

North Carolina Rail Facility - 4th Quarter 2025 - NC Department of Transportation

Geodatabase Feature Class



Tags Rail, Railroad, Transportation, Track, Rail Track, Rail Lines, NCDOT, NC, Official NCDOT, North Carolina, Railway, Facilities, Transload, Intermodal, Rail Yard, Train Station, Station, Port

Summary

Provide a representation of auxiliary rail features to aid in mapping, mapping modeling and analysis.

Description

This dataset contains point features for use in geographic information systems that represent the supporting infrastructure that is used by the rail industry to conduct ongoing rail operations. These include designated areas for aggregating rail stock, shipping facilities, regulatory signage and signals, and other facilities necessary for the safe and efficient operation of the rail industry.

Credits

North Carolina Department of Transportation Rail Division, Moffatt & Nichol Engineers, WGI

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.

Extent

West	-82.599339
East	-76.636662
North	36.462892
South	34.128082

Scale Range

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

Topics and Keywords

Themes or categories of the resource Transportation

Content type Downloadable Data

Export to FGDC CSDGM XML format as Resource Description No

Theme keywords Railways, Transportation, Intermodal, Railroad Stations

Citation

Title North Carolina Rail Facility - 4th Quarter 2025 - NC Department of Transportation

Creation date 2014-04-11 00:00:00

Publication date 2026-02-23 00:00:00

Revision date 2026-02-06 00:00:00

Presentation formats digital map

Citation Contacts

Responsible party - custodian

Individual's name Todd Meyer

Organization's name NCDOT Rail Division

Contact's position Inventory & Data Analysis Manager

Contact information

Phone

Voice 9197074121

Address

Type postal

Delivery point 1556 Mail Service Center

City Raleigh

Administrative area NC

Postal code 27699

Country US

e-mail address tmeyer@ncdot.gov

Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

Processing environment Microsoft Windows 10 Version 10.0 (Build 19045) ; Esri ArcGIS 13.4.0.55405

Credits

North Carolina Department of Transportation Rail Division, Moffatt & Nichol Engineers, WGI

ArcGIS item properties

Name NCDOT_RailFacilities_1Q2025

Size 0.004

Location file://\DOT\DFSROOT01\GROUPS-GISCC\GIS-SpatialDataMgmt\Maintenance\QuarterlyDataRefresh\Rail\2025Q4\2025Q4Final\NC_RailLayers.gdb

Access protocol Local Area Network

Extents

Extent

Description

The extents of this project are within the political boundaries of the state of North Carolina. The data is a representation of current conditions, and does not represent a historical record.

