Census Urban Boundary, North Carolina Department of Transportation, Prioritization 7.0, July, 2023

Geodatabase Feature Class

Tags   Boundaries, Nation, Polygon, Urban Area, UA, Urbanized Areas, Urban Cluster, UC, Prioritization 7.0 (P7), North Carolina Department of Transportation (NCDOT), Strategic Prioritization Office of Transportation (SPOT)

Summary

A layer representing geographic boundaries in North Carolina delineated as "urban" by the U.S. Census Bureau. The Census Bureau releases to the public extracts of the database in the form of TIGER/Line Shapefiles from which this feature class is derived.

Description

The TIGER/Line Files are shapefiles and related database files (.dbf) that are an extract of selected geographic and cartographic information from the U.S. Census Bureau's Master Address File / Topologically Integrated Geographic Encoding and Referencing (MAF/TIGER) Database (MTDB). The MTDB represents a seamless national file with no overlaps or gaps between parts, however, each TIGER/Line File is designed to stand alone as an independent data set, or they can be combined to cover the entire nation. After each decennial census, the Census Bureau delineates urban areas that represent densely developed territory, encompassing residential, commercial, and other nonresidential urban land uses. In general, this territory consists of areas of high population density and urban land use resulting in a representation of the "urban footprint." There are two types of urban areas: urbanized areas (UAs) that contain 50,000 or more people and urban clusters (UCs) that contain at least 2,500 people, but fewer than 50,000 people (except in the U.S. Virgin Islands and Guam which each contain urban clusters with populations greater than 50,000). Each urban area is identified by a 5-character numeric census code that may contain leading zeroes.

For the purposes of the Strategic Planning Office of Transportation Prioritization 7.0 project, data is not updated after May 2023.

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

United States Census Bureau, North Carolina Department of Transportation (NCDOT), Strategic Prioritization Office of Transportation (SPOT)

Use limitations

The TIGER/Line Shapefile products are not copyrighted however TIGER/Line and Census TIGER are registered trademarks of the U.S. Census Bureau. These products are free to use in a product or publication, however acknowledgement must be given to the U.S. Census Bureau as the source. The boundary information in the TIGER/Line Shapefiles are for statistical data collection and tabulation purposes only; their depiction and designation for statistical

purposes does not constitute a determination of jurisdictional authority or rights of ownership or entitlement and they are not legal land descriptions. Coordinates in the TIGER/Line shapefiles have six implied decimal places, but the positional accuracy of these coordinates is not as great as the six decimal places suggest.

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Extent

West   -83.524015
East   -75.533645
North   36.574758
South   33.821364

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   boundaries, Nation, Polygon, Urban Area, UA, Urbanized Areas, Urban Cluster, UC, North Carolina Department of Transportation,

Thesaurus
Title   User
Publication date   2023-07-17   00:00:00

Place keywords   North Carolina

Thesaurus
Title   user
Publication date   2019-09-01   00:00:00

Citation

Title   Census Urban Boundary, North Carolina Department of Transportation, Prioritization 7.0, July, 2023
Publication date   2023-07-17   00:00:00

Presentation formats   digital map

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
e-mail address   spot@ncdot.gov
Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

Responsible party - resource provider

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

Contact information
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

Resource Details

Dataset languages   English (UNITED STATES)
Dataset character set   utf8 - 8 bit UCS Transfer Format

Spatial representation type   vector

Processing environment   Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

Credits
United States Census Bureau, North Carolina Department of Transportation (NCDOT), Strategic Prioritization Office of Transportation (SPOT)

ArcGIS item properties
Name   CensusUrbanBoundary

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

Access protocol   Local Area Network

Extents
Extent
Temporal extent
Date and time   2019-09-01   00:00:00

Extent
Geographic extent
Bounding rectangle
Extent type
Extent used for searching

