

# North Carolina Transportation Division Boundaries, 2026 (Revised) - NC Department of Transportation 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 NCDOT Division Boundary Polygons. This feature class allows 14 division polygons to be symbolized.

## Description

North Carolina Dept. of Transportation Division Polygons as selected from the County Boundary feature class. 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. NCDOT Divisions are made up of a multiple North Carolina counties. The North Carolina county boundary service provides location information for North Carolina 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. 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 Transportation Division Boundaries, 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** -75.416032

**North** 36.617254

**South** 33.730554

## Scale Range

**Maximum (zoomed in)** 1:500,000

**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, NCDOT Division

### Thesaurus

**Title** User

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

**Place keywords** North Carolina

### Thesaurus

**Title** User

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

## Citation

**Title** North Carolina Transportation Division Boundaries, 2026 (Revised) - NC Department of Transportation

**Alternate titles** NCDOT Division Boundaries

**Publication date** 2026-02-23 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

### Hours of service

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

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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

### Contact information

#### Address

**Type** physical

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

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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** -75.416032

**North latitude** 36.617254

**South latitude** 33.730554

**Extent contains the resource** Yes

## Extent in the item's coordinate system

**westBL** 406832.617203  
**eastBL** 3052480.011593  
**southBL** 34987.933500  
**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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**City** Raleigh

**Administrative area** North Carolina

**Postal code** 27610

**Country** US

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

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## 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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### Constraints

#### Limitations of use

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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** 2024-02-05 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

Various sources with varying degree of accuracy have been used over time to create/update this dataset.

NCDOT used best available information at the time of editing.

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

Review and Prep data for publication

### 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

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 - 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

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

##### Hours of service

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

### Contact instructions

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## Distribution

### Distributor

#### Contact information - distributor

**Organization's name** North Carolina Department of Transportation Geographic Information Systems Unit

**Contact's position** GIS Help Desk

#### Contact information

##### Phone

**Voice** 919.707.2165

**Fax** 919.707.2210

##### Address

**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**  
8am to 5pm, M-F

## 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 BoundaryDOTDivision

**Type** Feature Class  
**Row count** 14  
**Definition source**  
NCGS

#### Definition

Polygon data representing all North Carolina Division 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 DOTDivisionID**

**Alias** DOTDivisionID

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

NCDOT Division ID. There are 14 Divisions.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 14

**Field DIV\_NBR**

**Alias** DIV\_NBR

**Data type** SmallInteger

**Width** 2

**Precision** 0

**Scale** 0

**Field description**

NCDOT Division ID. There are 14 Divisions.

**Description source**

NCDOT

**Range of values**

**Minimum value** 1

**Maximum value** 14

**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.

## 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 13:05:27

**Last modified in ArcGIS for the item** 2026-05-02 13:05:31

**Automatic updates**

**Have been performed** Yes  
**Last update** 2026-05-02 13:04:59

## 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

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

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##### Contact instructions

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need, indicate as such in the subject line in an email.

## Metadata Constraints

### Constraints

#### Limitations of use

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### Security constraints

**Classification** unclassified

**Classification system** None

#### Limitations of use

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## Thumbnail and Enclosures

### Thumbnail

#### Thumbnail type

Image file