

**Metadata format: ISO 19139****Subway Stops, 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 Subway Stops, New York NY, January 2017

PUBLICATION DATE 2017-01-31

EDITION jan2017

PRESENTATION FORMAT mapDigital

## SERIES

NAME NYC Mass Transit Spatial Layers

## RESPONSIBLE PARTY - POINTOFCONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY

CONTACT'S POSITION Geospatial Data Librarian

## CONTACT INFORMATION

## ADDRESS

DELIVERY POINT 151 E 25th St Box H-0520

DELIVERY POINT Newman Library, Baruch CUNY

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 Bronx, 978756, Borough of Brooklyn, 978759, Borough of Manhattan, 979190, Borough of Queens, 979404, Borough of Staten Island, 979522

## THESAURUS

TITLE Geographic Names Information Service (GNIS)

ALTERNATE TITLES ANSI INCITTS 446:2008

PUBLICATION DATE 2008-01-01

## PLACE KEYWORDS

KEYWORDS Bronx County, 36005, Kings County, 36047, New York County, 36061, Queens County, 36081, Richmond County, 36085

## THESAURUS

TITLE US Census ANSI/FIPS

ALTERNATE TITLES ANSI INCITTS 38:2009 (Formerly FIPS 5-2) &amp; ANSI INCITTS 31:2009 (Formerly FIPS 6-4)

PUBLICATION DATE 2009-01-01

## TEMPORAL KEYWORDS

KEYWORDS 2017

## THEME KEYWORDS

KEYWORDS Subways, Local transit, Commuting, New York City Transit Authority, Transportation

## THESAURUS

TITLE Library of Congress Subject Headings (LCSH)

PUBLICATION DATE 2015-02-17

## DESCRIPTIVE KEYWORDS

KEYWORDS Downloadable Data

THESAURUS ArcIMS Metadata Service Content Types

## ABSTRACT

This point layer was created using the GTFS data feeds from the Metropolitan Transportation Authority (MTA). It represents the stop locations for the MTA NYC Transit Subway, where a stop represents the center of platforms dedicated to serving specific trains in a subway station. 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. The unique ID is stop\_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.

## PURPOSE

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 readily-usable GIS layers of NYC mass transit features.

DATASET LANGUAGE English

DATASET CHARACTER SET utf8

STATUS completed

## MAINTENANCE

UPDATE FREQUENCY biannually

## RESOURCE CONSTRAINTS

## CONSTRAINTS

## LIMITATIONS OF USE

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

distributed by Baruch College CUNY, no warranty expressed or implied is made by the College or University as to the accuracy of the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the College or University in the use of this data, or related materials. This data was derived from Metropolitan Transportation Authority (MTA) sources; it is NOT directly created, maintained, or endorsed by the MTA. The MTA should not be approached with inquiries about this dataset as they are in no way responsible for it. Since this data is a derivative of MTA data sources, it is subject to the terms and conditions presented here: <http://web.mta.info/developers/developer-data-terms.html#data>.

## 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

City of New York

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -74.25344

EAST LONGITUDE -73.754305

NORTH LATITUDE 40.903222

SOUTH LATITUDE 40.512764

## TEMPORAL EXTENT

BEGINNING DATE 2017-01-24 00:00:00

ENDING DATE

INDETERMINATE TIME unknown

## EXTENT

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT CONTAINS THE RESOURCE true

WEST LONGITUDE -74.25344

EAST LONGITUDE -73.754305

NORTH LATITUDE 40.903222

SOUTH LATITUDE 40.512764

## SUPPLEMENTAL INFORMATION

The GEOID field contains the ANSI / FIPS state-county code that indicates the location of the feature. The trains field lists the trains that stop at that location during normal weekday rush hour service.

## POINT OF CONTACT - POINTOFCONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY

CONTACT'S POSITION Geospatial Data Librarian

## CONTACT INFORMATION

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POSTAL CODE 10010  
COUNTRY UNITED STATES

[Back to Top](#)

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## Spatial Representation - Vector

LEVEL OF TOPOLOGY FOR THIS DATASET geometryOnly  
GEOMETRIC OBJECTS  
OBJECT TYPE point  
OBJECT COUNT 493

[Back to Top](#)

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## Reference System Information

REFERENCE SYSTEM IDENTIFIER  
VALUE 2263  
  
CODESPACE EPSG  
VERSION 10.2

[Back to Top](#)

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## Data Quality Information

SCOPE OF QUALITY INFORMATION  
RESOURCE LEVEL dataset

### LINEAGE

#### LINEAGE STATEMENT

This point 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 that are geographically referenced so they are able to be plotted. A python script was written to take the text files as input, process them and save them as a spatial layer. The text file used for point geometry creation is 'stops.txt' and it provides geographically referenced data for the stops in the form of points. Stop locations were duplicated twice in the GTFS file for the purpose of building time tables for routes in both directions; the script stripped out the duplicates so that only one location remained that represents the stop centroid. In some instances two stops for different routes occupied the same location, at the same platform. These duplicated stops were removed, and their id was added to a route\_id2 column for the stop that they shared the location with. A field called trains was added to indicate which trains make that stop during weekday rush hour services. A note was added to the name of the Cortlandt St station on the 1 line to indicate that it is closed. The Aqueduct Racetrack station on the A line was in the wrong location and had incorrect coordinates in the original data file, so it was moved and the coordinates were corrected. Two stations in Staten Island, Atlantic and Nassau, were deleted as they are no longer in operation and are scheduled to be demolished. Counties from the Census TIGER files were spatially joined to the transit features, so that every transit feature was assigned the state-county ANSI FIPS code (GEOID) to indicate its location. 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 stop\_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.

## SOURCE DATA

LEVEL OF THE SOURCE DATA Metropolitan Transportation Authority

## SOURCE CITATION

TITLE MTA NYC Transit Stops File

PUBLICATION DATE 2017-01-24

## SOURCE DATA

LEVEL OF THE SOURCE DATA US Census 2014 TIGER Line Shapefiles

## SOURCE CITATION

TITLE US Census 2014 TIGER Line Shapefiles

PUBLICATION DATE 2014-08-19

[Back to Top](#)

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## Distribution Information

## DISTRIBUTOR

## DISTRIBUTOR INFORMATION - POINTOFCONTACT

ORGANIZATION'S NAME Newman Library, Baruch CUNY

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## FORMAT

NAME Shapefile

## VERSION

NIL REASON missing

## TRANSFER OPTIONS

TRANSFER SIZE 0.013

[Back to Top](#)

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## 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

Metadata for this layer is licensed under a Creative Commons Attribution-NonCommercial license CC BY-NC <http://creativecommons.org/licenses/by-nc/4.0/>. You are free to share and to adapt the metadata as long as you cite the source and do not use it for commercial purposes.

## METADATA CONSTRAINTS

## LEGAL CONSTRAINTS

ACCESS CONSTRAINTS licenseUnrestricted

USE CONSTRAINTS license

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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 A4AA069F-D7BF-45A1-A29F-8684F45E37EA

URI OF THE DATA DESCRIBED BY THE METADATA

<https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers>

[Back to Top](#)