{7990F418-8B36-4865-88A9-89B3E48A95D6}

20060626

09261600

FALSE

20060626

11264700

20070323

12583200

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.722

en

The 2006 OSIP digital LiDAR data was collected during the months of March and May (leaf-off conditions). The LiDAR covers the entire land area of the northern tier of Ohio (approximately 23,442 square miles. The LiDAR is delivered in county sets, consisting of 5,000' x 5,000' size tiles. Where the State borders other states (land only), the entire border of the State is buffered by at least 1,000-feet. Along the Lake Erie Shoreline ortho coverage is buffered beyond the shoreline a minimum distance of 2,500-feet. Adjacent flight lines overlap by an average of 30 percent. LiDAR was collected with Leica ALS50 digital LiDAR Systems. The file naming convention is as follows: Nxxxxyyy = 5,000' x 5,000' LiDAR Tiles located in the Ohio State Plane Coordinate System (North Zone). Sxxxxyyy = 5,000' x 5,000' LiDAR Tiles located in the Ohio State Plane Coordinate System (South Zone). Please note that xxxx and yyy represent the easting and northing coordinates (respectively) in state plane feet, The naming convention for each LiDAR tile is based upon (the bottom most-left pixel). The LiDAR was provided in LAS Format containing the above ground and bare-earth LiDAR features. Ownership of the data products resides with the State of Ohio. Orthophotography and ancillary data products produced through this contract are public domain data. LiDAR was acquired Statewide to provide a solid and very accurate base to use during the image rectification process. This same LiDAR can be supplemented with 3D breaklines to generate 2-foot and/or 4/5-foot contours. The average post spacing between LiDAR points is 7-feet. The flying altitude was 7,300-feet AMT, with the targeted flying speed at 170 knots.

The State of Ohio has a goal to develop and maintain a seamless statewide base map, referred to as OSIP (Ohio Statewide Imagery Program). OSIP is an initiative partnered through several State Agencies (i.e. ODOT, ODNR) through OGRIP. Data from this project forms the foundation of the Statewide base map, and was developed primarily to support multi-use applications, including homeland security, emergency management, economic development, and the business of government.

The delivery of the LiDAR will be based upon the 5,000' x 5,000' ortho tile layout, with the same naming convention used for both the imagery and LiDAR. Each LiDAR tile will be delivered in LAS Format.

State of Ohio Office of Information Technology, Ohio Geographically Referenced Information Program

20070101

S1910585.LAS

LiDAR digital data

LiDAR Acquisition

20060318

20060507

Complete

Unknown

000.00000000

000.00000000

00.00000000

00.00000000

000000.000000

000000.000000

000000.000000

000000.000000

None

LiDAR

imageryBaseMapsEarthCover

statewide imagery

georeferenced image

Georectification

OSIP

orthophotography

aerial photograph

rectified image

digital orthophoto

Statewide LiDAR

US

Ohio

None

None

LiDAR Dataset

This data set was acquired for the State of Ohio by Woolpert Inc. Subcontractors for LiDAR data acquisition included Horizons, Inc.

Project Administrator

mailing and physical address

77 South High Street - Room 1990

Columbus

Ohio

43215

USA

614.466.4747

614.728.5297

gis.support@oit.ohio.gov

8:00 am - 5:00 pm

State of Ohio, through the Office of Information Technology, Investment and Governance Division, for the Office of Information Technology, Services Delivery Division and the Ohio Geographically Referenced Information Program (OGRIP)

Jeff Smith

State of Ohio Office of Information Technology, Ohio Geographically Referenced Information Program

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 4; ESRI ArcCatalog 9.1.0.722

S1910585.LAS

1910000.000061

1915000.000061

590000.000048

585000.000048

1

-82.707671

-82.689884

39.619753

39.605996

1

en

FGDC Content Standards for Digital Geospatial Metadata

FGDC-STD-001-1998

local time

mailing and physical address

Dayton

Ohio

45402

409 East Monument Avenue

USA

937.531.1323

Brian Stevens

Woolpert Inc.

