Metro-North Bronx Shuttle Bus 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 Metro-North Bronx Shuttle Bus 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

THESAURUS
TITLE Geographic Names Information Service (GNIS)
ALTERNATE TITLES ANSI INCITTS 446:2008
PUBLICATION DATE 2008-01-01

PLACE KEYWORDS
KEYWORDS Bronx County, 36005

THESAURUS
This point layer was created from the GTFS data feeds from the Metropolitan Transportation Authority (MTA). It represents the bus stop locations for the Hudson Rail Link, which is a weekday shuttle bus service that connects residents of the NW Bronx to the Spuyten Duyvil and Riverdale Metro North train stations. A python script was written to take the data files as input, process them and create 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.

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.

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
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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
City of New York
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -73.921455
EAST LONGITUDE -73.896424
NORTH LATITUDE 40.912497
SOUTH LATITUDE 40.878225

TEMPORAL EXTENT
BEGINNING DATE 2017-01-10 00:00:00
ENDING DATE
INDETERMINATE TIME unknown

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT CONTAINS THE RESOURCE true
WEST LONGITUDE -73.921455
EAST LONGITUDE -73.896424
NORTH LATITUDE 40.912497
SOUTH LATITUDE 40.878225

SUPPLEMENTAL INFORMATION
The GEOID field contains the ANSI / FIPS state-county code that indicates the location of the feature.

POINT OF CONTACT - POINTOFCONTACT
ORGANIZATION'S NAME Newman Library, Baruch CUNY
CONTACT'S POSITION Geospatial Data Librarian

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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

2/10/2017
Spatial Representation - Vector

Level of Topology for this Dataset: geometryOnly
Geometric Objects:
- Object Type: point
- Object Count: 23

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 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 and 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 create a spatial layer. The text file used for point geometry creation is 'stops.txt'; it provides geographically referenced data for the stops in the form of points. The shuttle bus stops were extracted from the Metro North stops file. 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: 2017-01-10

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

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 0.001

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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Use Constraints licenseUnrestricted
METADATA CONTACT - POINT OF CONTACT
ORGANIZATION'S NAME Newman Library, Baruch CUNY
CONTACT'S POSITION Geospatial Data Librarian

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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 5EEFBC42-B50F-4240-9694-2C60419BB523
URI OF THE DATA DESCRIBED BY THE METADATA
https://www.baruch.cuny.edu/confluence/display/geoportal/NYC+Mass+Transit+Spatial+Layers

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