

North Carolina Rail Track – 2nd Quarter 2019 - North Carolina Department of Transportation

SDE Feature Class



Tags

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

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 of 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, in service status, and out of service date (where applicable). The linework was digitized based on the most recent statewide aerial photography provided by the State of North Carolina. Select areas of inactive track have been added to the dataset to aid in preserved and future corridor analysis.

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 -84.127195 **East** -76.089531
North 36.607291 **South** 33.839600

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 2019 - North Carolina Department of Transportation
PUBLICATION DATE 2019-05-13 00:00:00
CREATION DATE 2013-08-01 00:00:00
REVISION DATE 2018-06-28 00:00:00

PRESENTATION FORMATS * digital map

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Arthur Petteway
ORGANIZATION'S NAME NCDOT Rail Division
CONTACT'S POSITION Inventory & Data Analysis Manager
CONTACT'S ROLE originator

CONTACT INFORMATION ►

PHONE
VOICE 919 707 4121

ADDRESS

TYPE physical
DELIVERY POINT 862 Capital Blvd
CITY Raleigh
ADMINISTRATIVE AREA NC
POSTAL CODE 27603

[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 RailroadTrack

[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 2019-01-08 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 33.839600
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 493457.640475
* EAST LONGITUDE 2854678.039088
* SOUTH LATITUDE 70274.936088
* NORTH LATITUDE 1039996.530434
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Arthur Petteway
ORGANIZATION'S NAME NCDOT Rail Division
CONTACT'S POSITION Inventory & Data Analysis Manager
CONTACT'S ROLE point of contact

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POSTAL CODE 27603

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2019-07-01 00:00:00
UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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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

- 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 0

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ▶

FEATURE CLASS NAME RailroadTrack

* FEATURE TYPE Simple

* GEOMETRY TYPE Polyline

* HAS TOPOLOGY FALSE

* FEATURE COUNT 0

* 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.

Line work is reviewed and updated to conform with the annual release of updated NC State Orthophotography program.

Attribution accomplished by assessing several sources to determine the most recent and accurate records: NC Statewide Authoritative Rail and Highway crossing database, Federal Railroad Administration crossing database, railroad company track charts, railroad company representatives, local municipal representatives, and internal Moffatt & Nichol databases.

Dataset updated by Simpson Engineers & Associates and the NCDOT Rail Division.

Resource made available on the web by NCDOT GIS unit.

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2019-05-13 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 processor

CONTACT INFORMATION ▶

PHONE

VOICE 919.707.2165

FAX 919.707.2210

ADDRESS

TYPE

DELIVERY POINT 4101 Capital Blvd.

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 e-mail.

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 Blvd.

CITY Raleigh

ADMINISTRATIVE AREA North Carolina

POSTAL CODE 27604

COUNTRY US

E-MAIL ADDRESS gishelp@ncdot.gov

HOURS OF SERVICE

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[Hide Contact information ▲](#)

TRANSFER OPTIONS

ONLINE SOURCE

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

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

VERSION 10.5.1

NAME File Geodatabase Feature Class

DISTRIBUTION FORMAT

NAME Shape File

VERSION 10.5.1

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [RailroadTrack ►](#)

* TYPE Feature Class

* ROW COUNT 0

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 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 OPERATOR ►

* ALIAS OPERATOR

* 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 WSS

DESCRIPTION Winston-Salem Southbound Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ARC

DESCRIPTION Alexander Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CPLJ

DESCRIPTION Camp Lejuene Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE RSNR

DESCRIPTION Red Springs & Northern Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CATS

DESCRIPTION Charlotte Area Transit System

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CALA

DESCRIPTION Carolina Southern Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE WTRY

DESCRIPTION Wilmington Terminal Railroad, Inc.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE GSMR

DESCRIPTION Great Smoky Mountains Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE PNRW

DESCRIPTION Piedmont & Northern Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE TBRY

DESCRIPTION Thermal Belt Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE DOD

