

# New York City, Atomic Polygons

ESRI Shapefile

## Tags

LION, Atomic Polygon, School District, boundaries, Community District, Election District, FDNY Company, Census Block

## Summary

To generate Atomic Polygon-based district hierarchies.

## Description

Atomic polygons serve as a set of basic building blocks for generating the polygons of many of the district types represented in the CSCL database. Feature classes such as election district, school district, census block, FDNY administrative company, and community district can be dissolved by combining the appropriate fields in atomic polygons.

## Credits

Department of City Planning.

## Use limitations

This dataset is being provided by the Department of City Planning (DCP) on DCP's website for informational purposes only. DCP does not warranty the completeness, accuracy, content, or fitness for any particular purpose or use of the dataset, nor are any such warranties to be implied or inferred with respect to the dataset as furnished on the website. DCP and the City are not liable for any deficiencies in the completeness, accuracy, content, or fitness for any particular purpose or use the dataset, or applications utilizing the dataset, provided by any third party.

## Extent

<b>West</b>	-74.260380	<b>East</b>	-73.699206
<b>North</b>	40.917691	<b>South</b>	40.485808

## Scale Range

**Maximum (zoomed in)** 1:5,000

Minimum (zoomed out) 1:150,000,000

## ArcGIS Metadata ▶

### Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE boundaries

\* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Bronx, Richmond, New York, Queens, Staten Island, New York City, Brooklyn, Kings, Manhattan

THEME KEYWORDS boundaries, Atomic Polygons

[Hide Topics and Keywords ▲](#)

### Citation ▶

TITLE New York City, Atomic Polygons  
CREATION DATE 7/31/2019 10:00:51 AM  
PUBLICATION DATE 9/9/2019 10:00:56 AM

EDITION 19C

PRESENTATION FORMATS \* digital map

SERIES

NAME BYTES of the BIG APPLE  
ISSUE 19C

[Hide Citation ▲](#)

### Citation Contacts ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME New York City Department of City Planning  
CONTACT'S ROLE publisher

RESPONSIBLE PARTY

ORGANIZATION'S NAME New York City Department of City Planning  
CONTACT'S ROLE originator

[Hide Citation Contacts ▲](#)

### Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)

STATUS completed

SPATIAL REPRESENTATION TYPE \* vector

\* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.0.3348

CREDITS

Department of City Planning.

ARCGIS ITEM PROPERTIES

\* NAME nyap  
LOCATION withheld  
\* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

## Extents ►

EXTENT

DESCRIPTION  
ground condition

EXTENT

GEOGRAPHIC EXTENT  
BOUNDING RECTANGLE  
EXTENT TYPE Extent used for searching  
\* WEST LONGITUDE -74.260380  
\* EAST LONGITUDE -73.699206  
\* NORTH LATITUDE 40.917691  
\* SOUTH LATITUDE 40.485808  
\* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 912287.068787  
\* EAST LONGITUDE 1067382.508423  
\* SOUTH LATITUDE 116411.371399  
\* NORTH LATITUDE 273617.843201  
\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME New York City Department of City Planning  
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

ADDRESS  
TYPE both  
DELIVERY POINT 120 Broadway, 31st Floor  
CITY New York  
ADMINISTRATIVE AREA NY  
POSTAL CODE 10271  
COUNTRY US

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY quarterly

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

#### LEGAL CONSTRAINTS

##### OTHER CONSTRAINTS

The data is freely available to all New York City agencies and the public.

#### SECURITY CONSTRAINTS

CLASSIFICATION unclassified

#### CONSTRAINTS

##### LIMITATIONS OF USE

This dataset is being provided by the Department of City Planning (DCP) on DCP's website for informational purposes only. DCP does not warranty the completeness, accuracy, content, or fitness for any particular purpose or use of the dataset, nor are any such warranties to be implied or inferred with respect to the dataset as furnished on the website. DCP and the City are not liable for any deficiencies in the completeness, accuracy, content, or fitness for any particular purpose or use the dataset, or applications utilizing the dataset, provided by any third party.

