

Municipal Boundaries, Fiscal Year 2021 - 2022, North Carolina

Department of Transportation, Prioritization 7.0, July 2023

Geodatabase Feature Class



Tags Boundaries, Municipal, Powell Bill, Boundary, Boundaries, Incorporated, Towns, Cities, Strategic Prioritization Office of Transportation (SPOT), North Carolina Department of Transportation (NCDOT)

Summary

This data was created to assist governmental agencies and others in making resource management decisions through the use of a Geospatial Information System (GIS). Municipal boundaries are recognized as base cartographic layers used for location analysis. This data is current for the fiscal year 2021 - 2022. Additional fields were added and created for internal uses and for that of the SPOT Online application.

Description

These Municipal Boundaries datasets are based on the Powell Bill Program maps for the 2021 - 2022 fiscal year. Municipalities in North Carolina participating in the Powell Bill Program are required to submit to NCDOT on a regular basis. These datasets include incorporated municipalities in North Carolina that participate in the Powell Bill Program, and boundaries of municipalities which do not participate in the Powell Bill Program. Sources for the boundaries vary in scale and format as provided by the individual Municipalities.

SPOT_MunicipalBoundary has been manipulated for the purpose of Prioritization 7.0.

For further information about domains and fields used in SPOT see the SPOT P7 Domains document here:

<https://xfer.services.ncdot.gov/gisdot/metadata/spot/NCDOT%20SPOT%20Prioritization%207%20Online%20Domain%20Reference.pdf>

Credits

The Data Conversion Group of the North Carolina Department of Transportation GIS Unit serves as the data steward of this spatial polygon data, on behalf of the Powell Bill Office of the North Carolina Department of Transportation and the Strategic Prioritization Office of Transportation (SPOT) office serves as the attribute steward of the data strictly used for the purpose of the SPOT Online application.

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.

SPOT On!ine is the NC Department of Transportation's online project prioritization evaluation system. All data used for scoring and evaluating projects, including scores and preliminary point-in-time cost estimates either generated by the SPOT On!ine application or provided by the user, are only intended for use in the Department's Strategic Prioritization Process. All SPOT Online project data will be used for preliminary level planning, scoring, and evaluation purposes only, and must undergo further review prior to use in the Department's programming process. By entering SPOT Online, the user hereby acknowledges this statement.

Extent

West -84.131259

East -75.534219

North 36.562719

South 33.741705

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

Topics and Keywords

Themes or categories of the resource Boundaries

Content type Downloadable Data

Theme keywords Municipal, Powell Bill, Boundary, Boundaries, Incorporated, Towns, Cities, Strategic Prioritization Office of Transportation (SPOT), State Transportation Implementation Plan (STIP), North Carolina Department of Transportation (NCDOT)

Thesaurus

Title User

Publication date 2023-07-17 00:00:00

Place keywords North Carolina

Thesaurus

Title User

Publication date 2023-07-17 00:00:00

Citation

Title Municipal Boundaries, Fiscal Year 2021 - 2022, North Carolina Department of Transportation, Prioritization 7.0, July 2023

Publication date 2023-07-17 00:00:00

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - originator

Organization's name North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information

Phone

Voice 919.707.4742

Address

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address spot@ncdot.gov

Contact instructions

Phone or email

Responsible party - resource provider

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

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am-5pm, M-F

Contact instructions

Phone or email

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 10.8.1.14362

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ArcGIS item properties

Name SPOT_MunicipalBoundary

Size 12.321

Location file://\DOT\DFSROOT01\GROUPS-GISCC\GIS-SpatialDataMgmt\Metadata\Spot\BackupSchemaProd20231218\P7_Data.gdb

Access protocol Local Area Network

Extents

Extent

Geographic extent

Bounding rectangle

West longitude -84.130377

East longitude -75.534219

South latitude 33.74174

North latitude 36.562719

Temporal extent

Date and time 2019-09-01 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type

Extent used for searching

West longitude -84.131259

East longitude -75.534219

North latitude 36.562719

South latitude 33.741705

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 491421.770859

eastBL 3018437.649888

southBL 34700.650610

northBL 1023766.729888

exTypeCode Yes

Resource Points of Contact

Point of contact - point of contact

Organization's name North Carolina Department of Transportation Strategic Prioritization Office of

Transportation (SPOT)

Contact information

Phone

Voice 919.707.4742

Address

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address spot@ncdot.gov

Contact instructions

Phone or email

Resource Maintenance

Resource maintenance

Update frequency annually

Scope of the updates dataset

Maintenance contact - point of contact

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

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e-mail address gishelp@ncdot.gov

