

Onondaga_County_Ortho_4bd_2ft

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Identification_Information:

Citation:

Citation_Information:

Originator: NYS Cyber Security

Publication_Date: 2009

Title:

Onondaga_County_Ortho_4bd_2ft

Geospatial_Data_Presentation_Form: raster digital data

Series_Information:

Series_Name: NYS Digital Ortho-imagery Program (NYSDOP)

Issue_Identification: 2009 imagery in Onondaga County

Publication_Information:

Publication_Place: Albany, New York

Publisher: NYS CSCIC

Description:

Abstract:

These files contain 2009 digital Ortho-imagery of Onondaga County, New York. Image pixel size is 2.0' GSD. Image type is 4-band, RGB & NIR. Image horizontal accuracy is within 8' at the 95% confidence level (NSSDA). Each file contains an image covering 4000 ft. by 6000 ft. on the ground.

Purpose:

This digital Ortho-imagery can serve a variety of purposes, from general planning to field reference for spatial analysis to a tool for revision of vector maps. It can also serve as a reference layer for GIS.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20090401

Currentness_Reference:
ground condition

Status:

Progress: Complete
Maintenance_and_Update_Frequency: Irregular

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -76.509626
East_Bounding_Coordinate: -75.878111
North_Bounding_Coordinate: 43.282377
South_Bounding_Coordinate: 42.764428

Keywords:

Theme:

Theme_Keyword_Thesaurus: Orthophoto, ortho
Theme_Keyword: Digital Ortho-imagery

Place:

Place_Keyword_Thesaurus: none
Place_Keyword: Onondaga County
Place_Keyword: New York

Access_Constraints: Some imagery tiles are classified as sensitive due to their content.

Use_Constraints:

Use of sensitive imagery, if granted, is only for the use specified in the request.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tim Ruhren
Contact_Organization: NYS Cyber Security

Contact_Address:

Address_Type: mailing and physical address
Address:
30 South Pearl Street
City: Albany
State_or_Province: New York
Postal_Code: 12207-3425
Country: USA

Contact_Voice_Telephone: 518-474-5212
Contact_Facsimile_Telephone: 518-473-5848
Contact_Electronic_Mail_Address: nysgis@dhSES.ny.gov
Hours_of_Service: 9am -4:30pm Eastern time

Data_Set_Credit:

NYS Cyber Security

Security_Information:

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.1850

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Data_Quality_Information:

Logical_Consistency_Report:

The dataset contains raster images or digital ortho images so the logical consistency report is not applicable. The file naming convention was supplied by New York State. When the ortho tiles were created the file names were restricted to a numeric value representing the lower left corner of the ortho tile. These tiles were then all renamed using a batch script so that they reflected the N.Y. state standard (i.e. "c_10470162_12_09600_4bd_2009.tif"). Consistency of file naming was ensured by using a batch process. The file naming convention consists of the first letter for Central, East, West or Long Island for New York State Plane Coordinate Systems (NYSPCS). The following four numeric characters represent the first four characters of the "X" coordinate value for the tile's lower left corner coordinate in NYSPCS and the next four characters represent the first four characters of the "Y" coordinate value for the tile's lower left corner coordinate in NYSPCS. The next two numeric characters represent the tile's Ground Sampling Distance (GSD) value in ft. The following five numeric characters represent the Above Mean Terrain (AMT) nominal height at which the DMC sensor recorded or collected the original imagery for the corresponding area. The next three characters are "4bd" for 4-band ortho-photos. Lastly, the last four numeric digits represent the year in which the particular ortho was created.

Completeness_Report:

The project consisted of 764 final tiles.

Lineage:

Process_Step:

Process_Description:

The Digital Natural Color aerial imagery was acquired in Spring 2009 using a DMC sensor flown at a nominal height of both 9,600' and 19,200' AMT (Above Mean Terrain). ABGPS data was also collected and processed using POSpac (version 5.1) Mobile Mapping Suite . The Ground Control used to support the 4-band ortho-imagery production was collected by identifying strategic points on previous aerial photography and supplemented by selecting new points or photo identifiable points (PID) in areas where needed due to a lack or minimal existence of points from previous ortho-imagery production projects and then determining the precise location coordinates of the entire ground control network by using ground survey techniques. The new Ground Control Network was also supplemented by targeting existing New York State HARN stations data. The Digital Aerial Triangulation (DAT) was performed, primarily, using softcopy workstations and Intergraph's ISAT. DAT solutions were independently reviewed and checked using independent blind control points. Digital Elevation Models (DEM) (mass-points and break-lines) used to support ortho imagery production were supplied by the state and updated using standard photogrammetric collection techniques on Intergraph soft copy workstations, and/or collected as LiDAR during spring 2009. The images were then ortho-rectified using Sanborn's proprietary APS orthophoto software modules. Color balancing, seamless mosaicking was performed by automatic and manual seam line creation steps, final color balancing and final extractions were also accomplished using this software. A final tile by tile quality control was performed

using Adobe PhotoShop software. The imagery product deliverables are GeoTIFF images with embedded header information describing the required projection, pixel size, tile size and other related data and corresponding world files (.tfw). Derivative compressed imagery is also available in JP2000 format.

Process_Date: Unknown

Source_Produced_Citation_Abbreviation:

Aerial Imagery

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Shawn Benham

Contact_Organization: Sanborn Map Company Inc.

Contact_Position: Project Manager

Contact_Address:

Address_Type: mailing address

Address:

1935 Jamboree Drive, Suite 100

City: Colorado Springs

State_or_Province: Colorado

Postal_Code: 80920

Country: USA

Contact_Voice_Telephone: 719-502-1296

Contact_Electronic_Mail_Address: sbenham@sanborn.com

Hours_of_Service: 9am - 5pm Eastern Time

Cloud_Cover: 1%

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Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster

Raster_Object_Information:

Raster_Object_Type: Pixel

Row_Count: 2000

Column_Count: 3000

Vertical_Count: 1

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Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: State Plane Coordinate System
State_Plane_Coordinate_System:

SPCS_Zone_Identifier: 3102
Transverse_Mercator:

Scale_Factor_at_Central_Meridian: .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: row and column
Coordinate_Representation:

Abscissa_Resolution: 2
Ordinate_Resolution: 2

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:

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Distribution_Information:

Resource_Description: Downloadable Data
Standard_Order_Process:

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Metadata_Reference_Information:

Metadata_Date: 20091203
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tim Ruhren
Contact_Organization: NYS Cyber Security

Contact_Position: NYS GIS Clearinghouse

Contact_Address:

Address_Type: mailing and physical address

Address:

30 South Pearl Street

City: Albany

State_or_Province: New York

Postal_Code: 12207-3425

Country: USA

Contact_Voice_Telephone: 518-474-5212

Contact_Facsimile_Telephone: 518-473-5848

Contact_Electronic_Mail_Address: nysgis@dhses.ny.gov

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile_Name: ESRI Metadata Profile

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Online_Linkage: <http://www.esri.com/metadata/esriprof80.html>

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