[Hide Resource Constraints ▲](#)

## Spatial Reference ►

#### ARCGIS COORDINATE SYSTEM

- \* TYPE Projected
- \* GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983
- \* PROJECTION NAD\_1983\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104\_Feet
- \* COORDINATE REFERENCE DETAILS

##### PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102718  
X ORIGIN -450359962737.04999  
Y ORIGIN -450359962737.04999  
XY SCALE 10000  
Z ORIGIN -100000  
Z SCALE 10000  
M ORIGIN -100000  
M SCALE 10000  
XY TOLERANCE 0.00020000000000000001  
Z TOLERANCE 0.001  
M TOLERANCE 0.001  
HIGH PRECISION true  
LATEST WELL-KNOWN IDENTIFIER 2263  
WELL-KNOWN TEXT PROJCS  
["NAD\_1983\_StatePlane\_New\_York\_Long\_Island\_FIPS\_3104\_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",984250.0],PARAMETER  
["False\_Northing",0.0],PARAMETER["Central\_Meridian",-74.0],PARAMETER

["Standard\_Parallel\_1",40.66666666666666],PARAMETER  
["Standard\_Parallel\_2",41.03333333333333],PARAMETER  
["Latitude\_Of\_Origin",40.16666666666666],UNIT  
["Foot\_US",0.3048006096012192],AUTHORITY["EPSG",2263]]

REFERENCE SYSTEM IDENTIFIER

- \* VALUE 2263
- \* CODESPACE EPSG
- \* VERSION 8.1.1

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME nyap
- \* OBJECT TYPE composite
- \* OBJECT COUNT 67126

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME nyap
- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polygon
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 67126
- \* 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 OMISSION ►

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

- DIMENSION horizontal

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

## Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

ORGANIZATION'S NAME New York City Department of City Planning  
CONTACT'S ROLE distributor

CONTACT INFORMATION ►

ADDRESS

TYPE both  
DELIVERY POINT 120 Broadway, 31st Floor  
CITY New York  
ADMINISTRATIVE AREA New York  
POSTAL CODE 10271  
COUNTRY US

CONTACT INSTRUCTIONS

Available at the following website: <https://www1.nyc.gov/site/planning/data-maps/open-data.page>

[Hide Contact information ▲](#)

ORDERING PROCESS

TERMS AND FEES Free

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

NAME ESRI Shapefile  
VERSION Open Specification

TRANSFER OPTIONS

ONLINE SOURCE

LOCATION <https://www1.nyc.gov/site/planning/data-maps/open-data.page>

[Hide Distribution ▲](#)

**Fields** ►

DETAILS FOR OBJECT [nyap](#) ►

\* TYPE Feature Class  
\* ROW COUNT 67126

FIELD [OBJECTID](#) ►

\* ALIAS OBJECTID  
\* DATA TYPE OID  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0  
\* FIELD DESCRIPTION  
Internal feature number.  
  
\* DESCRIPTION SOURCE  
Esri  
  
\* DESCRIPTION OF VALUES  
Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

FIELD [AssemDist](#) ▶

- \* ALIAS ASSEMDIST
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

State Assembly District Number

[Hide Field AssemDist](#) ▲

FIELD [BOROUGH](#) ▶

- \* ALIAS BOROUGH
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

[Hide Field BOROUGH](#) ▲

FIELD [CENSUSBLOCK\\_2000](#) ▶

- \* ALIAS CENSUSBLOCK\_2000
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

[Hide Field CENSUSBLOCK\\_2000](#) ▲

FIELD [CENSUSBLOCK\\_2000\\_SUFFIX](#) ▶

- \* ALIAS CENSUSBLOCK\_2000\_SUFFIX
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

[Hide Field CENSUSBLOCK\\_2000\\_SUFFIX](#) ▲

FIELD [CENSUSTRACT\\_2000](#) ▶

- \* ALIAS CENSUSTRACT\_2000
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

[Hide Field CENSUSTRACT\\_2000](#) ▲

FIELD [CENSUSBLOCK\\_2010](#) ▶

- \* ALIAS CENSUSBLOCK\_2010
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

[Hide Field CENSUSBLOCK\\_2010](#) ▲

FIELD CENSUSBLOCK\_2010\_SUFFIX ►

- \* ALIAS CENSUSBLOCK\_2010\_SUFFIX
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

*Hide Field CENSUSBLOCK\_2010\_SUFFIX ▲*

FIELD CENSUSTRACT\_2010 ►

- \* ALIAS CENSUSTRACT\_2010
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

*Hide Field CENSUSTRACT\_2010 ▲*

FIELD CENSUSTRACT\_1990 ►

- \* ALIAS CENSUSTRACT\_1990
- \* DATA TYPE String
- \* WIDTH 6
- \* PRECISION 0
- \* SCALE 0

*Hide Field CENSUSTRACT\_1990 ▲*

FIELD ADMIN\_FIRE\_COMPANY ►

- \* ALIAS ADMIN\_FIRE\_COMPANY
- \* DATA TYPE String
- \* WIDTH 5
- \* PRECISION 0
- \* SCALE 0

*Hide Field ADMIN\_FIRE\_COMPANY ▲*

FIELD WATER\_FLAG ►

- \* ALIAS WATER\_FLAG
- \* DATA TYPE String
- \* WIDTH 1
- \* PRECISION 0
- \* SCALE 0

*Hide Field WATER\_FLAG ▲*

FIELD Shape ►

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Feature geometry.
- \* DESCRIPTION SOURCE  
ESRI



- \* DESCRIPTION OF VALUES  
Coordinates defining the features.

