

North Carolina Rail Track – 2nd Quarter 2025 - North Carolina Department of Transportation

File Geodatabase Feature Class



Tags

Rail, Railroad, Transportation, Track, Rail Track, Rail Lines, NCDOT, NC, Official NCDOT, North Carolina, Railway, STRACNET

Summary

This dataset is made available to provide a representation of state maintained railroad track for mapping and planning purposes.

Description

The dataset provided includes line data for use in geographic information systems that represents all the standard gauge freight and passenger railroad track in North Carolina, and contains the following information: owner, operator, track type, branch, beginning milepost, ending milepost, and in service status. The linework was digitized based on the most recent statewide aerial photography provided by the State of North Carolina. Select segments representing out of service track have been added to the dataset to aid in preserved and future corridor analysis.

Note: The representation of rail lines in Western North Carolina may not reflect the actual alignment or conditions after Hurricane Helene.

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 -84.127195 **East** -76.089531
North 36.607291 **South** 33.839590

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

[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 Rail, Railroad, Transportation, Track, Rail Track, Rail Lines

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE North Carolina Rail Track – 2nd Quarter 2025 - North Carolina Department of Transportation
PUBLICATION DATE 2025-08-11 00:00:00
CREATION DATE 2013-08-01 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.

TEMPORAL EXTENT

DATE AND TIME 2025-05-21 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -84.127195

* EAST LONGITUDE -76.089531

* NORTH LATITUDE 36.607291

* SOUTH LATITUDE 33.839590

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 493457.651630

* EAST LONGITUDE 2854678.049915

* SOUTH LATITUDE 70271.396725

* NORTH LATITUDE 1039996.546838

* 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

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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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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

ADDITIONAL RESTRICTIONS

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 -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"],P

PARAMETER["False_Easting",2000000.002616666],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-79.0],PARAMETER["Standard_Parallel_1",34.3333333333334],PARAMETER["Standard_Parallel_2",36.16666666666666],PARAMETER["Latitude_Of_Origin",33.75],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2264]]

REFERENCE SYSTEM IDENTIFIER

DIMENSION horizontal
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 RailroadTrack
* OBJECT TYPE composite
* OBJECT COUNT 10825

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME RailroadTrack
* FEATURE TYPE Simple
* GEOMETRY TYPE Polyline
* HAS TOPOLOGY FALSE
* FEATURE COUNT 10825
* 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 - CONCEPTUAL CONSISTENCY ►

DIMENSION horizontal

MEASURE DESCRIPTION

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

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Data conforms with NCDOT GIS Unit standards.

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

[Hide Data Quality ▲](#)

Lineage ►

LINEAGE STATEMENT

Linework digitized by Moffatt & Nichol Engineers based on latest available NC statewide aerial photography.

Attribution accomplished by assessing several sources to determine the most recent and accurate records: North Carolina Statewide Authoritative Rail and Highway (SARAH) Crossing Database, Federal Railroad Administration Crossing Database, railroad company track charts, railroad company representatives, local municipal representatives, and internal Moffatt & Nichol databases.

Data set updated by the NCDOT Rail Division and WGI.

Line work is reviewed and updated to conform with the annual release of the North Carolina Orthoimagery Project.

Resource made available on the web by NCDIT-Transportation GIS Unit.

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2016-08-08 00:00:00

DESCRIPTION

Metadata is updated for publication and placed on website.

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 ►

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POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

8am to 5pm, M-F

CONTACT INSTRUCTIONS

Phone or e-mail.

[Hide Contact information ▲](#)

[Hide Process step ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

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[Hide Contact information ▲](#)

ORDERING PROCESS

TERMS AND FEES None
DATE OF AVAILABILITY 2018-02-28 00:00:00

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

VERSION 10.3
* 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 [RailroadTrack](#) ▶

* TYPE Feature Class

* ROW COUNT 10825

DEFINITION

Linework representing all of the freight and passenger rail in North Carolina

DEFINITION SOURCE

NCDOT

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 [OPERATOR](#) ▶

* ALIAS Operator Code

* DATA TYPE String

* WIDTH 20

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

FRA code for person or organization that operates the rail road track

DESCRIPTION SOURCE

FRA

LIST OF VALUES

VALUE AR

DESCRIPTION Aberdeen & Rockfish RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ACWR

DESCRIPTION Aberdeen Carolina & Western Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ARC

