Onondaga County 24 Inch Ortho (4bd)

Metadata:

Identification_Information:

Citation:

Citation_Information:

Originator: NYS Division of Homeland Security and Emergency Services - Office of Cyber Security
Publication_Date: 20121018
Title:
Onondaga County 24 Inch Ortho (4bd)
Geospatial_Data_Presentation_Form: remote-sensing image
Series_Information:

Series_Name: NYS Digital Ortho-imagery Program (NYSDOP)
Issue_Identification: 2012 imagery in Onondaga County

Publication_Information:

Publication_Place: Albany, New York
Publisher: NYS-OCS

Description:

Abstract:
These files contain 2012 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:

Range_of_Dates/Times:

Beginning_Date: 20120403
Ending_Date: 20120419

Currentness_Reference:
ground condition

Status:

Progress: Complete
Maintenance_and_Update_Frequency: Irregular

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -76.509613
East_Bounding_Coordinate: -75.878111
North_Bounding_Coordinate: 43.282377
South_Bounding_Coordinate: 42.775403

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 Division of Homeland Security and Emergency Services - Office of Cyber Security

Contact_Address:

Address_Type: mailing and physical address
Address:
Harriman State Office Campus
Address:
1220 Washington Avenue
Address:
Building 7A, 4th Floor
City: Albany

State_or_Province: New York
Postal_Code: 12242
Country: USA

Contact_Voice_Telephone: (518)242-5029
Contact_Facsimile_Telephone: (518) 322-4976
Contact_Electronic_Mail_Address: nysgis@dhses.ny.gov
Hours_of_Service: 9am -4:30pm Easten time

Data_Set_Credit:
NYS Division of Homeland Security and Emergency Services - Office of Cyber Security
Security_Information:

Native_Data_Set_Environment:
Microsoft Windows Vista Version 6.0 (Build 6002) Service Pack 2; ESRI ArcCatalog 9.3.1.1850

Back to Top

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_05040748_24_19200_4bd_2012.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 715 final tiles.
Lineage:

Process_Step:

Process_Description:
The Digital Natural Color aerial imagery was acquired in Spring 2012 using a DMC sensor flown at a nominal height of 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. 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

Process_Step:

Process_Description:
Metadata imported.
Process_Date: 20121018
Process_Time: 12512800

Cloud_Cover: <1%

Back to Top

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster
Raster_Object_Information:

Raster_Object_Type: Pixel
Row_Count: 4000
Column_Count: 6000

Back to Top

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Map_Projection:

Map_Projection_Name: Transverse Mercator
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: 0.000000
Ordinate_Resolution: 0.000000

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

Back to Top

Entity_and_Attribute_Information:

Back to Top

Distribution_Information:

Resource_Description: Downloadable Data
Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.006

Back to Top

Metadata_Reference_Information:

Metadata_Date: 20121018
Metadata_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Tim Ruhren
Contact_Organization: NYS Division of Homeland Security and Emergency Services - Office of Cyber Security

Contact_Address:

Address_Type: mailing and physical address
Address:
Harriman State Office Campus
Address:
1220 Washington Avenue
Address:
Building 7A, 4th Floor
City: Albany
State_or_Province: New York
Postal_Code: 12242
Country: USA

Contact_Voice_Telephone: (518) 242-5029
Contact_Facsimile_Telephone: (518) 322-4976
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

Back to Top