MS Delta Flood 1-foot Orthophotos

Thumbnail Not Available

Tags

Orthophotography, 2019, Flooding

Summary

The new 1-foot imagery will be used to create orthophotos for various planning, design research and mapping purposes.

Description

USACE Delivery Order W912P919F0146 (USACE Contract: W912P9-16-D-0016). High resolution, digital aerial imagery collection and processing for 1-foot Orthophotos for the Mississippi Delta high water flooding area of approximately 1,248 square miles. The imagery will be used to produce high resolution 1' orthophotos at 3' RMSExy over the project AOI. Tiled deliverable products will conform to 10000ft x 10000ft tiling scheme. In addition to the Geotiff/Tfw tiles, a Mrsid mosaic at 20:1 compression in MG4 format was produced.

Credits

There are no credits for this item.

Use limitations

Unknown to the vendor supplying the finished product.

Extent

There is no extent for this item.

Scale Range

There is no scale range for this item.

ArcGIS Metadata ►

Citation ►

TITLE MS Delta Flood 1-foot Orthophotos

Hide Citation ▲

Resource Details ►

CREDITS

Hide Resource Details ▲

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Unknown to the vendor supplying the finished product.

Hide Resource Constraints ▲

FGDC Metadata (read-only) ►

Identification ►

CITATION
CITATION INFORMATION
ORIGINATOR Surdex Corporation
PUBLICATION DATE Unpublished Material
TITLE
MS Delta Flood 1-foot Orthophotos
GEOSPATIAL DATA PRESENTATION FORM remote-sensing image

DESCRIPTION
ABSTRACT
USACE Delivery Order W912P919F0146 (USACE Contract: W912P9-16-D-0016). High resolution, digital aerial imagery collection and processing for 1-foot Orthophotos for the Mississippi Delta high water flooding area of approximately 1,248 square miles. The imagery will be used to produce high resolution 1' orthophotos at 3' RMSExy over the project AOI. Tiled deliverable products will conform to 10000ft x 10000ft tiling scheme. In addition to the Geotiff/Tfw tiles, a Mrsid mosaic at 20:1 compression in MG4 format was produced.
PURPOSE
The new 1-foot imagery will be used to create orthophotos for various planning, design research and mapping purposes.
TIME PERIOD OF CONTENT
TIME PERIOD INFORMATION
MULTIPLE DATES/TIMES
SINGLE DATE/TIME
CALENDAR DATE 2019-03-20
TIME OF DAY unknown
SINGLE DATE/TIME
CALENDAR DATE 2019-03-20
TIME OF DAY unknown
CURRENTNESS REFERENCE
ground condition
STATUS
PROGRESS Complete
MAINTENANCE AND UPDATE FREQUENCY Unknown

SPATIAL DOMAIN
BOUNDING COORDINATES
WEST BOUNDING COORDINATE -91.14459796
EAST BOUNDING COORDINATE -90.36146216
NORTH BOUNDING COORDINATE 33.01580180
SOUTH BOUNDING COORDINATE 32.29860230

KEYWORDS
THEME
THEME KEYWORD THESAURUS Digital Imagery
THEME KEYWORD Orthophotography
THEME KEYWORD 2019
THEME KEYWORD Flooding

PLACE
PLACE KEYWORD THESAURUS Vicksburg
PLACE KEYWORD Mississippi

TEMPORAL
TEMPORAL KEYWORD THESAURUS N/A

Temporal Keyword Spring

Access Constraints
Unknown to the vendor supplying the finished product.
Use Constraints
Unknown to the vendor supplying the finished product.
Point of Contact
Contact Information
Contact Organization Primary
Contact Organization USACE
Contact Person Ted Stanton
Contact Address
Address Type mailing and physical
Address mailing address
Address 1222 Spruce Street
City St. Louis
State or Province MO
Postal Code 63103
Country UNITED STATES

Contact Voice Telephone 314-331-8389

Native Data Set Environment
Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.0.6491

Hide Identification ▲

Data Quality ►

Logical Consistency Report
None
Completeness Report
Complete
Positional Accuracy
Horizontal Positional Accuracy
Horizontal Positional Accuracy Report
Meets ASPRS horizontal Class of 3.0'+/- RMSE. Surdex collected ground survey and Airborne GPS data at the time of image acquisition and was used exclusively to control the product to ground coordinates.
Quantitative Horizontal Positional Accuracy Assessment
Horizontal Positional Accuracy Value 3.0
Horizontal Positional Accuracy Explanation
Meets ASPRS Class of 3.0'
Vertical Positional Accuracy
Vertical Positional Accuracy Report
None - this is a horizontal only product.
Lineage
Source Information
Source Citation
Citation Information
Originator SURDEX Corporation
Publication Date unknown
Title
Four Band Digital Orthophotography tiff files.