DESCRIPTION Alexander RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ATW

DESCRIPTION Atlantic & Western Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ATLR
DESCRIPTION Atlantic Railways Co. LLC
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE BLU
DESCRIPTION Blue Ridge Southern Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CWCY
DESCRIPTION Caldwell County RR
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CPLJ
DESCRIPTION Camp Lejeune Railroad Company
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CF
DESCRIPTION Cape Fear Railways
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CLNA
DESCRIPTION Carolina Coastal Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CMIZ
DESCRIPTION Champion Mill
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CA
DESCRIPTION Chesapeake & Albemarle RR
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CTR
DESCRIPTION Clinton Terminal RR
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CMLX
DESCRIPTION Craggy Mountain Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CSX
DESCRIPTION CSX Transportation
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE DER
DESCRIPTION Dunn Erwin Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE GSM
DESCRIPTION Great Smoky Mountains RR
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE KNR
DESCRIPTION Kinston Railroad, LLC
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE LRS
DESCRIPTION Laurinburg & Southern Railroad Company
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE MRSX
DESCRIPTION Military Ocean Terminal Sunny Point

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NHVX

DESCRIPTION New Hope Valley Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NS

DESCRIPTION Norfolk Southern

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NCVA

DESCRIPTION North Carolina & Virginia RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CER

DESCRIPTION Charlotte Western Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE RJCS

DESCRIPTION R J Corman Railroad Co / Carolina Lines, LLC

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE RSNR

DESCRIPTION Red Springs & Northern RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE TBRY

DESCRIPTION Thermal Belt Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE UNK

DESCRIPTION No Operator

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE WTRY

DESCRIPTION Wilmington Terminal RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE WSS

DESCRIPTION Winston-Salem Southbound Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE YVRR

DESCRIPTION Yadkin Valley RR

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field OPERATOR ▲

FIELD Branch ►

* ALIAS Branch

* DATA TYPE String

* WIDTH 25

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The Branch, Milepost Prefix, or Milepost Suffix assigned to the segment of rail line by the operator

DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES

The Branch, Milepost Prefix, or Milepost Suffix assigned to the segment of rail line by the operator

Hide Field Branch ▲

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 TRACK_STAT ►

- * ALIAS Track Status
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Specifies the status of the track

DESCRIPTION SOURCE

NCDOT Rail Division

LIST OF VALUES

VALUE Active

DESCRIPTION Rail track currently operated by rail cars

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

VALUE Inactive

DESCRIPTION Rail track has no rail traffic at time of publication, but operation could resume at any time

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

VALUE Preserved Corridor

DESCRIPTION Rail track is not able to run trains at this time

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

Hide Field TRACK_STAT ▲

FIELD PASSSERVIC ►

- * ALIAS Passenger Service
- * DATA TYPE String

- * WIDTH 5
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Indicates whether the rail track is operated by Amtrak

DESCRIPTION SOURCE

NCDOT Rail Division

LIST OF VALUES

VALUE Yes

DESCRIPTION Rail track is operated by Amtrak

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

VALUE No

DESCRIPTION Rail track is not operated by Amtrak

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

Hide Field PASSSERVIC ▲

FIELD BEGMP ►

* ALIAS Beginning MP

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The lowest beginning milepost on the main line track. Mileposts derived from crossing data reported to the Federal Railroad Administration.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 418.73

Hide Field BEGMP ▲

FIELD ENDMP ►

* ALIAS Ending MP

* DATA TYPE Double

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The highest ending milepost on the main line track. Mileposts derived from crossing data reported to the Federal Railroad Administration.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

MINIMUM VALUE 0

MAXIMUM VALUE 418.99

Hide Field ENDMP ▲

FIELD OWNERLONG ►

- * ALIAS Owner
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Full name of person or organization that owns the railroad track

DESCRIPTION SOURCE

NCDOT

LIST OF VALUES

VALUE Laurinburg & Southern Company, Inc.
DESCRIPTION Laurinburg & Southern Company, Inc.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Thermal Belt Railway
DESCRIPTION Thermal Belt Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Department of Defense
DESCRIPTION Department of Defense
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Charlotte Area Transit System
DESCRIPTION Charlotte Area Transit System
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE North Carolina & Virginia Railroad
DESCRIPTION North Carolina & Virginia Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Clinton Terminal Railroad
DESCRIPTION Clinton Terminal Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Aberdeen Carolina & Western Railway
DESCRIPTION Aberdeen Carolina & Western Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Norfolk Southern Corporation
DESCRIPTION Norfolk Southern Corporation
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Carolina Coastal Railway
DESCRIPTION Carolina Coastal Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Camp Lejuene Railroad
DESCRIPTION Camp Lejuene Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Great Smoky Mountains Railroad
DESCRIPTION Great Smoky Mountains Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Caldwell County Railroad
DESCRIPTION Caldwell County Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Carolina Southern Railroad
DESCRIPTION Carolina Southern Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Alexander Railroad
DESCRIPTION Alexander Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Yadkin Valley Railroad
DESCRIPTION Yadkin Valley Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE High Point, Thomasville & Denton Railroad
DESCRIPTION High Point, Thomasville & Denton Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Atlantic & Western Railway, LP
DESCRIPTION Atlantic & Western Railway, LP
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Wilmington Terminal Railroad, Inc.
DESCRIPTION Wilmington Terminal Railroad, Inc.
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Winston-Salem Southbound Railway
DESCRIPTION Winston-Salem Southbound Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Aberdeen & Rockfish Railroad
DESCRIPTION Aberdeen & Rockfish Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Duke Energy
DESCRIPTION Duke Energy
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Piedmont & Northern Railway
DESCRIPTION Piedmont & Northern Railway
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE North Carolina Department of Transportation
DESCRIPTION North Carolina Department of Transportation
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Cape Fear Railways
DESCRIPTION Cape Fear Railways
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Red Springs & Northern Railroad
DESCRIPTION Red Springs & Northern Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Chesapeake & Albemarle Railroad
DESCRIPTION Chesapeake & Albemarle Railroad
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CSX Transportation
DESCRIPTION CSX Transportation
ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

