

Streams and Canals in Onondaga County

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Identification_Information:

Citation:

Citation_Information:

Originator: Syracuse-Onondaga County Planning Agency

Publication_Date: Unpublished Material

Title: Streams and Canals in Onondaga County

Geospatial_Data_Presentation_Form: vector digital data

Description:

Abstract:

The Onondaga County Streams and Canals geographic dataset was created by the Syracuse-Onondaga County Planning Agency (SOCPA) in early 2004. This dataset was designed to provide SOCPA with a county-wide hydrography file that contains greater detail and more complete attributes than those previously used. The file is based on information obtained from maps produced by the Onondaga County Environment Management Council (EMC) using digital data derived from the 1:100,000 hydrography dataset produced by the New York State Department of Transportation (NYSDOT). The dataset contains numerous major and minor streams, which are represented by line features in an ESRI shapefile format. Nearly all of the major streams in this shapefile were copied directly from the NYSDOT 1:100,000 hydrography file, with many of the minor streams added by SOCPA staff from a variety of sources. Some attributes from the NYSDOT 1:100,000 file were retained, and additional attributes added to all features including an EMC classification (intermittent or perennial) and features describing flow direction. All hydrography features have been adjusted to match the New York State Digital Orthoimagery captured in the Spring of 2003. For more information on the state orthoimagery, please visit the NYS GIS Clearinghouse Website: <http://gis.ny.gov/>. The accuracy of the streams file is now believed to be ± 4 feet in urban areas and ± 8 feet in rural areas.

Purpose:

Suitable for use in a GIS database for the identification and display of surface streams and as a base file for the creation of other hydrographic-related GIS datasets.

Supplemental_Information:

Zone 4826 (Central New York) of the State Plane Coordinate System (NAD83).

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 2014

Currentness_Reference: Current

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -76.497895

East_Bounding_Coordinate: -75.894313

North_Bounding_Coordinate: 43.242952

South_Bounding_Coordinate: 42.771240

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: Streams

Theme_Keyword: Canals

Place:

Place_Keyword: Onondaga County

Place_Keyword: New York State

Place_Keyword: City of Syracuse

Place_Keyword: Town of Camillus

Place_Keyword: Town of Cicero

Place_Keyword: Town of Clay

Place_Keyword: Town of Dewitt

Place_Keyword: Town of Elbridge

Place_Keyword: Town of Fabius

Place_Keyword: Town of Geddes

Place_Keyword: Town of LaFayette

Place_Keyword: Town of Lysander

Place_Keyword: Town of Manlius

Place_Keyword: Town of Marcellus

Place_Keyword: Town of Onondaga

Place_Keyword: Town of Otisco

Place_Keyword: Town of Pompey

Place_Keyword: Town of Salina

Place_Keyword: Town of Skaneateles

Place_Keyword: Town of Spafford

Place_Keyword: Town of Tully

Place_Keyword: Town of Van Buren

Place_Keyword: Village of Baldwinsville

Place_Keyword: Village of North Syracuse

Place_Keyword: Village of Liverpool

Place_Keyword: Village of Elbridge

Place_Keyword: Village of Jordan

Place_Keyword: Village of Camillus

Place_Keyword: Village of Solvay

Place_Keyword: Village of East Syracuse

Place_Keyword: Village of Minoa

Place_Keyword: Village of Fayetteville

Place_Keyword: Village of Manlius

Place_Keyword: Village of Skaneateles

Place_Keyword: Village of Marcellus

Place_Keyword: Village of Tully

Place_Keyword: Village of Fabius

Place_Keyword: Onondaga Nation Territory

Access_Constraints: Data is owned by the Syracuse-Onondaga County Planning Agency (SOCPA). Data can be obtained from SOCPA upon request.

Use_Constraints: May not be sold or redistributed without prior consent from SOCPA. This dataset is intended for general planning purposes only.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Syracuse-Onondaga County Planning Agency

Contact_Person: Edward Hart

Contact_Position: GIS Program Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 1100 Civic Center

Address: 421 Montgomery Street

City: Syracuse

State_or_Province: NY

Postal_Code: 13202

Country: USA

Contact_Voice_Telephone: (315) 435-2611

Contact_Facsimile_Telephone: (315) 435-2439

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog
9.3.1.3000

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Data_Quality_Information:

Logical_Consistency_Report:

Generally topologically clean.

