

Contour

File Geodatabase Feature Class

Thumbnail Not Available

Tags

elevation, Digital Elevation Model, Digital Terrain Model, DTM, Topography, Altitude, Height, Contour

Summary

The purpose of this project was to develop statewide Digital Elevation Data (DTM) from the statewide two foot resolution 2006/2007 aerial imagery.

Description

This metadata record describes the production of a Digital Terrain Model (DTM) and contours for the state of Mississippi. The DTM was compiled at a scale 400 feet from imagery with a 2' ground sample distance (GSD) from a previous statewide project. Part of the imagery acquisition occurred January through March, 2006. With additional acquisition occurred January, 2007. The following contributed to the Mississippi Statewide dataset: Fugro EarthData, Inc., Mississippi Geographic Information, LLC, Mississippi Department Environmental Quality, NOAA Coastal Services Center, Mississippi DOT, Mississippi State University, and Mississippi Coordinating Council for Remote Sensing and GIS.

Credits

There are no credits for this item.

Use limitations

Data should be used only as originally intended and is not for engineering or design purposes.

Extent

West -90.779054 **East** -89.963212
North 33.046469 **South** 32.495979

Scale Range

There is no scale range for this item.

ArcGIS Metadata ►

Topics and Keywords ►

* CONTENT TYPE Downloadable Data

Hide Topics and Keywords ▲

Citation ►

* TITLE Contour

PRESENTATION FORMATS * digital map

Hide Citation ▲

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.1.3497

CREDITS

ARCGIS ITEM PROPERTIES

* NAME Contour

* LOCATION file:///\\SWALKER-

PC\E\$\DATA\MDEM_Vector_2015\MS_DTM_Project\Counties\Yazoo.gdb

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

VERTICAL EXTENT

* MINIMUM VALUE 60.000011

* MAXIMUM VALUE 394.999997

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -90.779054

* EAST LONGITUDE -89.963212

* NORTH LATITUDE 33.046469

* SOUTH LATITUDE 32.495979

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 2160000.000169

* EAST LONGITUDE 2410000.000168

* SOUTH LATITUDE 1090000.000040

* NORTH LATITUDE 1289999.999974

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Data should be used only as originally intended and is not for engineering or design purposes.

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983_HARN

* PROJECTION NAD_1983_HARN_StatePlane_Mississippi_West_FIPS_2302_Feet
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 2900
X ORIGIN -17463400
Y ORIGIN -43523900
XY SCALE 3048.00609601219
Z ORIGIN -100000
Z SCALE 3048.00609601219
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 0.003280833333333333
Z TOLERANCE 0.003280833333333333
M TOLERANCE 0.001
HIGH PRECISION true
LATEST WELL-KNOWN IDENTIFIER 2900
WELL-KNOWN TEXT
PROJCS["NAD_1983_HARN_StatePlane_Mississippi_West_FIPS_2302_Feet",GEOGCS["GCS_North_American_1983_HARN",DATUM["D_North_American_1983_HARN",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",2296583.333333333],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-90.33333333333333],PARAMETER["Scale_Factor",0.99995],PARAMETER["Latitude_Of_Origin",29.5],UNIT["Foot_US",0.3048006096012192],AUTHORITY["EPSG",2900]],VERTCS["NAVD_1988",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot",0.3048]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 2900
- * CODESPACE EPSG
- * VERSION 8.2.6

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

- FEATURE CLASS NAME Contour
- * OBJECT TYPE composite
 - * OBJECT COUNT 48924

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME Contour
- * FEATURE TYPE Simple
 - * GEOMETRY TYPE Polyline
 - * HAS TOPOLOGY FALSE
 - * FEATURE COUNT 48924

- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING TRUE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Distribution ►

DISTRIBUTOR ►

AVAILABLE FORMAT

- * NAME File Geodatabase Feature Class

TRANSFER OPTIONS

ONLINE SOURCE

* LOCATION

file:///\\ARMISTEAD\E\09_0024_Miss_Co_BLKs\WEST\Block1W\1BW\1BW_FINAL\Counties\Yazoo.gdb

* ACCESS PROTOCOL Local Area Network

* DESCRIPTION Downloadable Data

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [Contour](#) ►

* TYPE Feature Class

* ROW COUNT 48924

DEFINITION

Lines

DEFINITION SOURCE

Fugro EarthData, Inc.