[Hide Field OWNERLONG ▲](#)

FIELD OPERATORLO ►

- * ALIAS Operator
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Name of person or organization that operates the railroad track

DESCRIPTION SOURCE

NCDOT

DESCRIPTION OF VALUES

Name of person or organization that operates the railroad track

[Hide Field OPERATORLO ▲](#)

FIELD TRACKTYPE ►

- * ALIAS Track Type
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The type of track based off railroad crossing track counts reported to the Federal Railroad Administration.

DESCRIPTION SOURCE

FRA, NCDOT

LIST OF VALUES

VALUE Main

DESCRIPTION A track extending through yards or between stations upon which trains are operated by a timetable, train order, or both, or the use of which is governed by a rail signal system.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

VALUE Siding

DESCRIPTION An auxiliary track used for passing, switching, and/or storage, but not through movements.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

VALUE Industry

DESCRIPTION A switching track or series of tracks, used primarily for access to one or more businesses for loading and unloading rolling stock. An industry track serves the needs of the industry rather than the railroad and will typically be located on the property of the industry.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

VALUE Yard

DESCRIPTION A system of tracks within defined limits used for making up or breaking up of trains, for storage of cars, and for other purposes over which movements not authorized by timetable or by train order may be made, subject to prescribed signals, rules or other special instructions. Spur track and lead track are included in this definition. Sidings and Industry track are not included, nor is main track within yard limits.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE FRA

VALUE Crossover

DESCRIPTION A track that allows trains to switch between parallel tracks.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

Hide Field TRACKTYPE ▲

FIELD County ►

* ALIAS County

* DATA TYPE String

* WIDTH 100

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The county the segment is physically located in. For rail lines that follow a county boundary, the county where the majority of the segment lies is used to minimize excessive segmentation.

DESCRIPTION SOURCE

NCDOT

Hide Field County ▲

FIELD Division ►

* ALIAS NCDOT Division

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

The NCDOT Division the track is within.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

MINIMUM VALUE 1

MAXIMUM VALUE 14

Hide Field Division ▲

FIELD STRACNET ►

* ALIAS STRACNET

* DATA TYPE String

* WIDTH 50

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Field designates specific civil rail lines that form the Strategic Rail Corridor Network (STRACNET) and Defense Connector Lines as determined by the Department of Defense (DOD). The DOD reevaluates the STRACNET every 5 years to confirm that these lines meet minimum defense readiness conditions. The last reevaluation occurred in 2023. This field only applies to Main track types. More information about the STRACNET can be found at

<https://www.sddc.army.mil/sites/TEA/Functions/SpecialAssistant/Pages/RailroadsNationalDefense.aspx>

DESCRIPTION SOURCE

Department of Defense

LIST OF VALUES

VALUE STRACNET

DESCRIPTION Civil rail lines that have been designated as part of the Department of Defense's Strategic Rail Corridor Network

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Department of Defense

VALUE Connector

DESCRIPTION Defense connector lines that connects defense installations with the STRACNET

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Department of Defense

VALUE Not Included

DESCRIPTION Civil rail lines that are not a part of the STRACNET or a Defense Connector

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Department of Defense

Hide Field STRACNET ▲

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.

Hide Field Shape_Length ▲

Hide Details for object RailroadTrack ▲

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 2019-07-02 10:49:50

LAST MODIFIED IN ARCGIS FOR THE ITEM 2025-08-01 13:30:20

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2025-08-01 13:30:20

[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

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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

[Hide Metadata Maintenance ▲](#)

Metadata 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

ADDITIONAL RESTRICTIONS

None

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