

# North Carolina State and County Boundary with Shoreline, 2026 (Revised) - NC Department of Transportation / NC Geodetic Survey

## Geodatabase 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

Base Mapping for County Boundary Polygons with Shoreline. This feature class allows polygons to be symbolized with the major sea level hydrography shown in the same layer.

### Description

County Boundary as Polygons which were combined with a generalized version of the USGS 1:100,000 hydrography for the sounds and the outer bands. 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.

North Carolina State and County Boundary with Shoreline, 2026 is revised to include updated boundary geometry between Forsyth and Davidson counties.

### Credits

North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation  
Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

### Use limitations

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.

### Extent

**West** -84.422109

**East** -75.055735

**North** 36.617254

**South** 33.491764

### Scale Range

**Maximum (zoomed in)** 1:5,000

**Minimum (zoomed out)** 1:625,000

## Topics and Keywords

**Themes or categories of the resource** Boundaries, Location

**Content type** Downloadable Data

**Theme keywords** Polygon, boundaries, location, County Boundary, State Boundary, State, County, Boundary, Shoreline

### Thesaurus

**Title** User

**Publication date** 2024-02-12 00:00:00

**Place keywords** North Carolina

### Thesaurus

**Title** User

**Publication date** 2024-02-12 00:00:00

## Citation

**Title** North Carolina State and County Boundary with Shoreline, 2026 (Revised) - NC Department of Transportation / NC Geodetic Survey

**Alternate titles** NC County Boundaries with Shoreline

**Publication date** 2026-02-23 00:00:00

**Creation date** 2011-11-30 00:00:00

**Revision date** 2026-05-04 00:00:00

**Presentation formats** digital map

**FGDC geospatial presentation format** vector digital data

## Citation Contacts

### Responsible party - originator

**Organization's name** North Carolina Geodetic Survey

**Contact's position** GIS Manager

#### 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

**e-mail address** watson.ross@ncdps.gov

### Hours of service

9:00am - 5:00pm Monday – Friday

### Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

## Responsible party - resource provider

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

### Contact information

#### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

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## Responsible party - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

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## 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 10.8.1.14362

## Credits

North Carolina Geodetic Survey (NCGS), North Carolina Department of Transportation  
Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

## 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** -75.055735

**North latitude** 36.617254

**South latitude** 33.491764

**Extent contains the resource** Yes

## Extent in the item's coordinate system

**westBL** 406832.617203  
**eastBL** 3158392.499899  
**southBL** -52051.558431  
**northBL** 1043624.399491  
**exTypeCode** Yes

## Resource Points of Contact

### Point of contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

#### Contact information

##### Address

**Type** physical  
**Delivery point** Century Center Building B, 1020 Birch Ridge Drive  
**City** Raleigh  
**Administrative area** North Carolina  
**Postal code** 27610  
**Country** US  
**e-mail address** gishelp@ncdot.gov

##### Hours of service

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## Resource Maintenance

### Resource maintenance

**Update frequency** as needed

**Scope of the updates** dataset

#### 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.

#### Other maintenance requirements

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

Support and maintenance of the enterprise spatial database where this data resides is handled by the North Carolina Department of Information Technology-Transportation, GIS Unit.

### Maintenance contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

### Contact information

#### Address

**Type** physical

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**Country** US

**e-mail address** gishelp@ncdot.gov

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#### Contact instructions

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## Resource Constraints

### Legal constraints

#### Limitations of use

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### Security constraints

**Classification** unclassified

**Classification system** None

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### Constraints

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## Spatial Reference



**Linear referencing** FALSE

## Data Quality

### Scope of quality information

**Resource level** dataset

### Data quality report - Completeness commission

#### Data quality measure reference

##### Measure description

Features have been checked for completeness. There are no measurement, precision, spatial, or data schema standards assigned to this data set.

#### Conformance test results

**Test passed** Yes

##### Result explanation

Pass.

#### Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2024-02-12 00:00:00

**Publication date** 2024-02-12 00:00:00

### Data quality report - Conceptual consistency

#### Data quality measure reference

##### Measure description

Tests for integrity have not been performed.

#### Conformance test results

**Test passed** Yes

##### Result explanation

Pass.

#### Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2024-02-12 00:00:00

**Publication date** 2024-02-12 00:00:00

### Data quality report - Quantitative attribute accuracy

#### Data quality measure reference

##### Measure description

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

## Conformance test results

**Test passed** Yes

### Result explanation

Pass.

## Product specification

**Title** NCDOT Geospatial Data Specifications

**Creation date** 2024-02-12 00:00:00

**Publication date** 2024-02-12 00:00:00

## Data quality report - Absolute external positional accuracy

### Data quality measure reference

#### Measure description

North Carolina Geodetic Survey verified and updated any of the lines that have been surveyed and approved by the respective counties.

## Lineage

### Lineage 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.

## Process step

### Description

Data was downloaded from NCGS and converted Feature Class using Python code. Code is not provided but it basically builds polygons and joins basic attributes for all counties.

### Process contact - processor

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

#### Contact information

##### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

##### Hours of service

9:00am - 5:00pm Monday - Friday

## Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

## Process step

### Description

Process metadata for publication

### Process contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

#### Contact information

##### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

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**e-mail address** gishelp@ncdot.gov

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Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

## Distribution

### Distributor

#### Contact information - distributor

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

#### Contact information

##### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

##### Hours of service

9:00am - 5:00pm Monday - Friday

### Contact instructions

Please send an email with any issues, questions, or comments regarding the data. If it is an immediate need, indicate as such in the subject line in an email.