FIELD [OBJECTID](#) ►

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Internal feature number.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field OBJECTID ▲

FIELD Shape ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Feature geometry.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

Hide Field Shape ▲

FIELD SOURCE_DATADESC ►

- * ALIAS SOURCE_DATADESC
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Aerial Imagery

DESCRIPTION SOURCE

Fugro EarthData

DESCRIPTION OF VALUES

Imagery

Hide Field SOURCE_DATADESC ▲

FIELD DATA_SECURITY ►

- * ALIAS Data_Security
- * DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Security classification code

DESCRIPTION SOURCE

National data model values

LIST OF VALUES

VALUE 0

DESCRIPTION Unknown

ENUMERATED DOMAIN VALUE DEFINITION SOURCE National data Model

VALUE 1

DESCRIPTION top secret

ENUMERATED DOMAIN VALUE DEFINITION SOURCE National data model

VALUE 2

DESCRIPTION secret

ENUMERATED DOMAIN VALUE DEFINITION SOURCE National data model

VALUE 3

DESCRIPTION confidential

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 4

DESCRIPTION restricted

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 5

DESCRIPTION unclassified

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 6

DESCRIPTION Sensitive

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

ACCURACY INFORMATION

ACCURACY 5

EXPLANATION

unclassified

MEASUREMENT FREQUENCY Unknown

Hide Field DATA_SECURITY ▲

FIELD DISTRIBUTION_POLICY ►

* ALIAS Distribution_Policy

* DATA TYPE String

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

access and use constraints of data E4

DESCRIPTION SOURCE

national data model

LIST OF VALUES

VALUE A1

DESCRIPTION emergency service provider - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE A2

DESCRIPTION emergency service provider - bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE A3

DESCRIPTION emergency service provider - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE A4

DESCRIPTION emergency service provider - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE B1

DESCRIPTION government agencies or thier delegated agents - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE B2

DESCRIPTION government agencies or their delegated agents - bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE B3

DESCRIPTION government agencies or their delegated agents - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE B4

DESCRIPTION government agencies or their delegated agents - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE C1

DESCRIPTION other public or educational institutions - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE C2

DESCRIPTION other public or educational institutions bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE C3

DESCRIPTION other public or educational institutions - free distibutions to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE C4

DESCRIPTION other public or educational institutions - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE D1
DESCRIPTION data contributors - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE D2
DESCRIPTION data contributors - bitmap display via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE D3
DESCRIPTION data contributors - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE D4
DESCRIPTION data contributors - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE E1
DESCRIPTION Public domain - internall use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE E2
DESCRIPTION Public domain - bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE E3
DESCRIPTION Public domain - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE E4
DESCRIPTION Public domain - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

ACCURACY INFORMATION

ACCURACY 4

EXPLANATION

Public domain - free distribution to third parties via internet

MEASUREMENT FREQUENCY None planned

Hide Field DISTRIBUTION_POLICY ▲

FIELD LOADDATE ►

* ALIAS LOADDATE

* DATA TYPE Date

* WIDTH 8

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Date

DESCRIPTION SOURCE

ESRI

LIST OF VALUES

VALUE Date

DESCRIPTION Image capture and processing date

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Date of service

Hide Field LOADDATE ▲

FIELD QUALITY ►

* ALIAS Quality

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Attribute code on the quality of the data base on MDEM standards

DESCRIPTION SOURCE

national data model

LIST OF VALUES

VALUE 1

DESCRIPTION MDEM

ENUMERATED DOMAIN VALUE DEFINITION SOURCE National Data Model

VALUE 2

DESCRIPTION Non MDEM

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 0

DESCRIPTION unknown

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

ACCURACY INFORMATION

ACCURACY 1

EXPLANATION

MDEM

MEASUREMENT FREQUENCY None planned

Hide Field QUALITY ▲

FIELD CONTOURINTERVAL ►

* ALIAS CONTOURINTERVAL

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Elevation of lines

DESCRIPTION SOURCE

Microstation

DESCRIPTION OF VALUES

Label defining the features.

