LIRR Routes, New York NY, January 2017

ISO 19139 metadata content
- Resource Identification Information
- Spatial Representation Information
- Reference System Information
- Data Quality Information
- Distribution Information
- Metadata Information

Resource Identification Information

CITATION

TITLE LIRR Routes, New York NY, January 2017

PUBLIC DATE 2017-01-31

EDITION jan2017

PRESENTATION FORMAT mapDigital

SERIES

NAME NYC Mass Transit Spatial Layers

RESPONSIBLE PARTY - POINT OF CONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY

CONTACT'S POSITION Geospatial Data Librarian

CONTACT INFORMATION

ADDRESS

DELIVERY POINT Newman Library, Baruch CUNY

DELIVERY POINT 151 E 25th St Box H-0520

CITY New York

ADMINISTRATIVE AREA NY

POSTAL CODE 10010

COUNTRY UNITED STATES

THEMES OR CATEGORIES OF THE RESOURCE structure, transportation

PLACE KEYWORDS

KEYWORDS City of New York, 2395220, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Long Island, 977426

THESAURUS

TITLE Geographic Names Information Service (GNIS)

ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLIC DATE 2008-01-01

PLACE KEYWORDS

KEYWORDS Kings County, 36047, Nassau County, 36059 New York County, 36061, Queens County, 36081, Suffolk County, 36103
This line layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA) to represent the MTA Long Island Rail Road (LIRR) routes. A python script was written to take the data files as input, process them and save them as a spatial layer in the local state plane coordinate reference system. Lines in this layer represent individual train routes that follow physical track locations; they were generalized from the GTFS format where lines depicted individual train services. The unique ID is route_id, a field created by the MTA. This layer was created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually to account for changes in the transit system.

This dataset is intended for researchers, policy makers, students, and educators for basic geographic analysis and mapping purposes. It was created by the GIS Lab at the Newman Library at Baruch College CUNY as part of the NYC Mass Transit Spatial Layers series, so that members of the public could have access to well-documented and readilyusable GIS layers of NYC mass transit features.

Disclaimer: Every effort was made to insure that the data, which was compiled from public sources, was processed accurately. The creator, Baruch College, and CUNY disclaim any liability for errors, inaccuracies, or omissions that may be contained therein or for any damages that may arise from the foregoing. Users should independently verify the accuracy of the data for their purposes. The data is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International license CC BY-NC-ND http://creativecommons.org/licenses/by-nc-nd/4.0/ You are free to share the work as long as you cite the source, do not use it for commercial purposes, and do not distribute derivatives of the data. Although this data is being...
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RESOURCE CONSTRAINTS

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.1.4959

EXTENT

EXTENT DESCRIPTION
New York Metropolitan Area

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -73.993104
EAST LONGITUDE -71.952701
NORTH LATITUDE 41.111218
SOUTH LATITUDE 40.572712

TEMPORAL EXTENT
BEGINNING DATE 2017-01-09 00:00:00
ENDING DATE
INDETERMINATE TIME unknown

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -73.993104
EAST LONGITUDE -71.952701
NORTH LATITUDE 41.111218
SOUTH LATITUDE 40.572712

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POSTAL CODE 10010
COUNTRY UNITED STATES
Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly
GEOMETRIC OBJECTS
  OBJECT TYPE composite
  OBJECT COUNT 12

Reference System Information

REFERENCE SYSTEM IDENTIFIER
  VALUE 2263

CODESPACE EPSG
  VERSION 10.2

Data Quality Information

SCOPE OF QUALITY INFORMATION
  RESOURCE LEVEL dataset

LINEAGE
  LINEAGE STATEMENT
  This line layer was created using the data feeds from the Metropolitan Transportation Authority (MTA). The MTA provides text files that contain route information in a General Transit Feed Specification (GTFS) format, and are geographically referenced so they are able to be plotted. Python scripts were written to take the text files as input, process them and save them as a spatial layer. The text file used for line geometry creation is 'shapes.txt' and it provides geographically referenced data for the routes in the form of points. The script creates geometry object out of the individual points provided for the route, and then creates a line geometry object out of the points grouped by the common id of the segment that they belong to. Then it joins created geometry object with data from text files, 'trips.txt' and 'routes.txt', which contain additional relevant information provided by the MTA. Based on common attribute, individual rail services for different times and days of the week, are dissolved to create lines that represented an individual route. Attribute columns that were blank, redundant, or that represented information that was only relevant to specific services and not to individual routes were removed. The final layer was reprojected from NAD 83 to NY State Plane Long Island in feet and saved in a shapefile format. The unique ID is route_id, a field created by the MTA. In January 2017, MTA's GTFS feeds didn't contain the data for the Belmont line. This line was copied from the previous release version (May 2016) and pasted into the January, 2017 version shapefile. This layer was created as part of the NYC Mass Transit Spatial Layers series, and is updated biannually to account for changes in the transit system.

SOURCE DATA
  LEVEL OF THE SOURCE DATA Metropolitan Transportation Authority

SOURCE CITATION
  TITLE MTA NYC Transit Shapes, Trips and Routes Files
Distribution Information

DISTRIBUTOR

DISTRIBUTOR INFORMATION - POINTOFCONTACT

ORGANIZATION'S NAME  Newman Library, Baruch CUNY
CONTACT'S POSITION  Geospatial Data Librarian

CONTACT INFORMATION

ADDRESS

DELIVERY POINT  Newman Library, Baruch CUNY
DELIVERY POINT  151 E 25th St Box H-0520
CITY  New York
ADMINISTRATIVE AREA  NY
POSTAL CODE  10010
COUNTRY  UNITED STATES

FORMAT

NAME  Shapefile
VERSION  NIL REASON  missing

TRANSFER OPTIONS

TRANSFER SIZE  0.254

Back to Top

Metadata Information

LAST UPDATE  2017-02-10
MAINTENANCE

UPDATE FREQUENCY  biannually

MAINTENANCE NOTES  This metadata record was updated by Anastasia Clark in January 2017.

METADATA CONSTRAINTS

CONSTRAINTS

LIMITATIONS OF USE

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METADATA CONSTRAINTS

LEGAL CONSTRAINTS

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Back to Top

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  POSTAL CODE  10010
  COUNTRY  UNITED STATES

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

METADATA LANGUAGE  English
METADATA CHARACTER SET  utf8

NAME OF THE METADATA STANDARD USED  NAP - Metadata
VERSION OF THE METADATA STANDARD  1.2

METADATA IDENTIFIER  622FB901-33E2-4F98-BB5B-D5FBE14B4063
URI OF THE DATA DESCRIBED BY THE METADATA
https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers

Back to Top