

NC Places of Worship, April 2025 - NC Department of Transportation

Geodatabase Feature Class



Tags point, religious institutions, church, synagogues, mosques, temples, places of worship, institutions, structure, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS, society, Planning & Cadastral

Summary

This dataset was originally created in January 2019 and updated in March 2025 as part of the Project ATLAS initiative at NCDOT to support the Environment Analysis Unit (EAU) with project delivery in the development phase.

This dataset represents places of worship across the state of North Carolina. It was derived from the ESRI layer package "USA Institutions", published on February 5, 2018. A subset of this layer was extracted by selecting only records with feature types equal to 'Place of Worship'. Records were then reviewed for relevance. No new data was created / added to this layer since its inception.

Description

The Places of Worship dataset is a statewide point layer that depicts places of worship including churches, synagogues, mosques, and temples. It was derived from an ESRI layer titled "USA Institutions" in June 2018, which represents point locations within the United States for common institutional landmarks. Features with type equal to 'Place of Worship' were exported from the source layer to create this Project ATLAS dataset. This data is current as of June 2018.

Datasets developed under Project ATLAS 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 pre-decisional.

Credits

The ATLAS EAU within NCDOT was tasked to create this dataset.

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 -84.383645

East -75.421081
North 36.605661
South 33.763373

Scale Range

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

Topics and Keywords

Themes or categories of the resource Structure, Location, Planning & Cadastral, Society, Environment

Content type Downloadable Data

Export to FGDC CSDGM XML format as Resource Description No

Theme keywords point, religious institutions, church, synagogues, mosques, temples, places of worship, institutions, structure, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS, society, Planning & Cadastral

Thesaurus

Title	User
Creation date	2025-03-19 00:00:00
Publication date	2025-04-25 00:00:00

Place keywords North Carolina

Thesaurus

Title	User
Creation date	2025-03-19 00:00:00
Publication date	2025-04-25 00:00:00

Citation

Title NC Places of Worship, April 2025 - NC Department of Transportation

Publication date 2025-04-25 00:00:00

Creation date 2025-03-19 00:00:00

Edition 2017

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - resource provider

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
Contact's position Environmental Program Consultant
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.

Responsible party - point of contact

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

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Contact's position Environmental Program Consultant

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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.

Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status completed

Spatial representation type vector

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

Credits

The ATLAS EAU within NCDOT was tasked to create this dataset.

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

Extents

Extent

Description

Data collection is complete.

Geographic extent

Bounding rectangle

West longitude -84.422111

East longitude 75.416034

South latitude 33.730557
North latitude 36.617257
Extent contains the resource Yes

Temporal extent

Beginning date 2025-03-19 00:00:00
Ending date 2025-03-19 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching
West longitude -84.383645
East longitude -75.421081
North latitude 36.605661
South latitude 33.763373
Extent contains the resource Yes

Extent in the item's coordinate system

westBL 417927.407678
eastBL 3051148.425018
southBL 46365.871046
northBL 1039403.233720
exTypeCode Yes

Resource Points of Contact

Point of contact - originator

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit
Contact's position Environmental Program Consultant

Contact information

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Voice 919-707-6136

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Resource Maintenance

Resource maintenance

Update frequency as needed

Scope of the updates dataset

Other maintenance requirements

Maintenance of this dataset is handled by the EAU.

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

Maintenance contact - originator

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

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Voice 919-707-6136

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Resource Constraints

Legal constraints

Limitations of use

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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 3048.0060960121928

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",DATUM["1983",AUTHORITY="EPSG",7901],PARAMETER["Standard_Parallel_1",34.33333333333333],PARAMETER["Standard_Parallel_2",36.16666666666667],

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 GdbGisuPubC.ATLAS.NCPlacesOfWorship
Object type point
Object count 21437

ArcGIS Feature Class Properties

Feature class name GdbGisuPubC.ATLAS.NCPlacesOfWorship
Feature type Simple
Geometry type Point
Has topology FALSE
Feature count 21437
Spatial index TRUE
Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Conceptual consistency

Data quality measure reference

Measure description
The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. The geometry is checked, and if needed repaired.

Conformance test results

Test passed Yes
Result explanation
Pass

Product specification

Title NCDOT Geospatial Data Specifications
Publication date 2025-04-25 00:00:00
Creation date 2025-03-19 00:00:00

Data quality report - Completeness omission

Data quality measure reference

Measure description

After processing, the dataset is checked for drawing display and number of records and file sizes compared with source materials.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Publication date 2025-04-25 00:00:00

Creation date 2025-03-19 00:00:00

Data quality report - Quantitative attribute accuracy

dimension horizontal

Data quality measure reference

Measure description

Geometry checks were conducted using ESRI's Data Reviewer tool.

