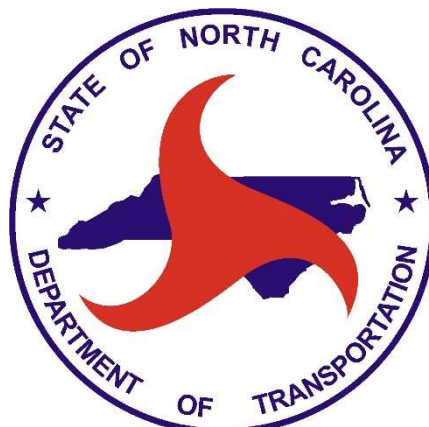# North Carolina Rail Facility - 4th Quarter 2020 - NC Department of Transportation

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

Citation ▶

TITLE North Carolina Rail Facility - 4th Quarter 2020 - NC Department of Transportation
CREATION DATE 2014-04-11 00:00:00
PUBLICATION DATE 2020-11-09 00:00:00
REVISION DATE 2020-10-01 00:00:00

PRESENTATION FORMATS ***** digital map

Citation Contacts ▶

RESPONSIBLE PARTY
  INDIVIDUAL'S NAME Jahmal Pullen
  ORGANIZATION'S NAME North Carolina Department of Transportation Rail Division
  CONTACT'S POSITION Engineering Coordination and Safety Manager
  CONTACT'S ROLE custodian

   CONTACT INFORMATION ▶
   PHONE
    VOICE 9197074102

   ADDRESS
    TYPE physical
    DELIVERY POINT 862 Capital Blvd
    CITY Raleigh
    ADMINISTRATIVE AREA NC
    POSTAL CODE 27699
    COUNTRY US
    E-MAIL ADDRESS jmpullen@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 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

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   2020-10-01   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   Jahmal Pullen
  ORGANIZATION'S NAME   North Carolina Department of Transportation Rail Division
  CONTACT'S POSITION   Engineering Coordination and Safety Manager
  CONTACT'S ROLE   custodian

    CONTACT INFORMATION   ▶
    PHONE
      VOICE   9197074102

    ADDRESS
      TYPE   physical
      DELIVERY POINT   862 Capital Blvd
      CITY   Raleigh
      ADMINISTRATIVE AREA   NC
      POSTAL CODE   27699
      E-MAIL ADDRESS   jmpullen@ncdot.gov

    Hide Contact information ▲

Hide Resource Points of Contact ▲

Resource Maintenance ▶

RESOURCE MAINTENANCE
  DATE OF NEXT UPDATE   2021-01-01   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

  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   131

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
  FEATURE CLASS NAME   RailroadFacility
    * FEATURE TYPE   Simple
    * GEOMETRY TYPE   Point
    * HAS TOPOLOGY   FALSE
    * FEATURE COUNT   131
    * 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   2020-11-09   00:00:00
  DESCRIPTION
      Review metadata and update to 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   both
     DELIVERY POINT   4101 Capital Boulevard
     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 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

    HOURS OF SERVICE
    8am to 5pm, M-F

    CONTACT INSTRUCTIONS
    phone or email

DISTRIBUTION FORMAT
 * NAME   SDE Feature Class
 VERSION   ArcGIS 10.5
 SPECIFICATION   ESRI Geodatabase
 FORMAT INFORMATION CONTENT   point features and attributes

DISTRIBUTION FORMAT
 NAME   Shape File
 VERSION   10.5

TRANSFER OPTIONS
 ONLINE SOURCE
  LOCATION   https://connect.ncdot.gov/resources/gis/Pages/GIS-Data-Layers.aspx

Fields ▶

DETAILS FOR OBJECT RailroadFacility ▶
 * TYPE   Feature Class
 ROW COUNT   131
 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.

 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 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 existance.

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   42FF6B50-351D-4257-A09A-D865326C7591

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

  * LAST UPDATE   2020-10-05

  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   2020-10-05   11:48:09
    LAST MODIFIED IN ARCGIS FOR THE ITEM   2020-10-05   14:10:38

    AUTOMATIC UPDATES
      HAVE BEEN PERFORMED   Yes
      LAST UPDATE   2020-10-05   10:11:39

Hide Metadata Details ▲

Metadata Contacts ►
  METADATA CONTACT
    INDIVIDUAL'S NAME   Jahmal Pullen
    ORGANIZATION'S NAME   North Carolina Department of Transportation Rail Division
    CONTACT'S POSITION   Engineering Coordination and Safety Manager

CONTACT'S ROLE   custodian

CONTACT INFORMATION   ▶
PHONE
VOICE   9197074102

ADDRESS
TYPE   physical
DELIVERY POINT   862 Capital Blvd
CITY   Raleigh
ADMINISTRATIVE AREA   NC
POSTAL CODE   27699
E-MAIL ADDRESS   jmpullen@ncdot.gov

Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ▶

MAINTENANCE
DATE OF NEXT UPDATE   2021-01-01   00:00:00
UPDATE FREQUENCY   quarterly

MAINTENANCE CONTACT
INDIVIDUAL'S NAME   Jahmal Pullen
ORGANIZATION'S NAME   North Carolina Department of Transportation Rail Division
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Hide Metadata Maintenance ▲

Metadata Constraints ▶

CONSTRAINTS
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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 ▲