints   ▶

CONSTRAINTS

LIMITATIONS OF USE

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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* ▲