Hide Field CONTOURINTERVAL ▲

FIELD CONTOURDESCRIPTION ►

* ALIAS CONTOURDESCRIPTION

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Representation of elevation

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Description of features.

Hide Field CONTOURDESCRIPTION ▲

FIELD CONTOURTYPE ►

* ALIAS CONTOURTYPE

* DATA TYPE Integer

* WIDTH 4

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Contour

DESCRIPTION SOURCE

Microstation

LIST OF VALUES

VALUE 1

DESCRIPTION index contour

ENUMERATED DOMAIN VALUE DEFINITION SOURCE Every 5th contour for cartography

VALUE 2

DESCRIPTION Intermediate Contour lines

ENUMERATED DOMAIN VALUE DEFINITION SOURCE 4 contours between index

Hide Field CONTOURTYPE ▲

FIELD CONTOURUNITS ►

- * ALIAS CONTOURUNITS
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

feet

DESCRIPTION SOURCE

Microstation

DESCRIPTION OF VALUES

Unit of measure

Hide Field CONTOURUNITS ▲

FIELD SCALE ►

- * ALIAS Scale
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

1:4800

DESCRIPTION SOURCE

national data model

LIST OF VALUES

VALUE 0

DESCRIPTION unknown or scale NA

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 1

DESCRIPTION small scale

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 2

DESCRIPTION medium scale

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

VALUE 3

DESCRIPTION large scale

ENUMERATED DOMAIN VALUE DEFINITION SOURCE national data model

ACCURACY INFORMATION

ACCURACY 2

EXPLANATION

medium

MEASUREMENT FREQUENCY None planned

Hide Field SCALE ▲

FIELD Elevation ►

- * ALIAS Elevation
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

height above sea level

DESCRIPTION SOURCE

database

Hide Field Elevation ▲

FIELD Level ►

- * ALIAS Level
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Microstation designation

DESCRIPTION SOURCE

Microstation

DESCRIPTION OF VALUES

Microstation level

Hide Field Level ▲

FIELD Shape_Length ►

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Length of feature in internal units.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape_Length ▲](#)

[Hide Details for object Contour ▲](#)

[Hide Fields ▲](#)

Metadata Details ►

- * METADATA LANGUAGE English (UNITED STATES)
- * METADATA CHARACTER SET 8859part1 - Latin alphabet No. 1

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2015-10-01

ARCGIS METADATA PROPERTIES
METADATA FORMAT ESRI-ISO

CREATED IN ARCGIS FOR THE ITEM 2011-02-20 15:02:57
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-10-01 08:47:07

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-10-01 08:47:07

[Hide Metadata Details ▲](#)

FGDC Metadata (read-only) ▼

CITATION
CITATION INFORMATION
ORIGINATOR Fugro EarthData, Inc.
PUBLICATION DATE 2010
PUBLICATION TIME Unknown
TITLE
Contour
EDITION 1st Edition
GEOSPATIAL DATA PRESENTATION FORM vector digital data
PUBLICATION INFORMATION
PUBLICATION PLACE Frederick, Maryland
PUBLISHER Fugro EarthData, Inc.
ONLINE LINKAGE
\\ARMISTEAD\E\09_0024_Miss_Co_BLKs\WEST\Block1W\1BW\1BW_FINAL\Counties\Yazoo.gdb

DESCRIPTION
ABSTRACT
This metadata record describes the production of a Digital Terrain Model (DTM) and contours for the state of Mississippi. The DTM was compiled at a scale 400 feet from imagery with a 2' ground sample distance (GSD) from a previous statewide project.

