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) ►
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
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

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
Aerial photography captured with a Leica ADS100 Digital Mapping Camera

PROCESS DESCRIPTION
4-band digital Geotiff/TFW imagery and Mrsid mosaic was processed and triangulated and then the imagery was fully orthorectified and mosaicked 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 acquisition and processed against a stationary GPS base station.

CONTACT
SURDEX Corporation
Wade Williams
520 Spirit of Saint Louis Boulevard
Chesterfield, MO 63005
636-368-4400

DIRECT SPATIAL REFERENCE METHOD
Raster

RASTER OBJECT INFORMATION
RASTER OBJECT TYPE
Pixel
ROW COUNT
10000
COLUMN COUNT
10000

HORIZONTAL COORDINATE SYSTEM DEFINITION
PLANAR
GRID COORDINATE SYSTEM
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 NORTING 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

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
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  POSTAL CODE  63005
  COUNTRY  UNITED STATES

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  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 ▲