

New York City Atomic Polygons

ESRI Shapefile

Tags

Atomic Polygon, boundary, boundaries, districts, LION, CSCL, Department of City Planning, DCP, New York City, NYC, LIONdistricts

Summary

Atomic polygons are a set of basic building blocks 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 (DCP)

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 warrant 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

West -74.260380 **East** -73.699206
North 40.917691 **South** 40.477211

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 7/11/2022
PUBLICATION DATE 8/1/2022

EDITION 22B

PRESENTATION FORMATS * digital map

SERIES
NAME BYTES of the BIG APPLE
ISSUE 22B

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY
ORGANIZATION'S NAME New York City Department of City Planning (DCP)
CONTACT'S ROLE publisher

CONTACT INFORMATION ►

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DELIVERY POINT 120 Broadway, 31st Floor
CITY New York
ADMINISTRATIVE AREA NY
POSTAL CODE 10271
E-MAIL ADDRESS DCPopendata@planning.nyc.gov

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

STATUS completed
SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.6.1.9328

CREDITS
Department of City Planning (DCP)

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 40.477211
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE 912287.068787
* EAST LONGITUDE 1067382.508423
* SOUTH LATITUDE 113279.346985
* 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 (DCP)
CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

DELIVERY POINT 120 Broadway, 31st Floor
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[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

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[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["G
REFERENCE SYSTEM IDENTIFIER
*VALUE 2263
*CODESPACE EPSG
*VERSION 5.3(9.0.0)

[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 69279

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME nyap
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 69279
* 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 69279

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 2022-07-18

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 2022-07-18 10:01:29

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2022-07-18 10:01:29

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT
ORGANIZATION'S NAME New York City Department of City Planning (DCP)
CONTACT'S ROLE publisher

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[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
UPDATE FREQUENCY quarterly

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