Source Scale Denominator 3600
Type of Source Media hardDisk

Source Time Period of Content
Time Period Information
Range of Dates/Times
Beginning Date 2019-03-20
Beginning Time unknown
Ending Date 2019-03-20
Ending Time unknown
Source Currentness Reference
ground condition
Source Citation Abbreviation
Leica ADS
Source Contribution
Aerial photography captured with a Leica ADS100 Digital Mapping Camera
Process Step
Process Description
4-band digital Geotiff/TFW imagery and Mrsid mosaic was processed and triangulated and then the imagery was fully orthorectfied and moaicked for 1-foot digital orthophotography delivered as 4-band tiles sized 10,000 feet square. All imagery was controlled using Airborne GPS/IMU technology on board the aircraft at the time of acquistion and processed against a stationary GPS base station.
Process Date unknown

Process Contact
Contact Information
Contact Organization Primary
Contact Organization SURDEX Corporation
Contact Person Wade Williams
Contact Position Project Management
Contact Address
Address Type mailing and physical
Address 520 Spirit of Saint Louis Boulevard
City Chesterfield
State or Province MO
Postal Code 63005

Contact Voice Telephone 636-368-4400

Hide Data Quality ▲

Spatial Data Organization ►

Direct Spatial Reference Method Raster

Raster Object Information
Raster Object Type Pixel
Row Count 10000
Column Count 10000

Hide Spatial Data Organization ▲

Spatial Reference ►

Horizontal Coordinate System Definition
Planar
Grid Coordinate System
Grid Coordinate System Name State Plane Coordinate System 1983

State Plane Coordinate System
SPCS Zone Identifier NAD_1983_2011_StatePlane_Mississippi_West_FIPS_2302_Feet
Transverse Mercator
Scale Factor at Central Meridian 0.99995
Longitude of Central Meridian -90.3333333333333
Latitude of Projection Origin 29.5
False Easting 2296583.33333333
False Northing 0.000000

Planar Coordinate Information
Planar Coordinate Encoding Method row and column
Coordinate Representation
Abscissa Resolution 1.0
Ordinate Resolution 1.0
Planar Distance Units feet

Geodetic Model
Horizontal Datum Name D_NAD_1983_2011
Ellipsoid Name GRS 1980
Semi-major Axis 6378137
Denominator of Flattening Ratio 298.257222101

Hide Spatial Reference ▲

Distribution Information ►

Distributor
Contact Information
Contact Organization Primary
Contact Organization USACE
Contact Person Ted Stanton
Contact Address
Address Type mailing and physical address
Address 1222 Spruce Street
City St. Louis
State or Province MO
Postal Code 63103
Country UNITED STATES

Contact Voice Telephone 314-331-8389

Distribution Liability
Unknown
Standard Order Process
Digital Form
Digital Transfer Information
Format Name TIFF
Format Version Number Unknown
Format Specification
Unknown
File Decompression Technique Data delivered on 1TB hard drive
Transfer Size 1

Digital Transfer Option
Offline Option
Offline Media Unknown
Recording Format Unknown

Fees 0
Ordering Instructions
Please contact Ted Stanton

Available Time Period
Time Period Information
Single Date/Time
Calendar Date 2019-03-25
Time of Day unknown

Hide Distribution Information ▲

Metadata Reference ►

Metadata Date 2019-03-22
Metadata Contact
Contact Information
Contact Organization Primary
Contact Organization SURDEX Corporation
Contact Person Wade Williams
Contact Position Project Manager
Contact Address
Address Type mailing and physical
Address 520 Spirit of Saint Louis Boulevard
City Chesterfield
State or Province MO
Postal Code 63005
Country UNITED STATES

Contact Voice Telephone 636-368-4400
Contact Electronic Mail Address wadew@surdex.com

Metadata Standard Name FGDC Content Standard for Digital Geospatial Metadata
Metadata Standard Version FGDC-STD-001-1998
Metadata Time Convention local time

Hide Metadata Reference ▲