Part of the imagery acquisition occurred January through March, 2006. With additional acquisition occurred January, 2007. The following contributed to the Mississippi Statewide dataset: Fugro EarthData, Inc., Mississippi Geographic Information, LLC, Mississippi Department Environmental Quality, NOAA Coastal Services Center, Mississippi DOT, Mississippi State University, and Mississippi Coordinating Council for Remote Sensing and GIS.

PURPOSE

The purpose of this project was to develop statewide Digital Elevation Data (DTM) from the statewide two foot resolution 2006/2007 aerial imagery.

TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

RANGE OF DATES/TIMES

BEGINNING DATE 2006

ENDING DATE 2010

CURRENTNESS REFERENCE

ground condition

STATUS

PROGRESS Complete

MAINTENANCE AND UPDATE FREQUENCY Unknown

SPATIAL DOMAIN

BOUNDING COORDINATES

WEST BOUNDING COORDINATE -90.779054

EAST BOUNDING COORDINATE -89.963212

NORTH BOUNDING COORDINATE 33.046469

SOUTH BOUNDING COORDINATE 32.495979

KEYWORDS

THEME

THEME KEYWORD THESAURUS ISO 19115 Topic Category

THEME KEYWORD elevation

THEME KEYWORD Digital Elevation Model

THEME KEYWORD Digital Terrain Model

THEME KEYWORD DTM

THEME KEYWORD Topography

THEME KEYWORD Altitude

THEME KEYWORD Height

THEME KEYWORD Contour

PLACE

PLACE KEYWORD THESAURUS Geographic Names Information System

PLACE KEYWORD Mississippi

PLACE KEYWORD USA

PLACE KEYWORD North America

STRATUM

STRATUM KEYWORD THESAURUS Land

STRATUM KEYWORD Land Surface

TEMPORAL

TEMPORAL KEYWORD THESAURUS Date

TEMPORAL KEYWORD 2006

TEMPORAL KEYWORD 2007

ACCESS CONSTRAINTS

None

USE CONSTRAINTS

Data should be used only as originally intended and is not for engineering or design purposes.

POINT OF CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Geospatial Resources Division MDEQ - Office of Geology

CONTACT POSITION Director Geospatial Resources Division

CONTACT ADDRESS

ADDRESS TYPE mailing address

ADDRESS PO Box 2279

CITY Jackson

STATE OR PROVINCE Mississippi

POSTAL CODE 39225-2279

COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 601-961-5506

CONTACT FACSIMILE TELEPHONE 601-961-5521

CONTACT ELECTRONIC MAIL ADDRESS Stephen_Champlin@deq.state.ms.us

HOURS OF SERVICE Monday through Friday, 8:30am to 5:00pm

SECURITY INFORMATION

SECURITY CLASSIFICATION SYSTEM National data model

SECURITY CLASSIFICATION Unclassified

SECURITY HANDLING DESCRIPTION None

NATIVE DATA SET ENVIRONMENT

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.2.6.1500

[Hide Identification ▲](#)

ATTRIBUTE ACCURACY

ATTRIBUTE ACCURACY REPORT

The accuracy of the data is dependant upon the 2 foot pixel resolution aerial imagery. See positional accuracy for attributes pertaining to elevation.

QUANTITATIVE ATTRIBUTE ACCURACY ASSESSMENT

ATTRIBUTE ACCURACY VALUE 3.3

ATTRIBUTE ACCURACY EXPLANATION

RMSE value based on NGS points

LOGICAL CONSISTENCY REPORT

Compliance with the accuracy standard was ensured by the collection of photo identifiable GPS ground control

after the acquisition of aerial imagery. The following checks were performed.

1. The ground control and airborne GPS data stream were validated through a fully analytical bundle aerotriangulation adjustment. The RMSE is less than 1, 10,000th of the flying height.
2. The DEM data was checked against the project control. The technician visited and confirmed the accuracy of the points during initial processing.
3. Digital orthophotography was validated through an inspection of edge matching and visual inspection for image quality.

