

North Carolina Rail Facility - 2nd Quarter 2025 - NC Department of Transportation

File 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

ArcGIS Metadata ►

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

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE North Carolina Rail Facility - 2nd Quarter 2025 - NC Department of Transportation

CREATION DATE 2014-04-11 00:00:00

PUBLICATION DATE 2025-08-11 00:00:00

REVISION DATE 2025-08-01 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Todd Meyer

ORGANIZATION'S NAME NCDOT Rail Division

CONTACT'S POSITION Inventory & Data Analysis Manager

CONTACT'S ROLE custodian

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

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

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 Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

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

[Hide Resource Details ▲](#)

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 2025-05-21 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 856631.666422
* EAST LONGITUDE 2712554.905684
* SOUTH LATITUDE 156278.290000
* NORTH LATITUDE 987418.628700
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Todd Meyer
ORGANIZATION'S NAME NCDOT Rail Division
CONTACT'S POSITION Inventory & Data Analysis Manager
CONTACT'S ROLE custodian

CONTACT INFORMATION ►

PHONE
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ADDRESS

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DELIVERY POINT 1556 Mail Service Center
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COUNTRY US
E-MAIL ADDRESS tmeyer@ncdot.gov

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2025-11-01 00:00:00
UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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LEGAL CONSTRAINTS

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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 0.0032808333333333331
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_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)

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME RailroadFacility

* OBJECT TYPE point

* OBJECT COUNT 150

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME RailroadFacility

* FEATURE TYPE Simple

* GEOMETRY TYPE Point

* HAS TOPOLOGY FALSE

* FEATURE COUNT 150

* SPATIAL INDEX TRUE

* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - COMPLETENESS COMMISSION ►

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.

[Hide Data quality report - Completeness commission ▲](#)

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

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.

[Hide Data quality report - Conceptual consistency ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

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.

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

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

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME North Carolina Department of Transportation Geographic Information Systems Unit

CONTACT'S POSITION GIS Help Desk

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE 919.707.2152

FAX 919.707.2214

ADDRESS

TYPE both

DELIVERY POINT Century Center Building B, 1020 Birch Ridge Drive

CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

phone or email

Hide Contact information ▲

Hide Distributor ▲

DISTRIBUTION FORMAT

VERSION ArcGIS 10.3

SPECIFICATION ESRI Geodatabase

FILE DECOMPRESSION TECHNIQUE ZIP

FORMAT INFORMATION CONTENT point features and attributes

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION <https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx>

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT [RailroadFacility](#) ►

* 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

FGDC-STD-014.7b-2008

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 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 Coumpany, 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

Hide Field Railroad ▲

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

Hide Field Date ▲

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

Hide Field Type ▲

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

Hide Field Source ▲

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

Hide Field LocationNa ▲

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

Hide Field FacType ▲

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

Hide Field Railroad_L ▲

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

Hide Field County ▲

[Hide Details for object RailroadFacility ▲](#)

[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 2025-08-01

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 2025-08-01 10:07:22
LAST MODIFIED IN ARCGIS FOR THE ITEM 2025-08-01 13:26:57

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2025-08-01 13:26:57

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT
INDIVIDUAL'S NAME Todd Meyer
ORGANIZATION'S NAME NCDOT Rail Division
CONTACT'S POSITION Inventory & Data Analysis Manager
CONTACT'S ROLE custodian

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

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE

DATE OF NEXT UPDATE 2025-11-01 00:00:00

UPDATE FREQUENCY quarterly

MAINTENANCE CONTACT

INDIVIDUAL'S NAME Todd Meyer

ORGANIZATION'S NAME NCDOT Rail Division

CONTACT'S POSITION Inventory & Data Analysis Manager

CONTACT'S ROLE custodian

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