Project Manager

937.461.0743

brian.stevens@woolpert.com

20070323

http://www.esri.com/metadata/esriprof80.html

ESRI Metadata Profile

These metadata were produced prior to full state delivery and assume acceptance during QA/QC. All project sets are to be delivered under contract by February 2007. Completion status is contingent upon passing QA/QC checks and acceptance of all products by the State of Ohio. Delivery to counties occurs after acceptance. If you are accessing this metadata prior to full project acceptance and delivery, users can view project status at http://ohioortho.woolpert.com/

U.S. Geological Survey

Mailing and physical address

Customer Services

U.S. Geological Survey

EROS Data Center

47914 252nd Street

Sioux Falls

SD

57198-0001

US

1-800-252-4547

1-605-594-6933

1-605-594-6589

custserv@usgs.gov

Monday through Friday 8:00 AM to 4:00 PM (Central Time)

The above is the contact information for EROS Data Center in Sioux Falls, SD. this is the digital data storage and distribution center for the USGS. To improve service, identify your question as related to "CLICK Lidar Data".

FGDC Content Standards for Digital Geospatial Metadata

FGDC-STD-001-1998

local time

20050616

en

ISO 19115 Geographic Information - Metadata

DIS\_ESRI1.0

dataset

Downloadable Data External Hard Drives

0.000

0.000

Jeff Smith

OGRIP

Manager

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77 S. High St. - Rm 1990

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20070301

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None

Varies

ASCII or LAS

None. Downloadable data only.

None

U.S. Geological Survey

EROS Customer Services

Mailing and physical address

Customer Services

U.S. Geological Survey

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Point

LiDAR

coordinate pair

7.0

7.0

survey feet

State Plane Coordinate System

3401

GCS\_North\_American\_1983\_CORS

NAD\_1983\_CORS\_StatePlane\_Ohio\_South\_FIPS\_3402

North American Datum of 1983

Geodetic Reference System 80

6378137.000000

298.257222

North American Vertical Datum of 1988

feet

20070323

NAD\_1983\_HARN\_StatePlane\_Ohio\_South\_FIPS\_3402

Compliance with the accuracy standard was validated by the collection of photo identifiable GPS ground control points during the acquisition of LiDAR. The following checks were performed. - The LiDAR data was checked against the project ground control. The technical staff confirmed the accuracy of the points during initial processing. Airborne GPS was also utilized during processing.

The following methods are used to assure LiDAR accuracy. - Use of IMU and ground control network utilizing GPS techniques. - Use of airborne GPS in conjunction with the imagery and LiDAR acquisition. - The following software is used for validation of the surface modeling - LiDAR Data - Terrascan, TerraModeler, Leica - MicroStation - ESRI - ArcInfo - ERDAS Imagine - Woolpert Proprietary software

The LiDAR, meeting NMAS.

The LiDAR was acquired to meet +/- 1-foot vertical accuracy (RMSE of 0.5-foot - 95% confidence level). This is suitable for rectification of digital orthophotography and for the creation of 2- and 5-foot contours (with the addition of 3D compiled breaklines).

The aerial LiDAR acquisition for the State of Ohio was flown to support the creation of digital orthophotography with a 0.5-foot and 1-foot pixel resolution, as well as 1"=1,000 scale CIR Imagery. LiDAR acquisition was flown at an approximate altitude of 7,300-feet AMT, with approximately 34,000 line miles of acquisition. The LiDAR was collected using the Leica ALS50 digital LiDAR system. Woolpert, with the assistance of Horizons, Inc. acquired all LiDAR Data.

Woolpert Inc.

20060626

LiDAR Acquisition

1

1"=100', 1"=200' and 1"=1,000'

External Hard Drives

LiDAR Acquisition

None

LiDAR Supplied in LAS Format