The following methods are used to assure imagery accuracy.

1. Use of IMU (inertial measurement unit) and ground control network utilizing GPS techniques.

2. Use of airborne GPS (global positioning system) in conjunction with the acquisition of imagery. The following software is used for validation of the imagery and surface modeling.

1. Aerotriangulation - ISTAR
2. DEM data - ISTAR
3. Digital Orthophotography - ISTAR, OrthoPro, and Photoshop.
4. Bentley - MicroStation
5. ISTAR
6. ESRI - ArcView, ArcMap
7. EarthData proprietary software
8. Adobe - Photoshop

COMPLETENESS REPORT

The data was collected from two foot pixel aerial imagery. The data set includes obscured areas and seasonal standing water. Refer to metadata process steps for methodology.

POSITIONAL ACCURACY

HORIZONTAL POSITIONAL ACCURACY

HORIZONTAL POSITIONAL ACCURACY REPORT

This data has been produced to be fully compliant with the ASPRS Class 2 at a scale of 1 = 400 feet with a 2' GSD. Resulting horizontal accuracies of +/- 4 RMSE will meet or exceed ASPRS accuracy standards.

QUANTITATIVE HORIZONTAL POSITIONAL ACCURACY ASSESSMENT

HORIZONTAL POSITIONAL ACCURACY VALUE 1.84'

HORIZONTAL POSITIONAL ACCURACY EXPLANATION

Measurement of ground control versus stereo pairs after AT processing

VERTICAL POSITIONAL ACCURACY

VERTICAL POSITIONAL ACCURACY REPORT

Map scale 1:4800 with a 5 foot ASPRS Class II contour interval for the area. Data will reference Mississippi State Plane East and West coordinates, NAD83, NAVD88 vertical datum in US Survey Feet. Accuracy of all final map products will meet or exceed ASPRS Class II accuracy standards for large scale maps. Resulting vertical accuracies of +/- 3.3 RMSE will meet or exceed ASPRS accuracy standards.

QUANTITATIVE VERTICAL POSITIONAL ACCURACY ASSESSMENT

VERTICAL POSITIONAL ACCURACY VALUE 3.3' RMSE

VERTICAL POSITIONAL ACCURACY EXPLANATION

EarthData extracted a set of 6,167 NGS points throughout the state in order to complete the final product assessment.

LINEAGE

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR EarthData International, Inc. (Aviation Division)

PUBLICATION DATE 2006-03-04

TITLE

Aerial Imagery

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM remote-sensing image

SOURCE SCALE DENOMINATOR 4800

TYPE OF SOURCE MEDIA disc

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

RANGE OF DATES/TIMES

BEGINNING DATE 2006-01-03

ENDING DATE 2006-03-04

SOURCE CURRENTNESS REFERENCE

ground condition

SOURCE CITATION ABBREVIATION

Aerial Imagery

SOURCE CONTRIBUTION

Base imagery used to compile Breaklines, Mass points, Hydrography, and Transportation..

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR Waggoner Engineering, Inc.

PUBLICATION DATE 2006-06-07

PUBLICATION TIME Unknown

TITLE

Mississippi Statewide - Photo Control

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM model

OTHER CITATION DETAILS

The additional 72 points were collected in 2009.

SOURCE SCALE DENOMINATOR 4800

TYPE OF SOURCE MEDIA electronic mail system

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2006-04-13

SOURCE CURRENTNESS REFERENCE

ground condition

SOURCE CITATION ABBREVIATION

Ground Control

SOURCE CONTRIBUTION

Waggoner Engineering, Inc., under contract to EarthData International, Inc. successfully established ground control for the Mississippi Statewide project (Part A). A total of 43

ground control points in Mississippi were acquired using GPS for both vertical and horizontal coordinate values. All 43 points utilized photo identifiable points.

