

NC K-12 Schools, August 2019 - NC Department of Transportation

Geodatabase Feature Class



Tags

School, Public, Private, Charter, K-12, Education, High, Middle, Elementary, Transportation, NCDOT, Environment, Location, North Carolina, NC, ATLAS

Summary

This dataset was originally created in January 2019 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 K-12 schools across the State of North Carolina. Tabular data was compiled from North Carolina Department of Public Instruction and Office of Non-Public Education under the Department of Administration. The tabular data was geocoded utilizing ESRI's ArcGIS toolsets.

Description

The NC K-12 schools dataset is a statewide point layer for locations of K-12 schools across the state of NC. Tabular data was compiled from North Carolina Department of Public Instruction and Office of Non-Public Education under the Department of Administration in July 2018. The tabular data was geocoded utilizing ESRI's ArcGIS toolsets to create this Project ATLAS dataset.

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 NCDOT'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 -84.311224

East -75.497611

North 36.570180

South 33.814382

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:625,000

Topics and Keywords

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

Content type Downloadable Data

Theme keywords School, Public, Private, Charter, K-12, Education, High, Middle, Elementary, Transportation, NCDOT, Environment, Location, North Carolina, NC, ATLAS

Thesaurus

Title User

Publication date 2019-08-28 00:00:00

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

Place keywords North Carolina

Thesaurus

Title User

Publication date 2019-08-28 00:00:00

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

Citation

Title NC K-12 Schools, August 2019 - NC Department of Transportation

Publication date 2019-08-28 00:00:00

Creation date 2019-01-01 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 physical

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 - resource provider

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

Contact's position Environmental Program Consultant

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Responsible party - originator

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

Contact's position Environmental Program Consultant

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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 10.8.1.14362

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.

Temporal extent

Beginning date 2018-07-31 00:00:00

Ending date 2018-07-31 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

West longitude -84.311224

East longitude -75.497611

North latitude 36.570180

South latitude 33.814382

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 438558.499618

eastBL 3029108.091802

southBL 63880.745137

northBL 1026483.618155

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 annually

Scope of the updates dataset

Other maintenance requirements

Annual 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

Phone

Voice 919-707-6136

Address

Type physical

Delivery point 4101 Capital Boulevard

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Resource Constraints

Constraints

Limitations of use

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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 3048.0060960121918
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["North_American_Datum_1983",SPHEROID["WGS_84",6378137,0],UNIT["Meter",1],AUTHORITY["EPSG",3147]],PRIMORDIAL["Greenwich",0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",34.33333333333334],PARAMETER["False_Easting",500000],PARAMETER["False_Northing",500000],PARAMETER["Central_Meridian",-78.25],UNIT["Foot",0.3048],AUTHORITY["EPSG",3147]],PROJ4="proj4:projcs,nad83,carolinas,3147,unit=us-ft,datum=na83,spheroid=84,semi-major-axis=6378137,datum-shift-x=0,datum-shift-y=0,datum-shift-z=0,prime-meridian=0,parallel=34.33333333333334,parallel=34.33333333333334,false-easting=500000,false-northing=500000,central-meridian=-78.25,unit=us-ft,authority=3147"]

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.NCSchoolsK12
Object type point
Object count 3439

ArcGIS Feature Class Properties

Feature class name GdbGisuPubC.ATLAS.NCSchoolsK12
Feature type Simple
Geometry type Point
Has topology FALSE
Feature count 3439
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 2019-08-28 00:00:00

Creation date 2019-01-01 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 2019-08-28 00:00:00

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

Data quality report - Quantitative attribute accuracy

Data quality measure reference

Measure description

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

There are overlapping geometries present in the dataset due to multiple schools using the same facility.

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 2019-08-28 00:00:00

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

Lineage

Lineage statement

Data was obtained from the State Office of Public Instruction in tabular format.

(<http://apps.schools.nc.gov/ords/f?p=125:1:::NO0>) It was then geocoded into point files and aggregated into a single file. The resulting dataset contains 3439 records.

Process step

Description

Data was obtained from the State Office of Public Instruction in tabular format.

(<http://apps.schools.nc.gov/ords/f?p=125:1:::NO0>). It was then geocoded into point files and aggregated into a single file.

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 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.

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 to be due to multiple schools 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

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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 4101 Capital Boulevard
City Raleigh
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Distribution format

Version 10.5
Name SDE Feature Class

Fields

Details for object GdbGisuPubC.ATLAS.NCSchoolsK12

Type Feature Class

Row count 3439

Definition

Point Locations for K-12 Schools in the state of North Carolina.

Definition source

NCDOT

Field OBJECTID

Alias FID

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.

Beginning date of values 2019-01-01

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.

Beginning date of values 2019-01-01

Field CoordX

Alias CoordX

Data type Double

Width 8

Precision 38

Scale 8

Field description

Longitude (X) coordinate of point for each facility.

Description source

NCDOT

Field CoordY

Alias CoordY

Data type Double

Width 8

Precision 38

Scale 8

Field description

Latitude (Y) coordinate of point for each facility.

Description source

NCDOT

Field Street

Alias Street

Data type String

Width 60

Precision 0

Scale 0

Field description

Street address of facility.

Description source

NCDPI

Field City

Alias City

Data type String

Width 40

Precision 0

Scale 0

Field description

City where the facility is located.

Description source

NCDPI

Field State

Alias State

Data type String

Width 20

Precision 0

Scale 0

Field description

2 digit state code for state where the facility is located.

Description source

NCDPI

List of values

Value NC

Description North Carolina

Enumerated domain value definition source NCDOT

Field Zip

Alias Zip

Data type String

Width 12

Precision 0

Scale 0

Field description

5 digit Zipcode of facility location.

Description source

NCDOT

List of values

Value 5 digit Zipcode

Description 5 digit Zipcode in the format 99999

Enumerated domain value definition source NCDOT

Field Type

Alias Type

Data type String

Width 50

Precision 0

Scale 0

Field description

Type of facility (Public / Private / Charter / Lab)

Description source

NCDOT

List of values

Value PUBLIC

Description Public School

Enumerated domain value definition source NCDOT

Value PRIVATE

Description Private School

Enumerated domain value definition source NCDOT

Value CHARTER

Description Charter School

Enumerated domain value definition source NCDOT
Value LAB
Description Laboratory School
Enumerated domain value definition source NCDOT

Field SchoolName

Alias SchoolName
Data type String
Width 254
Precision 0
Scale 0
Field description
Name of facility
Description source
NCDPI
Beginning date of values 2019-01-01

Field County

Alias County
Data type String
Width 254
Precision 0
Scale 0
Field description
County where the facility is located.
Description source
NCDPI
Beginning date of values 2019-01-01

Metadata Details

Metadata language English (UNITED STATES)

Scope of the data described by the metadata dataset
Scope name dataset

Last update 2026-10-13

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 2026-10-13 12:00:04
Last modified in ArcGIS for the item 2026-10-13 11:58:03

Automatic updates

Have been performed Yes

Last update 2026-10-13 11:57:49

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

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Metadata Maintenance

Maintenance

Update frequency as needed

Other maintenance requirements

Annual 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

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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