West longitude   -83.524015

East longitude   -75.533645

North latitude   36.574758

South latitude   33.821364

Extent contains the resource   Yes

Extent in the item's coordinate system
westBL   670414.163530

eastBL   3018453.430697

southBL   55298.958822

northBL   1028150.624992

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
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Voice   919.707.4742
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e-mail address   spot@ncdot.gov
Hours of service
8am-5pm, M-F

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 Strategic Prioritization Office of Transportation (SPOT)

Contact information
Phone
Voice   919.707.4742
Address
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Delivery point   Century Center Building B, 1020 Birch Ridge Drive
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Hours of service
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Contact instructions
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Resource Constraints

Constraints
Limitations of use

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Security constraints
Classification   unclassified
Classification system   none

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places suggest.

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   3048.0060960121928
ZOrigin   0
ZScale   1
MOrigin   0
MScale   1
XYTolerance   0.0032808333333333331
ZTolerance   0.001
MTolerance   0.001
HighPrecision   true
LatestWKID   2264
WKT
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",D
ATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwic
h",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["Fals
e_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-
79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.1666
6666666666],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)

Spatial Data Properties

Vector
Level of topology for this dataset   geometry only

Geometric objects
Feature class name   CensusUrbanBoundary
Object type   composite
Object count   114
ArcGIS Feature Class Properties
Feature class name   CensusUrbanBoundary

Feature type   Simple
Geometry type   Polygon
Has topology   FALSE
Feature count   114
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
Data acquired from the United States Census Bureau. 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
Data acquired from the United States Census Bureau for use in the Strategic Planning Office of Transportation Prioritization 7.0 Project.

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
e-mail address   spot@ncdot.gov
Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

Process step
Description
Metadata written for P7

Process contact - 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
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Administrative area   NC
Postal code   27610
e-mail address   spot@ncdot.gov
Hours of service
8am-5pm, M-F

Contact instructions
Phone or email

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
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Administrative area   NC
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e-mail address   spot@ncdot.gov
Hours of service
8am-5pm, M-F

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 CensusUrbanBoundary
Type   Feature Class
Row count   114
Definition
A polygon layer displaying urban boundaries. Source: U.S. Census MAF/TIGER database

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 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 UACE10
Alias UACE10
Data type String
Width 5
Precision 0
Scale 0

Field description
2010 Census urban area code

Description source
U.S. Census Bureau

List of values
Value 00001 to 98999
Description Urban Area Code
Enumerated domain value definition source U.S. Census Bureau

Description of values
Area Code

Field GEOID10
Alias GEOID10
Data type String
Width 5
Precision 0
Scale 0

Field description
Urban area identifier, a concatenation of Current state Federal Information Processing Standards (FIPS) code and urban area code

Description source
U.S. Census Bureau

Coded values
Name of codelist INCITS.38-200x (R2004), Codes for the Identification of the States, the District of Columbia, Puerto Rico, and the Insular Areas of the United States (Formerly FIPS 5-2), The urban area code that appears in UACE10

Source U.S. Census Bureau

Field NAME10
Alias NAME10

Data type String

Width 100

Precision 0

Scale 0

Field description
2010 Census urban area name

Description source
U.S. Census Bureau

Coded values
Name of codelist Refer to the online Census 2000 Urbanized Area and Urban Cluster information at URL: http://www.census.gov/geo/www/ua/ua_2k.html

Source U.S. Census Bureau

Field NAMELSAD10
Alias NAMELSAD10

Data type String

Width 100

Precision 0

Scale 0

Field description
2010 Census name and the translated legal/statistical area description for urban area

Description source
U.S. Census Bureau

Coded values
Name of codelist Refer to the online Census 2010 Urbanized Area and Urban Cluster information at URL http://www.census.gov/programs-surveys/geography/guidance/geo-areas/urban-rural/2010-urban-rural.html and the translated legal/statistical area description code for urban area that appears in LSAD10

Source U.S. Census Bureau

Field LSAD10
Alias LSAD10

Data type String

Width 2

Precision   0
Scale   0

Field description
2010 Census legal/statistical area description code for urban area

