Metro-North Bronx Shuttle Bus Stops, New York NY, May 2019

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, May 2019
- PUBLICATION DATE 2019-05-31
- EDITION may2019
- 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 INCITS 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.

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RESOURCE CONSTRAINTS
LEGAL CONSTRAINTS
ACCESS CONSTRAINTS licenseUnrestricted
USE CONSTRAINTS license

SPATIAL REPRESENTATION TYPE vector

PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.4.1.5686

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 2019-05-21 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

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
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  2019-05-21

SOURCE DATA
   LEVEL OF THE SOURCE DATA  US Census 2014 TIGER Line Shapefiles
Distribution Information

DISTRIBUTOR

DISTRIBUTOR INFORMATION - POINTOFCONTACT

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

CONTACT INFORMATION

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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 2019-05-29
MAINTENANCE
UPDATE FREQUENCY biannually

MAINTENANCE NOTES This metadata record was updated by Frank Donnelly in May 2019.

METADATA CONSTRAINTS

CONSTRAINTS
LIMITATIONS OF USE
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ACCESS CONSTRAINTS licenseUnrestricted
METADATA CONTACT - POINT OF CONTACT

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

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 8AC95E39-C72C-4BB8-BB2E-3CA9B6F822E2
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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