There are overlapping geometries present in the dataset some of which may be due to multiple churches using the same physical location.

Quality checks on the data for completeness, consistency, positional and attribute accuracy were conducted by an outside contractor.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Publication date 2025-04-25 00:00:00

Creation date 2025-03-19 00:00:00

Lineage

Lineage statement

The ESRI layer package "USA Institutions" (<http://www.arcgis.com/home/item.html?id=007ff07891e34e339a6da82a5c44fd31>) provides the locations of hospitals, educational institutions, places of worship, government offices, cemeteries, libraries, and museums throughout the country. Each institution is named and shows the state and county it resides in. This dataset was compiled in January 2019 . The layer package was spatially queried for records falling within the North Carolina state boundary. Records were then sub-queried based on FEATTYPE = 'Place of Worship'. Features were examined for accuracy and completeness. The resulting dataset contains 18,231 features. March 2025 update:

New data points were added.

Process step

Description

The ESRI layer package "USA Institutions" was spatially queried for records falling within the North Carolina state boundary. Records were then sub-queried based on FEATTYPE = 'Place of Worship'. Feature totals were cross-referenced with 2010 US Religion Census Data to ensure a comparable data scale (15,737 congregations in NC according to 2010 census; 18,231 features according to this dataset); Features across the state were sampled at random to check for existence in the Google Maps Database

Process contact - originator

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

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

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Process step

Description

Parcel data for Wake County was analyzed to infer congregation totals based on zoning type; each candidate dataset was then cross-referenced to assess scale of data (USA Institutions was one of two data layers that provided a comparable total for Wake County; however, it provided a much more accurate count statewide and was therefore chosen over the other candidate).

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Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

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Process step

Description

Point data was reviewed in ESRI's Data Reviewer tool to verify geometry. Overlapping geometries in the dataset were found and verified at least in part to be due to multiple churches using the same physical location.

Process contact - originator

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

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Process step

Description

Geodatabase was forwarded on to the GIS Unit for publishing as part of data for project ATLAS.

Process contact - originator

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6136

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Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6136

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

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Distribution format

Name File Geodatabase Feature Class

Version 10.5

Fields

Details for object GdbGisuPubC.ATLAS.NCPlacesOfWorship

Type Feature Class

Row count 21437

Definition

The points represent the locations for places of worship, including churches, synagogues, mosques, and temples in the state of North Carolina.

Definition source

NCDOT

Field ObjectID

Alias OBJECTID

Data type OID

Width 4

Precision 10

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 4

Precision 0

Scale 0

Field description

Feature geometry.

Description source

Esri

Description of values

Coordinates defining the features.

Field StCtyFIPS

Alias StateCountyFIPSCode

Data type String

Width 5

Precision 0

Scale 0

Field description

The FIPS code (two-digit number) for the state in which the institution is located combined with the FIPS code (three-digit number) for the county in which the institution is located. (example: FIPS for state of North Carolina = 37; FIPS for Wake County = 183; STCTYFIPS code for institution located within Wake County would be "37183")

Description source

American National Standards Institute

Coded values

Name of codelist INCITS 38:2009, (Formerly FIPS 5-2) Codes; INCITS 31:2009, (Formerly FIPS 6-4) Codes

Source American National Standards Institute

Beginning date of values 2019-02-01

Field InstName

Alias WorshipInstitutionName

Data type String

Width 100

Precision 0

Scale 0

Field description

The official name of the institution.

Description source

TomTom North America, Inc.

Beginning date of values 2019-02-01

Field County

Alias CountyName

Data type String

Width 15

Precision 0

Scale 0

Field description

County Name

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 2026-09-02

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 2026-09-02 15:22:05

Last modified in ArcGIS for the item 2026-09-02 15:16:31

Automatic updates

Have been performed Yes

Last update 2026-09-02 15:16:31

Metadata Contacts

Metadata contact - point of contact

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6136

Address

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Metadata Maintenance

Maintenance

Update frequency as needed

Other maintenance requirements

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

Maintenance contact - originator

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Contact's position Environmental Program Consultant

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Metadata Constraints

Constraints

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Security constraints

Classification unclassified

Classification system None

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file