Additional 72 points were surveyed to supplement the compilation project. These points were collected using a similar methodology as the previous project.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR Fugro EarthData, Inc.

PUBLICATION DATE 2009

TITLE

Aerial Triangulation

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM tabular digital data

SOURCE SCALE DENOMINATOR 4800

TYPE OF SOURCE MEDIA disc

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2010

SOURCE CURRENTNESS REFERENCE

ground condition

SOURCE CITATION ABBREVIATION

AT

SOURCE CONTRIBUTION

Aerial triangulation report was submitted with the data. This process is an extension of ground survey data to allow compilation of mapping data.

PROCESS STEP

PROCESS DESCRIPTION

Fugro EarthData, Inc. completed all phases of aerotriangulation (AT) for the 73 flight lines covering the Mississippi, Block 1 ADS40 Orthophotography Mapping Project. All final ADS40 data and related products will be delivered to the client in the projection(s) and datum(s) of UTM 16N, NAD83, Meters. All coordinates and measurements in this report will be presented in UTM 16N, NAD83, GRS80, Meters, unless otherwise stated. The results of this Aerial Triangulation solution are sufficient to support ASPRS Class 2 five foot contours.

Collections: 9

Collection Dates: January 3rd, 11th, 24th, 29th, and 31st, February 7th and 9th, 2006

Ground Sample Distance (GSD): 1 pixel is equal to 2 ft

Flight Level(s): 18900 ft above mean terrain (AMT)

Camera Type: Leica ADS-40

Camera Serial Number(s): SP9, SH-30034, SP6

All imagery for the collection of was acquired on the dates January 3rd, 11th, 24th, 29th, and 31st, February 7th and 9th, 2006 from an altitude of 18900 ft above mean terrain (AMT). The resulting Ground Sample Distance (GSD) of 1 pixel is equal to 2 ft of ground coverage. Fugro EarthData, Inc. acquired all photography using the Leica ADS-40 digital airborne sensor, serial number(s) SP9, SH-30034, SP6, each with a calibrated focal length of 62.77 mm. The entire project collection was completed with a total of 9 lift(s).

SOURCE USED CITATION ABBREVIATION

Ground Control

SOURCE USED CITATION ABBREVIATION

Aerial Imagery

PROCESS DATE 2009-09-22

SOURCE PRODUCED CITATION ABBREVIATION

AT

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

CONTACT POSITION Project Manager

CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 7320 Executive Way

CITY Frederick

STATE OR PROVINCE MD

POSTAL CODE 21704

COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 301-948-8550 x212

CONTACT FACSIMILE TELEPHONE 301-963-2064

CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com

HOURS OF SERVICE Monday through Friday, 8:30am to 5:00pm

PROCESS STEP

PROCESS DESCRIPTION

Fugro EarthData, Inc. completed all phases of aerotriangulation (AT) for the 75 flight lines covering the Mississippi, Block 2 ADS40 Orthophotography Mapping Project. All final ADS40 data and related products will be delivered to the client in the projection(s) and datum(s) of UTM 16N, NAD83, Meters. All coordinates and measurements in this

report will be presented in UTM 16N, NAD83, GRS80, Meters, unless otherwise stated. The results of this Aerial Triangulation solution are sufficient to support ASPRS Class 2 five foot contours.

Collections: 11

Collection Dates: January 5th, 7th, 14th, and 31st, February 4th, 7th, 9th, and 13th, 2006

Ground Sample Distance (GSD): 1 pixel is equal to 2 ft

Flight Level(s): 18900ft above mean terrain (AMT)

Camera Type: Leica ADS40

Camera Serial Number(s): SP9, SH-30034, SP12, SP6

All imagery for the collection of was acquired on the dates January 5th, 7th, 14th, and 31st, February 4th, 7th, 9th, and 13th, 2006 from an altitude of 18900 ft above mean terrain (AMT). The resulting Ground Sample Distance (GSD) of 1 pixel is equal to 2 ft of ground coverage. Fugro EarthData, Inc. acquired all photography using the Leica ADS40 digital airborne sensor, serial number(s) SP9, SH-30034, SP12, SP6, each with a calibrated focal length of 62.77 mm. The entire project collection was completed with a total of 11 lift(s).