Completeness_Report:

Shapefile consists of lines representing both natural and man-made linear hydrographic features. All streams and canals greater than one mile in length are included and are represented by a single line depicting the approximate location of the center of the stream. Lines are attributed with the following: NYSDOT identifying level, NYSDOT category of feature, NYSDOT feature type, NYSDOT proper name of hydrographic feature, NYSDOT date of last modification, SOCPA alternate name, SOCPA cartographic code (major or minor), SOCPA EMC stream type (perennial or intermittent), and the next major receiving stream or waterbody of the attributed line segment.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Quantitative_Horizontal_Positional_Accuracy_Assessment:

Horizontal_Positional_Accuracy_Value: +/- 40 feet

Horizontal_Positional_Accuracy_Explanation: No quantitative tests

Lineage:

Process_Step:

Process_Description:

The Onondaga County Streams and Canals shapefile is adapted from the NYSDOT 1:100,000 hydrography dataset. SOCPA staff digitized minor hydrography features that were missing from the NYSDOT dataset and added attributes (SOCPA alternate name, SOCPA cartographic code (major or minor), SOCPA EMC stream type (perennial or intermittent), and the next major receiving stream or waterbody of the attributed line segment) obtained from maps produced by the Onondaga County Environment Management Council (EMC) and other local sources. All hydrography features have been adjusted positionally to match the New York State Digital Orthoimagery captured in the Spring of 2003.

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Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

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Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Map_Projection_Name: Transverse Mercator

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999938

Longitude_of_Central_Meridian: -76.583333

Latitude_of_Projection_Origin: 40.000000

False_Easting: 820208.333333

False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 0.000328

Ordinate_Resolution: 0.000328

Planar_Distance_Units: survey feet

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

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Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Streams

Attribute:

Attribute_Label: NAME

Attribute_Definition: Name of stream or canal

Attribute_Definition_Source: NYSDOT 1:100,000 scale hydrography dataset and other sources

Attribute:

Attribute_Label: LEVEL_

Attribute_Definition: NYSDOT feature level code

Attribute_Definition_Source: NYSDOT 1:100,000 scale hydrography dataset

Attribute:

Attribute_Label: CATEGORY

Attribute_Definition: NYSDOT feature category classification

Attribute_Definition_Source: NYSDOT 1:100,000 scale hydrography dataset

Attribute:

Attribute_Label: FEATURE

Attribute_Definition: NYSDOT feature type

Attribute_Definition_Source: NYSDOT 1:100,000 scale hydrography dataset

Attribute:

Attribute_Label: OBJECTID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: DATE_MOD
Attribute_Definition: date feature was last modified
Attribute_Definition_Source: NYSDOT 1:100,000 scale hydrography dataset

Attribute:

Attribute_Label: ALT_NAME
Attribute_Definition: alternate name of feature
Attribute_Definition_Source: SOCPA

Attribute:

Attribute_Label: SOCPA_CODE
Attribute_Definition: cartographic classification
Attribute_Definition_Source: SOCPA

Attribute:

Attribute_Label: EMC_TYPE
Attribute_Definition: EMC feature type (perennial or intermittent)
Attribute_Definition_Source: SOCPA (EMC paper map series)

Attribute:

Attribute_Label: FLOW_FEATU
Attribute_Definition: next major receiving hydrologic feature of the attributed line segment
Attribute_Definition_Source: SOCPA

Attribute:

Attribute_Label: Shape
Attribute_Definition: Feature geometry.
Attribute_Definition_Source: ESRI
Attribute_Domain_Values:
Unrepresentable_Domain: Coordinates defining the features.

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Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:
Contact_Organization: Syracuse-Onondaga County Planning Agency
Contact_Person: Edward Hart
Contact_Position: GIS Program Manager

Contact_Address:

Address_Type: mailing and physical address
Address: 1100 Civic Center
Address: 421 Montgomery Street
City: Syracuse
State_or_Province: NY
Postal_Code: 13202
Country: USA

Contact_Voice_Telephone: (315) 435-2611

Contact_Facsimile_Telephone: (315) 435-2439

Distribution_Liability:

Onondaga County makes no warranty as to the accuracy or completeness of the County's streams and canals geographic dataset, and will not be held responsible for any omissions or inaccuracies. This data is intended for general planning purposes only.

Standard_Order_Process:

Ordering_Instructions: Contact the Syracuse-Onondaga County Planning Agency

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Metadata_Reference_Information:

Metadata_Date: 2014

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Syracuse-Onondaga County Planning Agency

Contact_Person: Edward Hart

Contact_Position: GIS Program Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 1100 Civic Center

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State_or_Province: NY

Postal_Code: 13202

Country: USA

Contact_Voice_Telephone: (315) 435-2611

Contact_Facsimile_Telephone: (315) 435-2439

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Profile_Name: ESRI Metadata Profile

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