### Distribution format

**Version** 10.8.1

**Name** File Geodatabase Feature Class

### Transfer options

#### Online source

**Online location (URL)** <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

### Fields

### Details for object BoundaryCountyShoreline

**Type** Feature Class

**Row count** 128

#### Definition source

NCGS

#### Definition

Polygon data representing North Carolina shoreline boundaries.

#### Field OBJECTID

**Alias** OBJECTID

**Data type** OID

**Width** 4

**Precision** 0

**Scale** 0

#### Field description

Internal feature number.

#### Description source

Esri

#### Description of values

Sequential unique whole numbers that are automatically generated.

#### Field Shape

**Alias** Shape

**Data type** Geometry

**Width** 0

**Precision** 0

**Scale** 0

**Field description**

Feature geometry.

**Description source**

ESRI

**Description of values**

Coordinates defining the features.

**Field FIPS**

**Alias** FIPS

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

Federal Information Processing Standard (FIPS) code from 1 to 199 for each county but not the same order as the DOT-CODE because it puts McDowell County before 4 counties (Macon, Madison, Martin, & Mecklenburg)

**Description source**

NCDOT

**Description of values**

Integers from 1 to 199 representing the FIPS code for the 100 counties in North Carolina

**Field CountyName**

**Alias** CountyName

**Data type** String

**Width** 15

**Precision** 0

**Scale** 0

**Field description**

County name.

**Description source**

NCDOT

**Description of values**

Text.

**Field UpperCountyName**

**Alias** UpperCountyName

**Data type** String

**Width** 15

**Precision** 0

**Scale** 0

### Field description

County name text in upper case letters. Useful for map labeling purposes.

### Description source

NCDOT

### Description of values

Text.

## Field SapCountyId

**Alias** SapCountyId

**Data type** String

**Width** 3

**Precision** 0

**Scale** 0

### Field description

NCDOT-CODE County ID from 1-100. 1 = Alamance, 100 = Yancey.

### Description source

NCDOT

### Range of values

**Minimum value** 1

**Maximum value** 100

## Field DOTDistrictID

**Alias** DOTDistrictID

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

### Field description

NCDOT District ID. Values will either be 1, 2, or 3.

### Description source

NCDOT

### Range of values

**Minimum value** 1

**Maximum value** 3

## Field DOTDivisionID

**Alias** DOTDivisionID

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

NCDOT Division ID.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 14

**Field SAP\_CNTY\_NBR**

**Alias** SAP\_CNTY\_NBR

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

SAP county ID.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 100

**Field CNTY\_NBR**

**Alias** CNTY\_NBR

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

County number, ranging from 0 - 99. 0 = Alamance, 99 = Yancey.

**Description source**

NCDOT

**Range of values**

**Minimum value** 0

**Maximum value** 99

**Field DSTRCT\_NBR**

**Alias** DSTRCT\_NBR

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

NCDOT District number. Multipole districts make up an NCDOT Division.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 3

**Field DIV\_NBR**

**Alias** DIV\_NBR

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

NCDOT Division number.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 14

**Field NAME**

**Alias** NAME

**Data type** String

**Width** 15

**Precision** 0

**Scale** 0

**Field description**

County name.

**Description source**

NCDOT

**Description of values**

Text.

**Field WATER**

**Alias** WATER

**Data type** String

**Width** 1

**Precision** 0

**Scale** 0

**Field description**

Indicates polygon is water. Water type Ocean, Sound, Land

**Description source**

NCDOT

**Description of values**

Text.

**Field Shape\_Length**

**Alias** Shape\_Length

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

**Field description**

Length of feature in internal units.

**Description source**

Esri

**Description of values**

Positive real numbers that are automatically generated.

**Field Shape\_Area**

**Alias** Shape\_Area

**Data type** Double

**Width** 8

**Precision** 0

**Scale** 0

**Field description**

Area of feature in internal units squared.

**Description source**

Esri

**Description of values**

Positive real numbers that are automatically generated.

**Field SHPNumber**

**Alias** SHPNumber  
**Data type** SmallInteger  
**Width** 2  
**Precision** 0  
**Scale** 0

### Field description

The values reflect those in the SAP County Number field.

### Description source

NCDOT

## Metadata Details

**Metadata language** English (UNITED STATES)

**Metadata character set** utf8 - 8 bit UCS Transfer Format

**Scope of the data described by the metadata** dataset

**Scope name** dataset

**Last update** 2026-05-02

## 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** 2026-04-09 13:05:23

**Last modified in ArcGIS for the item** 2026-05-02 13:01:07

### Automatic updates

**Have been performed** Yes

**Last update** 2026-05-02 13:00:58

## Metadata Contacts

### Metadata contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

### Contact information

#### Address

**Type** physical

**Delivery point** Century Center Building B, 1020 Birch Ridge Drive

**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

**Country** US

**e-mail address** gishelp@ncdot.gov

## Hours of service

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## Metadata Maintenance

### Maintenance

**Update frequency** annually

**Scope of the updates** dataset

### Maintenance contact - point of contact

**Organization's name** North Carolina Department of Information Technology -Transportation, GIS Unit

**Contact's position** GIS Help Desk

### Contact information

#### Address

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## Metadata Constraints

### Constraints

#### Limitations of use

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### Security constraints

**Classification** unclassified

**Classification system** None

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## **Thumbnail and Enclosures**

### **Thumbnail**

#### **Thumbnail type**

Image file