Hours of service

8am-5pm, M-F

Contact instructions

Phone or email

Resource Constraints

Legal constraints

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Security constraints

Classification unclassified

Classification system None

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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

ProjectedCoordinateSystem

WKID 102719

XOrigin -121841900

YOrigin -93659000

XYScale 3048.0060960121918

ZOrigin 0

ZScale 1

MOrigin 0

MScale 1

XYTolerance 0.0032808333333333331

ZTolerance 0.0032808333333333331

MTolerance 0.001

HighPrecision true

LatestWKID 2264

VCSWKID 105703

LatestVCSWKID 6360

WKT

```
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]],VERTCS["NAD_1988_Foot_US",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.3048006096012192]]
```

Reference system identifier

Value 2264

Codespace EPSG

Version 6.12(9.0.0)

Spatial Data Properties

Vector

Level of topology for this dataset geometry only

Geometric objects

Feature class name SPOT_MunicipalBoundary

Object type composite

Object count 550

ArcGIS Feature Class Properties

Feature class name SPOT_MunicipalBoundary
Feature type Simple
Geometry type Polygon
Has topology FALSE
Feature count 550
Spatial index TRUE
Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Conceptual consistency

Conformance test results

Test passed Yes

Result explanation

The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. Quality checks were performed by the Strategic Prioritization Office of Transportation (SPOT) and the North Carolina Department of Transportation Geographic Information Systems Unit and errors were accepted as within business range or identified as exceptions.

Product specification

Title NCDOT Geospatial Data Specifications

Publication date 2023-07-17 00:00:00

Lineage

Lineage statement

Municipal boundaries are recognized as base cartographic layers used for location analysis. The data were further manipulated by the North Carolina Department of Transportation Geographic Information Systems Unit and/or the North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT) to produce the required data for Prioritization 7.0.

Process step

Description

The Data Conversion Group of the North Carolina Department of Transportation GIS Unit serves as the data steward of this spatial polygon data.

Process contact - processor

Organization's name North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information

Phone

Voice 919.707.4742

Address

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh
Administrative area NC
Postal code 27610
Country US
e-mail address spot@ncdot.gov
Contact instructions
Phone or email

Process step

Description

Metadata is updated for publication

Process contact - processor

Organization's name North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information

Phone

Voice 919.707.4742

Address

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address spot@ncdot.gov

Contact instructions

Phone or email

Process step

Description

The North Carolina Department of Transportation Geographic Information Systems Unit placed the data into ArcGIS 10.3 to process and the desired product for the Strategic Prioritization Office of Transportation (SPOT).

Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information

Phone

Voice 919.707.4742

Address

Type postal

Delivery point Century Center Building B, 1020 Birch Ridge Drive
City Raleigh
Administrative area NC
Postal code 27610
Country US
e-mail address spot@ncdot.gov
Contact instructions
Phone or email

Distribution format

Version ArcGIS 10.3
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 SPOT_MunicipalBoundary

Type Feature Class
Row count 550
Definition
Municipal boundaries in North Carolina.

Definition source
NCDOT

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 MB_NAME

Alias MB_NAME
Data type String

Width 30
Precision 0
Scale 0

Field description

Municipal boundary name (city or town).

Description source

NC State Demographics Unit

Description of values

No domain

Field MB_NAME_U

Alias MB_NAME_U
Data type String
Width 30
Precision 0
Scale 0

Field description

Capitalized name of municipality (city or town)

Description source

NC State Demographics Unit

Description of values

No domain

Field CNTY_1

Alias CNTY_1
Data type String
Width 20
Precision 0
Scale 0

Field description

County that contains the first largest land area of each municipality

Description source

NCDOT GIS

Description of values

No domain

Field CNTY_2

Alias CNTY_2
Data type String
Width 20
Precision 0
Scale 0

Field description

County that contains the second largest land area of each municipality

Description source

NCDOT GIS

Description of values

No domain

Field CNTY_3

Alias CNTY_3
Data type String
Width 20
Precision 0
Scale 0

Field description

County that contains the third largest land area of each municipality

Description source

NCDOT GIS

Description of values

No domain

Field CNTY_4

Alias CNTY_4
Data type String
Width 20
Precision 0
Scale 0

Field description

County that contains the fourth largest land area of each municipality

Description source

NCDOT GIS

Description of values

No domain

Field DOT_DIV

Alias DOT_DIV

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

DOT Division that contains the majority land area of each municipality, used for maintaining layer