PROCESS DATE 2009-09-22

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

CONTACT POSITION Project Manager

CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 7320 Executive Way

CITY Frederick

STATE OR PROVINCE MD

POSTAL CODE 21704

COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 301-948-8550

CONTACT FACSIMILE TELEPHONE 301-863-2064

CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com

HOURS OF SERVICE M-F 8-5

PROCESS STEP

PROCESS DESCRIPTION

Fugro EarthData, Inc. completed all phases of aerotriangulation (AT) for the 73 flight lines covering the Mississippi, Block 3 ADS40 Orthophotography Mapping Project. All final ADS40 data and related products will be delivered to the client in the projection(s) and datum(s) of UTM 16N, NAD83, Meters. All coordinates and measurements in this report will be presented in UTM 16N, NAD83, GRS80, Meters, unless otherwise stated. The results of this Aerial Triangulation solution are sufficient to support ASPRS Class 2 five foot contours.

Collections: 13

Collection Dates: January 5th, 7th, 11th, 14th, and 25th, February 13th, March 1st and 4th, 2006

Ground Sample Distance (GSD): 1 pixel is equal to 2 ft

Flight Level(s): 18900 ft above mean terrain (AMT)

Camera Type: Leica ADS40

Camera Serial Number(s): SP9, SH-30034, SP12, SP6, SP17, SP19

All imagery for the collection of was acquired on the dates January 5th, 7th, 11th, 14th, and 25th, February 13th, March 1st and 4th, 2006 from an altitude of 18901 ft

above mean terrain (AMT). The resulting Ground Sample Distance (GSD) of 1 pixel is equal to 2 ft of ground coverage. Fugro EarthData, Inc. acquired all photography using the Leica ADS40 digital airborne sensor, serial number(s) SP9, SH-30034, SP12, SP6, SP17, SP19, each with a calibrated focal length of 62.77 mm. The entire project collection was completed with a total of 13 lift(s).

PROCESS DATE 2009-09-22

PROCESS CONTACT
CONTACT INFORMATION
CONTACT ORGANIZATION PRIMARY
CONTACT ORGANIZATION Fugro EarthData, Inc.
CONTACT PERSON John Knowlton
CONTACT POSITION Project Manager
CONTACT ADDRESS
ADDRESS TYPE mailing and physical address
ADDRESS 7320 Executive Way
CITY Frederick
STATE OR PROVINCE MD
POSTAL CODE 21704
COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 301-948-8550
CONTACT FACSIMILE TELEPHONE 301-963-2064
CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com

PROCESS STEP

PROCESS DESCRIPTION

Block 4 was processed under this work order but was scheduled to have additional field points incorporated into the solution on a later contract. Fugro EarthData, Inc. completed all phases of aerotriangulation (AT) for the 56 flight lines covering the Mississippi, Block 4 ADS40 Orthophotography Mapping Project. All final ADS40 data and related products will be delivered to the client in the projection(s) and datum(s) of UTM 16N, NAD83, Meters. All coordinates and measurements in this report will be presented in UTM 16N, NAD83, GRS80, Meters, unless otherwise stated. The results of this Aerial Triangulation solution are sufficient to support ASPRS Class 2 five foot contours.

Collections: 9

Collection Dates: January 5th, 7th, 14th, 29th, 8th and 29th, 2007

Ground Sample Distance (GSD): 1 pixel is equal to 2 ft

Flight Level(s): 18900 ft above mean terrain (AMT)

Camera Type: Leica ADS40

Camera Serial Number(s): SP12, SP6, SP19, SP17

All imagery for the collection of was acquired on the dates January 5th, 7th, 14th, 29th, 8th and 29th, 2007 from an altitude of 18901 ft above mean terrain (AMT). The resulting Ground Sample Distance (GSD) of 1 pixel is equal to 2 ft of ground coverage. Fugro EarthData, Inc. acquired all photography using the Leica ADS40 digital airborne sensor, serial number(s) SP12, SP6, SP19, SP17, each with a calibrated focal length of 62.77 mm. The entire project collection was completed with a total of 9 lift(s).

