

NC Archaeological Site Hexagons, July 2022 - NC Department of Transportation

Geodatabase Feature Class



Tags NCDNCR, North Carolina Department of Natural and Cultural Resources, NCOSA, sites, North Carolina Office of State Archaeology, NRHP, National Register of Historic Places, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in March 2022 as part of the Project ATLAS initiative at NCDOT to support the Archaeology group with project delivery in the development phase.

This layer was created to display generalized location of archaeological sites listed on the National Register of Historic Places in North Carolina for NCDOT planning purposes. Dataset does not include National Register listed archaeological sites, structures or districts that are published on HPOweb.

Description

The NC Archaeological site hexagons dataset is a point layer in a statewide GIS dataset for depicting archaeological sites listed on the National Register of Historic Places in North Carolina.

Hexagonal areas represent the generalized location of NRHP-listed archaeological sites for the protection of archaeological site locations. This dataset was created from a fishnet tessellation of approximately 10 square mile hexagons across North Carolina. Displayed hexagon areas represent those areas with at least one NRHP site present. Hexagonal areas may include more than one NRHP site. Areas do not represent a buffer and sites can occur within any part of displayed area.

Dataset does not include sites not listed on NRHP including those on the state's Study List, Determinations of Eligibility, or those unassessed for the NRHP. These were created from source files for NRHP sites stored at the NC Office of State Archaeology.

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 NC Office of State Archaeology created this dataset.

Maintenance of this dataset is handled by the NC Office of State Archaeology. 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 -84.447269

East -75.384860

North 36.634608

South 33.712756

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:625,000

Topics and Keywords

Themes or categories of the resource Biota, Geoscientific, Inland Waters, Location, Transportation, Environment

Content type Downloadable Data

Export to FGDC CSDGM XML format as Resource Description No

Theme keywords NCDNCR, North Carolina Department of Natural and Cultural Resources, NCOSA, sites, North Carolina Office of State Archaeology, NRHP, National Register of Historic Places, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

Thesaurus

Title User

Creation date 2022-03-01 00:00:00

Publication date 2022-07-29 00:00:00

Place keywords North Carolina

Thesaurus

Title User

Creation date 2022-03-01 00:00:00

Publication date 2022-07-29 00:00:00

Citation

Title NC Archaeological Site Hexagons, July 2022 - NC Department of Transportation

Creation date 2022-03-01 00:00:00

Publication date 2022-07-29 00:00:00

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - 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

Type

Delivery point 4101 Capital Boulevard

City Raleigh

Administrative area NC

Postal code 27604

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 - originator

Organization's name NC Office of State Archaeology

Contact's position GIS Specialist

Individual's name Samuel Franklin

Contact information

Phone

Voice 919-814-6563

Address

Type

Delivery point 109 E. Jones Street,

City Raleigh

Administrative area NC

Postal code 27601

Country US

e-mail address samuel.franklin@ncdcr.gov

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

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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 10.5.1.7333

Credits

The NC Office of State Archaeology created this dataset.

Maintenance of this dataset is handled by the NC Office of State Archaeology. 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 2022-03-01 00:00:00

Ending date 2022-03-01 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

West longitude -84.447269

East longitude -75.384860

North latitude 36.634608

South latitude 33.712756

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 399772.041101

eastBL 3061411.916958

southBL 28874.877813

northBL 1049943.773991

exTypeCode Yes

Resource Points of Contact

Point of contact - originator

Organization's name NC Office of State Archaeology

Contact's position GIS Specialist

Individual's name Samuel Franklin

Contact information

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Voice 919-814-6563

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Country US

e-mail address samuel.franklin@ncdcr.gov

Resource Maintenance

Resource maintenance

Update frequency as needed

Scope of the updates dataset

Other maintenance requirements

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Maintenance contact - originator

Organization's name NC Office of State Archaeology

Contact's position GIS Specialist

Individual's name Samuel Franklin

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Country US

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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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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 3048.00609601219

ZOrigin -100000

ZScale 10000

MOrigin -100000

MScale 10000

XYTolerance 0.003280833333333333

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["79.0"],PARAMETER["Standard_Parallel_1",34.33333333333334],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 ArchaeologicalSiteHexagons

Object type composite

Object count 11278

ArcGIS Feature Class Properties

Feature class name ArchaeologicalSiteHexagons

Feature type Simple

Geometry type Polygon

Has topology FALSE

Feature count 11278

Spatial index TRUE

Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

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

Creation date 2019-10-01 00:00:00

Publication date 2021-06-17 00:00:00

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

Creation date 2019-10-01 00:00:00

Publication date 2021-06-17 00:00:00

Lineage

Lineage statement

Data was compiled from the locations of archaeological sites listed on the NRHP in NC from information on file at the North Carolina Office of State Archaeology.

Process step

Description

Data was reviewed in ESRI's Data Reviewer tool to verify geometry.

Process 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

Type

Delivery point 4101 Capital Boulevard

City Raleigh

Administrative area NC

Postal code 27604

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

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

Process contact - 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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Process step

Description

This dataset was created from a fishnet tessellation of approximately 10 square mile hexagons across the state of North Carolina.

Process contact - originator

Organization's name NC Office of State Archaeology

Contact's position GIS Specialist

Individual's name Samuel Franklin

Contact information

Phone

Voice 919-814-6563

Address

Type

Delivery point 109 E. Jones Street,

City Raleigh

Administrative area NC

Postal code 27601

Country US

e-mail address samuel.franklin@ncdcr.gov

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

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Distribution format

Name File Geodatabase Feature Class
Version 10.5

Fields

Details for object ArchaeologicalSiteHexagons

Type Feature Class
Row count 11278
Definition
Generalized location of NRHP-listed archaeological sites

Definition source

ESRI

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 GridID

Alias GridID

Data type String

Width 12

Precision 0

Scale 0

Field description

Unique ID for each hexagon area

Description source

NCOSA

Field Status

Alias Status

Data type String

Width 5

Precision 0

Scale 0

Field description

Listed or unlisted on the National Register of Historic Places (NRHP)

Description source

NCOSA

List of values

Value NRHP sites present

Description NRHP-listed archaeological sites present

Enumerated domain value definition source NCOSA

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 2022-08-15

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 2026-08-26 14:37:47

Last modified in ArcGIS for the item 2022-08-15 15:56:11

Automatic updates

Have been performed Yes

Last update 2022-08-15 15:56:11

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

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Metadata Maintenance

Maintenance

Update frequency as needed

Other maintenance requirements

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Metadata Constraints

Security constraints

Classification unclassified

Classification system None

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file