Description source
U.S. Census Bureau

List of values
Value   75
Description   Urbanized Area
Enumerated domain value definition source   U.S. Census Bureau

Value   76
Description   Urban Cluster
Enumerated domain value definition source   U.S. Census Bureau

Field MTFCC10
Alias   MTFCC10
Data type   String
Width   5
Precision   0
Scale   0

Field description
MAF/TIGER feature class code

Description source
U.S. Census Bureau

List of values
Value   G3500
Description   Urban Area
Enumerated domain value definition source   U.S. Census Bureau

Field UATYP10
Alias   UATYP10
Data type   String
Width   1
Precision   0
Scale   0

Field description
2010 Census urban area type

Description source

U.S. Census Bureau

List of values
Value   U
Description   Urbanized Area (suffix)
Enumerated domain value definition source   U.S. Census Bureau

Value   C
Description   Urban Cluster (suffix)
Enumerated domain value definition source   U.S. Census Bureau

Field FUNCSTAT10
Alias   FUNCSTAT10
Data type   String
Width   1
Precision   0
Scale   0

Field description
2010 Census functional status

Description source
U.S. Census Bureau

List of values
Value   S
Description   Statistical entity
Enumerated domain value definition source   U.S. Census Bureau

Field ALAND10
Alias   ALAND10
Data type   Double
Width   8
Precision   0
Scale   0

Field description
2010 Census land area (square meters)

Description source
U.S. Census Bureau

List of values
Value   0 to 9,999,999,999,999
Description   Blank
Enumerated domain value definition source   U.S. Census Bureau

Field AWATER10

Alias   AWATER10

Data type   Double

Width   8

Precision   0

Scale   0

Field description
2010 Census water area (square meters)

Description source
U.S. Census Bureau

List of values

Value   0 to 9,999,999,999,999

Description   Blank

Enumerated domain value definition source   U.S. Census Bureau

Field INTPTLAT10

Alias   INTPTLAT10

Data type   String

Width   11

Precision   0

Scale   0

Field description
2010 Census latitude of the internal point

Description source
U.S. Census Bureau

List of values

Value   00

Description   Blank

Enumerated domain value definition source   U.S. Census Bureau

Field INTPTLON10

Alias   INTPTLON10

Data type   String

Width   12

Precision   0

Scale   0

Field description
2010 Census longitude of the internal point

Description source

U.S. Census Bureau

List of values
Value 00
Description Blank
Enumerated domain value definition source U.S. Census Bureau

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.

Details for object
UAC10
Type Feature Class
Row count 114
Definition
A collection of geographic features with the same geometry type, the same attributes, and the same spatial reference

Definition source
ESRI

Metadata Details

Metadata language   English (UNITED STATES)

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   FGDC CSDGM Metadata

Created in ArcGIS for the item   2023-12-06   09:02:45
Last modified in ArcGIS for the item   2024-02-26   16:21:08

Automatic updates
Have been performed   Yes
Last update   2024-02-26   16:21:08
Item location history
Item copied or moved   2013-05-23   10:31:19
To   \\TPB265592\C$\MY DATA\GIS DATA\2010 Census\2013_mpo_census_MAP-2\commondata\2010_nc\2010_NC_UC
From   C:\MY DATA\GIS DATA\2010 Census\2010_NC\2010_NC_UC

Metadata Contacts

Metadata contact - originator
Organization's name   North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

Contact information
Phone
Voice   919.707.4742
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Type   postal
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e-mail address   spot@ncdot.gov
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8am-5pm, M-F

Contact instructions

Phone or email

Metadata Maintenance

Maintenance
Update frequency   annually

Scope of the updates   dataset

Maintenance contact - point of contact
Organization's name   North Carolina Department of Transportation Strategic Prioritization Office of Transportation (SPOT)

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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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For the purposes of the Strategic Planning Office of Transportation Prioritization 7.0 project, data is not updated after September 2019.

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.

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