*Hide Field Shape ▲*

FIELD ELECTDIST ►

- \* ALIAS ELECTDIST
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

*Hide Field ELECTDIST ▲*

FIELD SCHOOLDIST ►

- \* ALIAS SCHOOLDIST
- \* DATA TYPE String
- \* WIDTH 2
- \* PRECISION 0
- \* SCALE 0

*Hide Field SCHOOLDIST ▲*

FIELD COMMDIST ►

- \* ALIAS COMMDIST
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

*Hide Field COMMDIST ▲*

FIELD SB1\_VOLUME ►

- \* ALIAS SB1\_VOLUME
- \* DATA TYPE String
- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

*Hide Field SB1\_VOLUME ▲*

FIELD SB1\_PAGE ►

- \* ALIAS SB1\_PAGE
- \* DATA TYPE String
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0

*Hide Field SB1\_PAGE ▲*

FIELD SB2\_VOLUME ►

- \* ALIAS SB2\_VOLUME
- \* DATA TYPE String

- \* WIDTH 3
- \* PRECISION 0
- \* SCALE 0

*Hide Field SB2\_VOLUME ▲*

FIELD SB2\_PAGE ►  
\* ALIAS SB2\_PAGE  
\* DATA TYPE String  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0

*Hide Field SB2\_PAGE ▲*

FIELD SB3\_VOLUME ►  
\* ALIAS SB3\_VOLUME  
\* DATA TYPE String  
\* WIDTH 3  
\* PRECISION 0  
\* SCALE 0

*Hide Field SB3\_VOLUME ▲*

FIELD SB3\_PAGE ►  
\* ALIAS SB3\_PAGE  
\* DATA TYPE String  
\* WIDTH 4  
\* PRECISION 0  
\* SCALE 0

*Hide Field SB3\_PAGE ▲*

FIELD ATOMICID ►  
\* ALIAS ATOMICID  
\* DATA TYPE String  
\* WIDTH 10  
\* PRECISION 0  
\* SCALE 0

*Hide Field ATOMICID ▲*

FIELD ATOMIC\_NUM ►  
\* ALIAS ATOMIC\_NUM  
\* DATA TYPE String  
\* WIDTH 3  
\* PRECISION 0  
\* SCALE 0

*Hide Field ATOMIC\_NUM ▲*

FIELD HURRICANE\_EVACUATION\_ZONE ►  
\* ALIAS HURRICANE\_EVACUATION\_ZONE  
\* DATA TYPE String  
\* WIDTH 2  
\* PRECISION 0

\* SCALE 0

[Hide Field HURRICANE\\_EVACUATION\\_ZONE ▲](#)

**FIELD Shape\_Length ▶**

\* ALIAS Shape\_Length

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

\* FIELD DESCRIPTION

Length of feature in internal units.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape\\_Length ▲](#)

**FIELD Shape\_Area ▶**

\* ALIAS Shape\_Area

\* DATA TYPE Double

\* WIDTH 8

\* PRECISION 0

\* SCALE 0

\* FIELD DESCRIPTION

Area of feature in internal units squared.

\* DESCRIPTION SOURCE

ESRI

\* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape\\_Area ▲](#)

[Hide Details for object nyap ▲](#)

[Hide Fields ▲](#)

**Metadata Details ▶**

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset

SCOPE NAME \* dataset

\* LAST UPDATE 2019-08-26

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

CREATED IN ARCGIS FOR THE ITEM 2015-03-09 16:53:08  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-08-26 10:16:12

AUTOMATIC UPDATES  
HAVE BEEN PERFORMED Yes  
LAST UPDATE 2019-08-26 10:16:12

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

METADATA CONTACT  
ORGANIZATION'S NAME New York City Department of City Planning  
CONTACT'S ROLE point of contact

### CONTACT INFORMATION ►

ADDRESS  
TYPE both  
DELIVERY POINT 120 Broadway, 31st Floor  
CITY New York  
ADMINISTRATIVE AREA New York  
POSTAL CODE 10271  
COUNTRY US

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

## Metadata Maintenance ►

MAINTENANCE  
UPDATE FREQUENCY quarterly

[Hide Metadata Maintenance ▲](#)