Geographic extent

Bounding rectangle

Extent type

Extent used for searching

West longitude -82.599339

East longitude -76.636662

South latitude 34.128082

North latitude 36.462892

Extent contains the resource Yes

Temporal extent

Date and time 2025-09-30 00:00:00

Extent in the item's coordinate system

westBL 856631.666422

eastBL 2712554.905684

southBL 156278.290000

northBL 987418.628700

exTypeCode Yes

Resource Points of Contact

Point of contact - custodian

Individual's name Todd Meyer

Organization's name NCDOT Rail Division

Contact's position Inventory & Data Analysis Manager

Contact information

Phone

Voice 9197074121

Address

Type postal

Delivery point 1556 Mail Service Center

City Raleigh

Administrative area NC

Postal code 27699

Country US

e-mail address tmeyer@ncdot.gov

Resource Maintenance

Resource maintenance

Date of next update 2026-05-01 00:00:00

Update frequency quarterly

Resource Constraints

Constraints

Limitations of use

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Legal constraints

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 3048.0060960121928

ZOrigin -100000

ZScale 10000

MOrigin -100000

MScale 10000

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["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Lambert_Conformal_Conic"],PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.33333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2264]]
```

Reference system identifier

Value SR-ORG:12

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 NCDOT_RailFacilities_1Q2025

Object type point

Object count 150

ArcGIS Feature Class Properties

Feature class name NCDOT_RailFacilities_1Q2025

Feature type Simple

Geometry type Point

Has topology FALSE

Feature count 150

Spatial index TRUE

Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Completeness commission

Data quality measure reference

Measure description

There are no measurement, precision, or spatial standards assigned to this data set.

Conformance test results

Test passed Yes

Result explanation

Feature class is in conformance with quality standards.

Data quality report - Conceptual consistency

Data quality measure reference

Measure description

There are no measurement, precision, or spatial standards assigned to this data set.

Conformance test results

Test passed Yes

Result explanation

Feature class is in conformance with quality standards.

Data quality report - Absolute external positional accuracy

Data quality measure reference

Measure description

various sources with varying degree of accuracy have been used over time to create/update this dataset. NCDOT used best available information at the time of editing.

Conformance test results

Test passed Yes

Result explanation

Feature class is in conformance with quality standards.

Lineage

Lineage statement

Feature layer originally created and delivered by Moffatt & Nichol engineers in September of 2013.

Transload definition for this dataset:

Primary Locations: Locations verified by rail companies (or qualified subsidiaries) for the purpose of transferring product between rail cars and another source (truck, port, etc.). Locations should be publicly accessible to all vendors that qualify for service.

Secondary Locations: Locations listed by companies that are not directly related to rail companies for the purpose of transferring product between rail cars and another source (truck, port, etc.). Locations should be publicly accessible to all vendors that qualify for service.

How current information was verified:

Transload data concerning Class I railroad companies will be verified through the websites of the two major rail carriers and their subsidiaries; specifically, those that detail distribution networks. Transload data concerning Class III railroad companies is verified by the NCDOT Rail Division Short Line Railroads Transload survey. Items from secondary sources are verified by either company website or county parcel information.

Intermodal, Yard, and Station locations were provided by NCDOT Rail Division

Location source referenced in feature record

Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Transportation Geographic Information Systems
Unit

Contact's position GIS Help Desk

Contact information

Phone

Voice 919.707.2152

Fax 919.707.2214

Address

Type both

Delivery point 4101 Capital Boulevard

City Raleigh

Administrative area North Carolina

Postal code 27610

Country US

e-mail address gishelp@ncdot.gov

Hours of service

8am to 5pm, M-F

Contact instructions

phone or email

Distribution format

Version ArcGIS 10.3

Specification ESRI Geodatabase

Name File Geodatabase Feature Class

File decompression technique ZIP

Format information content point features and attributes

Transfer options

Online source

Online location (URL) <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

Fields

Details for object NCDOT_RailFacilities_1Q2025

Type Feature Class

Row count 150

Definition

infrastructure that is used by the rail industry to conduct ongoing rail operations in North Carolina

Definition source

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 Railroad

Alias Railroad

Data type String

Width 50

Precision 0

Scale 0

Field description

Name of the railroad company that operates the facility.

Description source

NCDOT

List of values

Value ARC

Description Alexander Railroad

Enumerated domain value definition source NCDOT

Value CLNA

Description Carolina Coastal Railway

Enumerated domain value definition source NCDOT

Value CSX

Description CSX Transportation

Enumerated domain value definition source NCDOT

Value CWCY

Description Caldwell County Railroad

Enumerated domain value definition source NCDOT

Value LRS

Description Laurinburg & Southern Company, Inc.

Enumerated domain value definition source NCDOT

Value NS

Description Norfolk Southern Corporation

Enumerated domain value definition source NCDOT

Value YVRR

Description Yadkin Valley Railroad

Enumerated domain value definition source NCDOT

Value ACWR

Description Aberdeen Carolina & Western Railroad Company

Enumerated domain value definition source NCDOT

Value AR

Description Aberdeen & Rockfish Railroad

Enumerated domain value definition source NCDOT

Value ATK

Description Amtrak

Enumerated domain value definition source NCDOT

Value ATW

Description Atlantic and Western Railway

Enumerated domain value definition source NCDOT

Field Date

Alias Date

Data type Date

Width 8

Precision 0

Scale 0

Field description

Date of publication of source used to verify facility's existence.

Description source

Moffatt & Nichol Engineers, NCDOT, WGI

Description of values

MM/DD/YYYY where MM=2 digit month, DD=2 digit dat, and YYYY=4 digit year

Beginning date of values 2012-03-06

Ending date of values 2024-08-01

Field Type

Alias Type

Data type String

Width 10

Precision 0

Scale 0

Field description

Denotes the source of facility information. See lineage.

Description source

Moffatt & Nichol Engineers

List of values

Value Primary

Description from shortline survey or company website

Enumerated domain value definition source Moffatt & Nichol Engineers

Value Secondary

Description any source besides shortline survey or company website

Enumerated domain value definition source Moffatt & Nichol Engineers

Field Source

Alias Source

Data type String

Width 200

Precision 0

Scale 0

Field description

Lists the source of facility information.

Description source

Moffatt & Nichol Engineers

Description of values

see facility lineage

Field LocationNa

Alias Location Name

Data type String

Width 100

Precision 0

Scale 0

Field description

Official name of facility

Description source

NCDOT

Description of values

general description of location

Field FacType

Alias FacType

Data type String

Width 25

Precision 0

Scale 0

Field description

Type of facility

Description source

NCDOT

Description of values

Type of facility

Field Railroad_L

Alias Railroad Long

Data type String

Width 50

Precision 0

Scale 0

Field description

Name of operating Railroad

Description source

NCDOT

Description of values

Long name of operating railroad

Field County

Alias County

Data type Text

Width 100

Precision 0

Scale 0

Field description

Values represent the county where the facility is located.

Description source

NCDOT

Description of values

County Name

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 2026-02-06

ArcGIS metadata properties

Metadata format ArcGIS 1.0
Metadata style FGDC CSDGM Metadata
Standard or profile used to edit metadata ISO19139

Created in ArcGIS for the item 2026-02-06 11:38:36
Last modified in ArcGIS for the item 2026-02-06 11:06:04

Automatic updates

Have been performed Yes
Last update 2025-05-21 15:37:06

Metadata Contacts

Metadata contact - custodian

Individual's name Todd Meyer
Organization's name NCDOT Rail Division
Contact's position Inventory & Data Analysis Manager

Contact information

Phone

Voice 9197074121

Address

Type postal
Delivery point 1556 Mail Service Center
City Raleigh
Administrative area NC
Postal code 27699
Country US
e-mail address tmeyer@ncdot.gov

Metadata Maintenance

Maintenance

Date of next update 2026-05-01 00:00:00
Update frequency quarterly

Maintenance contact - custodian

Individual's name Todd Meyer
Organization's name NCDOT Rail Division
Contact's position Inventory & Data Analysis Manager

Contact information

Phone

Voice 9197074121

Address

Type postal
Delivery point 1556 Mail Service Center
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Administrative area NC

Postal code 27699

Country US

e-mail address tmeyer@ncdot.gov

Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file