DESCRIPTION Department of Defense

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CLNA

DESCRIPTION Carolina Coastal Railway

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CFR

DESCRIPTION Cape Fear Railways

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE LRS

DESCRIPTION Laurinberg & Southern Company, Inc.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NCVA

DESCRIPTION North Carolina & Virginia Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE YVRR

DESCRIPTION Yadkin Valley Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NCDOT

DESCRIPTION North Carolina Department of Transportation

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CA

DESCRIPTION Chesapeake & Albemarle Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE ATW

DESCRIPTION Atlantic & Western Railway, LP

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE NS

DESCRIPTION Norfolk Southern Corporation

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CWCY

DESCRIPTION Caldwell County Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE AR

DESCRIPTION Aberdeen & Rockfish Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE CSX

DESCRIPTION CSX Transportation

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE Duke Energy

DESCRIPTION Duke Energy

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

VALUE HPTD

DESCRIPTION High Point, Thomasville & Denton Railroad

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT

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

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

Hide Field OPERATOR ▲

FIELD Branch ►

- * ALIAS BRANCH
- * DATA TYPE String
- * WIDTH 25
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Name assigned to the segment of rail line by the operator

DESCRIPTION SOURCE
NCDOT

Hide Field Branch ▲

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 OWNERLONG ►

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

Hide Field OWNERLONG ▲

FIELD TRACK_STAT ►

- * ALIAS TRACK_STAT

* 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 currently has no rail traffic

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 PASSSERVIC

* 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 Y

DESCRIPTION Rail track is operated by Amtrak

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

VALUE N

DESCRIPTION Rail track is not operated by Amtrak

ENUMERATED DOMAIN VALUE DEFINITION SOURCE NCDOT Rail Division

Hide Field PASSSERVIC ▲

FIELD **OPERATORLO** ►

* ALIAS OPERATORLO

* DATA TYPE String

* WIDTH 50

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Name of person or organization that operates the railroad track

DESCRIPTION SOURCE

NCDOT

[Hide Field OPERATORLO ▲](#)

FIELD MIN_BEGMP ►

- * ALIAS BEGMP
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 38
- * SCALE 8

FIELD DESCRIPTION

The lowest beginning milepost for this segment of track.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

- MINIMUM VALUE 0
- MAXIMUM VALUE 403.83

[Hide Field MIN_BEGMP ▲](#)

FIELD MAX_ENDMP ►

- * ALIAS ENDMP
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 38
- * SCALE 8

FIELD DESCRIPTION

The highest ending milepost for this segment of track.

DESCRIPTION SOURCE

NCDOT

RANGE OF VALUES

- MINIMUM VALUE 0
- MAXIMUM VALUE 418.99

[Hide Field MAX_ENDMP ▲](#)

FIELD Shape.STLength() ►

- * ALIAS Shape.STLength()
- * DATA TYPE Double
- * WIDTH 0
- * PRECISION 0
- * SCALE 0

[Hide Field Shape.STLength\(\) ▲](#)

[Hide Details for object RailroadTrack ▲](#)

[Hide Fields ▲](#)

Metadata Details ▶

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

METADATA IDENTIFIER BA94B052-416F-4D1F-990E-9CF21DC8E11C

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME * dataset

* LAST UPDATE 2019-04-09

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 2019-04-08 08:46:35
LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-04-09 14:13:19

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2019-04-08 11:48:09

[Hide Metadata Details ▲](#)

Metadata Contacts ▶

METADATA CONTACT

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

CONTACT INFORMATION ▶

PHONE
VOICE 919 707 4121

ADDRESS

TYPE physical
DELIVERY POINT 862 Capital Blvd
CITY Raleigh
ADMINISTRATIVE AREA NC
POSTAL CODE 27603

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ▶

MAINTENANCE

DATE OF NEXT UPDATE 2019-07-01 00:00:00
UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ▶

CONSTRAINTS

LIMITATIONS OF USE

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SECURITY CONSTRAINTS

CLASSIFICATION unclassified

CLASSIFICATION SYSTEM None

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[Hide Metadata Constraints ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL

THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)