

# North Carolina Rail Facility - 1st Quarter 2022 - NC Department of Transportation

SDE 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, Simpson Engineers and Associates

## 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 - 1st Quarter 2022 - NC Department of Transportation  
CREATION DATE 2014-04-11 00:00:00  
PUBLICATION DATE 2022-02-14 00:00:00  
REVISION DATE 2021-09-27 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 originator

### 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 10.5.1.7333

### CREDITS

North Carolina Department of Transportation Rail Division, Moffatt & Nichol Engineers, Simpson Engineers and Associates

### ARCGIS ITEM PROPERTIES

\* NAME RailroadFacility  
\* SIZE 0.004

[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

\* NORTH LATITUDE 36.462892

\* SOUTH LATITUDE 34.128082

EXTENT CONTAINS THE RESOURCE Yes

#### TEMPORAL EXTENT

DATE AND TIME 2021-09-27 00:00:00

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 940963.211341

\* EAST LONGITUDE 2695193.660551

\* 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 point of contact

#### 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](mailto:tmeyer@ncdot.gov)

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

#### RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2022-04-01 00:00:00

UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

## 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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[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 0

Z SCALE 1

M ORIGIN 0

M SCALE 1

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 132

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME RailroadFacility

\* FEATURE TYPE Simple

\* GEOMETRY TYPE Point

\* HAS TOPOLOGY FALSE

\* FEATURE COUNT 132

\* 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

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2022-02-14 00:00:00

DESCRIPTION

Review Metadata and prep for web

PROCESS CONTACT

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 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE both

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

phone or email

*Hide Contact information ▲*

*Hide Process step ▲*

*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 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE both

DELIVERY POINT 4101 Capital Boulevard

CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS [gishelp@ncdot.gov](mailto:gishelp@ncdot.gov)

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

phone or email

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

\* NAME Feature Class  
VERSION ArcGIS 10.5.1

DISTRIBUTION FORMAT

NAME Shape File  
VERSION 10.5.1

TRANSFER OPTIONS

ONLINE SOURCE

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

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [GdbGisuPub.GISU.RailroadFacility ►](#)

\* TYPE Feature Class

ROW COUNT 132

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 10

\* 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 4

\* 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 Coupany, 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

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 2016-10-13

[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 LocationNa
- \* DATA TYPE String
- \* WIDTH 50
- \* 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\_L
- \* 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 ▲](#)

[Hide Details for object RailroadFacility ▲](#)

[Hide Fields ▲](#)

**Metadata Details** ►

- \* METADATA LANGUAGE English (UNITED STATES)
- METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 5F38D1CE-ECE9-4327-AE3E-C240C0F75D68

SCOPE OF THE DATA DESCRIBED BY THE METADATA \* dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2022-01-18

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification

STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2022-01-18 10:56:12

LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-01-18 13:43:31

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2022-01-18 09:55:02

[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 point of contact

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 2022-04-01 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 point of contact

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COUNTRY US

E-MAIL ADDRESS tmeyer@ncdot.gov

[Hide Contact information ▲](#)

[Hide Metadata Maintenance ▲](#)

**Metadata Constraints** ►

CONSTRAINTS

LIMITATIONS OF USE

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#### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

#### LIMITATIONS OF USE

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[Hide Metadata Constraints ▲](#)

### **Thumbnail and Enclosures ►**

#### THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)