Description source

NCDOT

Description of values

No domain

Field TOWN_CODE

Alias TOWN_CODE

Data type String

Width 4

Precision 0

Scale 0

Field description

Town DOT Town Code

Description source

NCDOT

Description of values

No domain

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 POP10

Alias POP10

Data type Integer

Width 4

Precision 0

Scale 0

Field description

U.S. Census Bureau 2010 Population

Description source

U.S. Census Bureau

Description of values

No domain

Field INC_DATE

Alias INC_DATE

Data type Date

Width 8

Precision 0

Scale 0

Field description

Date of incorporation

Description source

NCDOT

Description of values

No domain

Field INC_YEAR

Alias INC_YEAR

Data type SmallInteger

Width 2

Precision 0

Scale 0

Field description

Year of Incorporation

Description source

NCDOT

Description of values

No domain

Field PB_PART

Alias PB_PART

Data type String

Width 2

Precision 0

Scale 0

Field description

Letter representing Y or No to depict if the area is part of the Powell Bill funding program

Description source

NCDOT Powell Bill Administration

Description of values

No domain

Field CensusType

Alias CENSUSTYPE

Data type String

Width 8

Precision 0

Scale 0

Field description

Census Category

Description source

U.S. Census Bureau

List of values

Value Census Types

Description U.S. Census Bureau

Enumerated domain value definition source City, Town, Village

Description of values

No domain

Beginning date of values 2010-01-01

Ending date of values 2015-01-01

Field CHANGED_YR

Alias CHANGED_YR

Data type SmallInteger

Width 2
Precision 0
Scale 0

Field description

Indicates most recent year of change to municipal boundary since 2005

Description source

NCDOT Powell Bill Administration and NCDOT GIS

Description of values

No domain

Field POP_EST

Alias POP_EST
Data type Integer
Width 4
Precision 0
Scale 0

Field description

Estimated population

Description source

North Carolina Powell Bill Administration and the North Carolina State Demographics Unit

Description of values

No domain

Field POP_EST_YR

Alias POP_EST_YR
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

Year (July) of population estimate [POP_EST]

Description source

North Carolina Powell Bill Administration and the North Carolina State Demographics Unit

Description of values

No domain

Field POP_GROWTH

Alias POP_GROWTH
Data type Integer
Width 4
Precision 0
Scale 0

Field description

Population Growth

Description source

NCDOT GIS

Description of values

No domain

Field PCT_GROWTH

Alias PCT_GROWTH
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

Population Percentage growth

Description source

NCDOT GIS

Description of values

No domain

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 Changed

Alias CHANGED

Data type String

Width 15

Precision 0

Scale 0

Field description

Indicates most recent change to municipal boundary since 2005

Description source

NCDOT Powell Bill Administration and NCDOT GIS

List of values

Value Changed

Description North Carolina Powell Bill Administration

Enumerated domain value definition source Changed: Indicates an official change to the boundary according to standard processes for updating boundaries (see note below).

Value Unchanged

Description North Carolina Powell Bill Administration

Enumerated domain value definition source Not Changed: Indicates the boundary has not been updated since 2005. Verified: Indicates the boundary has been reviewed using the Powell Bill map or local map (for Non-Powell Bill towns) for that year and the boundary has not been updated. Updated: Indicates the boundary has been reviewed using the Powell Bill map or local map (for Non-Powell Bill towns) for that year and the boundary has been updated. Note: Powell Bill Participants are responsible for submitting paper maps to the NCDOT Powell Bill Administration annually, if there have been changes to their boundaries since the previous year. For the Powell Bill Participants, the NCDOT GIS Unit updates the boundaries for the municipalities that have submitted maps. For Non-Powell Bill Participants, the NCDOT GIS Unit updates the boundaries periodically. Sources for these updates come from contacting the local government agencies.

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 CityId

Alias CityId
Data type SmallInteger
Width 2
Precision 0
Scale 0

Field description

City Identification Number

Description source

NCDOT

Description of values

No domain

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 2024-02-26

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 2023-12-06 09:06:18
Last modified in ArcGIS for the item 2024-02-26 17:10:12

Automatic updates

Have been performed Yes
Last update 2024-02-26 17:10:12

Metadata Contacts

Metadata contact - point of contact

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

Type postal

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

Contact instructions

Phone or e-mail.

Metadata Maintenance

Maintenance

Update frequency annually

Scope of the updates dataset

Maintenance contact - point of contact

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

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Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

Phone or e-mail.

Metadata Constraints

Security constraints

Classification unclassified

Classification system none

Additional restrictions

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file