Normalized Land Use Type - US Census Block Scale , June 2019 -NC Department of Transportation

File Geodatabase Feature Class



Tags

land use, census block, UrbanFootprint, Transportation, NCDOT, Environment, North Carolina, ATLAS

Summary

This dataset was originally provided in June 2019 as part of the Project ATLAS initiative at NCDOT to support project delivery in the development phase. Information contained in this dataset provides a supporting platform for decision making on NCDOT projects via the ATLAS Tools.

Description

This dataset is a statewide polygon layer that provides a broad-scale description of the existing built environment (land use) at the US Census Block geography level. The description provided for each geography is a normalized classification of land use that is intended to be representative of the existing built environment, on average, within that geography. Land use types contained in this dataset have been generated by the UrbanFootprint data processing pipeline and made available for NCDOT users by license agreement between UrbanFootprint and NCDOT - EAU.

This dataset does not replace any technical report work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely predecisional.

Credits

Land use types contained in this dataset are produced by UrbanFootprint and made available for NCDOT users by license agreement between UrbanFootprint and NCDOT - EAU.

Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's 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.

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Extent

 West
 -84.457373
 East
 -75.347344

 North
 36.800232
 South
 33.640992

 Scale Range
 South
 South
 South

Maximum (zoomed in) 1:5,000 Minimum (zoomed out) 1:625,000

ArcGIS Metadata 🕨

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE society, transportation, environment

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

PLACE KEYWORDS North Carolina

THESAURUS TITLE User CREATION DATE 2019-06-17 00:00:00 PUBLICATION DATE 2019-12-18 00:00:00

Hide Thesaurus

THEME KEYWORDS land use, census block, UrbanFootprint, Transportation, NCDOT, Environment, North Carolina, ATLAS

 THESAURUS
 ►

 TITLE
 User

 CREATION DATE
 2019-06-17
 00:00:00

 PUBLICATION DATE
 2019-12-18
 00:00:00

Hide Thesaurus 🔺

Hide Topics and Keywords

Citation **•**

TITLE Normalized Land Use Type - US Census Block Scale , June 2019 - NC Department of Transportation ALTERNATE TITLES UF Block Canvas - June 2019 CREATION DATE 2019-06-17 00:00:00 PUBLICATION DATE 2019-12-18 00:00:00

PRESENTATION FORMATS digital map FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

Hide Citation **A**

Citation Contacts ►

RESPONSIBLE PARTY ORGANIZATION'S NAME UrbanFootprint INDIVIDUAL'S NAME UrbanFootprint CONTACT'S ROLE originator

CONTACT INFORMATION ADDRESS

TYPE physical Delivery point 2095 Rose St City Berkeley Administrative area CA Postal code 94708 Country US E-MAIL Address info@urbanfootprint.com

HOURS OF SERVICE 9:00am – 5:00pm Monday - Friday

CONTACT INSTRUCTIONS Please send an email with any issues to info@urbanfootprint.com.

Hide Contact information

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE resource provider

CONTACT INFORMATION

PHONE VOICE 919-707-6136

Address Type physical Delivery point Century Center Building B, 1020 Birch Ridge Drive City Raleigh Administrative area NC Postal code 27610 COUNTRY US E-MAIL Address ATLAS@ncdot.gov

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Hide Contact information **A**

RESPONSIBLE PARTY

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE point of contact

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Hide Citation Contacts

Resource Details ►

DATASET LANGUAGES English (UNITED STATES) DATASET CHARACTER SET Utf8 - 8 bit UCS Transfer Format

STATUS completed SPATIAL REPRESENTATION TYPE vector

SUPPLEMENTAL INFORMATION

Any questions about this dataset, including suitability of its use in particular applications, should be directed to NCDOT - EAU. Users are also encouraged to provide feedback and suggestions for improving the dataset.

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.8.1.14362

CREDITS

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Hide Resource Details

Extents

```
EXTENT
 DESCRIPTION
     Data collection is complete.
 GEOGRAPHIC EXTENT
  BOUNDING RECTANGLE
    WEST LONGITUDE -84.4574
    EAST LONGITUDE -75.3473
    SOUTH LATITUDE 33.641
    NORTH LATITUDE 36.7996
    EXTENT CONTAINS THE RESOURCE Yes
EXTENT
 GEOGRAPHIC EXTENT
  BOUNDING RECTANGLE
    EXTENT TYPE Extent used for searching
    * WEST LONGITUDE -84.457373
    * EAST LONGITUDE -75.347344
    * NORTH LATITUDE 36.800232
    * SOUTH LATITUDE 33.640992
    * EXTENT CONTAINS THE RESOURCE Yes
```

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE 400116.887853
- * EAST LONGITUDE 3070216.296331
- * SOUTH LATITUDE 2698.609299
- * NORTH LATITUDE 1110256.550347
- * EXTENT CONTAINS THE RESOURCE Yes

Hide Extents

Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE point of contact

CONTACT INFORMATION PHONE VOICE 919-707-6136

ADDRESS

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Hide Contact information

Hide Resource Points of Contact

Resource Maintenance

RESOURCE MAINTENANCE UPDATE FREQUENCY as needed

SCOPE OF THE UPDATES dataset

OTHER MAINTENANCE REQUIREMENTS

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Hide Contact information **A**

Hide Resource Maintenance

Resource Constraints ►

CONSTRAINTS LIMITATIONS OF USE

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LEGAL CONSTRAINTS

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SECURITY CONSTRAINTS

CLASSIFICATION Unclassified CLASSIFICATION SYSTEM None

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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 3048.0060960121928 Z ORIGIN -100000 Z SCALE 10000 M ORIGIN -100000 M SCALE 10000 XY TOLERANCE 0.0032808333333333333 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_19 83",DATUM["D North American 1983",SPHEROID["GRS 1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert Conformal Conic"],P ARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Cen tral Meridian",-79.0], PARAMETER["Standard_Parallel_1", 34.33333333333333334], PARAMETER["Standard_Parallel_2", 36. 16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],A UTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 2264
- * CODESPACE EPSG
- * VERSION 6.12(9.0.0)

Hide Spatial Reference

Spatial Data Properties ►

VECTOR ► * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only GEOMETRIC OBJECTS FEATURE CLASS NAME NormalizedLandUseUF * OBJECT TYPE composite * OBJECT COUNT 290101 Hide Vector ▲ ARCGIS FEATURE CLASS PROPERTIES FEATURE CLASS NAME NormalizedLandUseUF

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polygon
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 290101
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties

Hide Spatial Data Properties **A**

Data Quality 🕨

SCOPE OF QUALITY INFORMATION RESOURCE LEVEL dataset

Hide Scope of quality information ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY MEASURE DESCRIPTION Geometry checks were conducted using ESRI's Data Reviewer tool.

CONFORMANCE TEST RESULTS TEST PASSED Yes RESULT EXPLANATION Pass

PRODUCT SPECIFICATION TITLE NCDOT Geospatial Data Specifications CREATION DATE 2019-06-17 00:00:00 PUBLICATION DATE 2019-12-18 00:00:00

Hide Product specification **A**

Hide Data quality report - Quantitative attribute accuracy

Hide Data Quality 🔺

Lineage 🕨

LINEAGE STATEMENT

Records in this dataset have been generated by UrbanFootprint's proprietary data processing pipeline, which involves cleaning, compiling, and processing geographic and tabular data from a variety of sources, including: the 2010 US Decennial Census; the 2012 American Community Survey (ACS) 5-year Summary data; the 2010 Longitudinal Employer-Household Dynamics (LEHD) data; US

Environmental Protection Agency's Smart Location Database; and US Census Bureau's Area Landmarks dataset.

PROCESS STEP

DESCRIPTION Polygon data was reviewed in ESRI's Data Reviewer tool to verify geometry. **PROCESS CONTACT** ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE processor CONTACT INFORMATION PHONE VOICE 919-707-6136 ADDRESS TYPE physical DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive CITY Raleigh ADMINISTRATIVE AREA NC POSTAL CODE 27610 COUNTRY US E-MAIL ADDRESS ATLAS@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 ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email. Hide Contact information Hide Process step PROCESS STEP DESCRIPTION Geodatabase was forwarded on to the GIS Unit for publishing as part of data for project ATLAS. PROCESS CONTACT ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE processor CONTACT INFORMATION PHONE VOICE 919-707-6136 **A**DDRESS TYPE physical DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

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Hide Contact information **A**

Hide Process step 🔺

Hide Lineage

Distribution **>**

DISTRIBUTOR

CONTACT INFORMATION ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE distributor

CONTACT INFORMATION PHONE VOICE 919-707-6136

ADDRESS

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Hide Contact information

Hide Distributor

DISTRIBUTION FORMAT * NAME File Geodatabase Feature Class VERSION 10.5



DETAILS FOR OBJECT NormalizedLandUseUF * TYPE Feature Class * Row COUNT 290101 DEFINITION Normalized Land Use Type 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.

Hide Field OBJECTID ▲

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.

Hide Field SHAPE ▲

FIELD id ALIAS geographyid * DATA TYPE String * WIDTH 80 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION Unique, UrbanFootprint-generated id

DESCRIPTION SOURCE UrbanFootprint

Hide Field id 🔺

FIELD BuiltForm ► ALIAS BuiltFormKey * DATA TYPE String * WIDTH 254 * PRECISION 0 * SCALE 0 FIELD DESCRIPTION UrbanFootprint Building/Place types

DESCRIPTION SOURCE

UrbanFootprint

Hide Field BuiltForm ▲

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.

Hide Field SHAPE_Length ▲

FIELD GeometryKey ►

- * ALIAS GeometryKey
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0
- FIELD DESCRIPTION Geometry key from UrbanFootprint

DESCRIPTION SOURCE UrbanFootprint

Hide Field GeometryKey ▲

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.

Hide Field SHAPE_Area ▲

Hide Details for object NormalizedLandUseUF

Hide Fields 🔺

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 2024-01-29

ARCGIS METADATA PROPERTIES METADATA FORMAT ArcGIS 1.0 METADATA STYLE ISO 19139 Metadata Implementation Specification STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2024-02-01 13:16:31 LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-01-29 16:19:36

AUTOMATIC UPDATES HAVE BEEN PERFORMED Yes LAST UPDATE 2024-01-29 16:19:36

Hide Metadata Details 🔺

Metadata Contacts **>**

METADATA CONTACT ORGANIZATION'S NAME North Carolina Department of Transportation - EAU Mitigation and Modeling Unit CONTACT'S POSITION Environmental Program Consultant CONTACT'S ROLE point of contact CONTACT INFORMATION PHONE

VOICE 919-707-6136

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Metadata Maintenance

MAINTENANCE UPDATE FREQUENCY as needed

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MAINTENANCE CONTACT ORGANIZATION'S NAME UrbanFootprint INDIVIDUAL'S NAME UrbanFootprint CONTACT'S ROLE originator

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Hide Contact information

Hide Metadata Maintenance



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SECURITY CONSTRAINTS CLASSIFICATION Unclassified CLASSIFICATION SYSTEM None

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Hide Metadata Constraints