PROCESS DATE 2009-10-28

PROCESS CONTACT
CONTACT INFORMATION
CONTACT ORGANIZATION PRIMARY
CONTACT ORGANIZATION Fugro EarthData, Inc.
CONTACT PERSON John Knowlton
CONTACT POSITION Project Manager
CONTACT ADDRESS

ADDRESS TYPE mailing and physical address
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COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 301-948-8550
CONTACT FACSIMILE TELEPHONE 301-963-2064
CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com

PROCESS STEP

PROCESS DESCRIPTION

Fugro EarthData, Inc. completed all phases of aerotriangulation (AT) for the 56 flight lines covering the Mississippi, Block 5 ADS40 Orthophotography Mapping Project. All final ADS40 data and related products will be delivered to the client in the projection(s) and datum(s) of UTM 16N, NAD83, Meters. All coordinates and measurements in this report will be presented in UTM 16N, NAD83, GRS80, Meters, unless otherwise stated. The results of this Aerial Triangulation solution are sufficient to support ASPRS Class 2 five foot contours.

Collections: 12

Collection Dates: January 2nd, 6th, 9th, and 29th, March 8th, 9th, 16th, and 17th, 2007

Ground Sample Distance (GSD): 1 pixel is equal to 2 ft

Flight Level(s): 18900 ft above mean terrain (AMT)

Camera Type: Leica ADS40

Camera Serial Number(s): SP9, SP19

All imagery for the collection of was acquired on the dates January 2nd, 6th, 9th, and 29th, March 8th, 9th, 16th, and 17th, 2007 from an altitude of 18901 ft above mean terrain (AMT). The resulting Ground Sample Distance (GSD) of 1 pixel is equal to 2 ft of ground coverage. Fugro EarthData, Inc. acquired all photography using the Leica ADS40 digital airborne sensor, serial number(s) SP9, SP19, each with a calibrated focal length of 62.77 mm. The entire project collection was completed with a total of 12 lift(s).

PROCESS DATE 2009-09-22

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

CONTACT POSITION Project Manager

CONTACT ADDRESS

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PROCESS STEP

PROCESS DESCRIPTION

Stereo pairs generated from the 2' GSD orthoimagery, were used for compiling the breaklines and mass points.

Breaklines were captured along water features and designate closed marsh, other open water and other water bodies (i.e. streams) were captured to the standard cartographic specifications for 400-scale mapping.

Supporting compiled features include a 200' post grid of mass points and other required breaklines necessary to support generation of 5' Class II contours. Breaklines were placed in such locations as sharp peaks and valleys, cliffs, drop offs, cut, fill, road crowns, drainage features, etc. It should be noted that these supplemental breaklines were compiled on an as-needed basis only, and will not serve as a complete transportation or other planimetric data layer. Breaklines were placed to suitably define the terrain for the contours to meet the accuracy standard. Following breakline compilation, extraneous mass points may have been eliminated near breakline features that take precedence for contour generation. As a result, the final deliverable mass point data set may have isolated areas that do not comply with the nominal 200' spacing.

SOURCE USED CITATION ABBREVIATION
Ground Control

SOURCE USED CITATION ABBREVIATION
Aerial Imagery

PROCESS DATE 2010

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

CONTACT POSITION Project Manager

CONTACT ADDRESS

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POSTAL CODE 21704

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PROCESS STEP

PROCESS DESCRIPTION

Following compilation and editing of the mass points and breaklines, a triangulated irregular network (TIN) was generated as the first step in contour generation. Using the resulting TIN, the contours were generated at a 5' interval. The 5-foot contours were auto-generated using TerraModeler software running on MicroStation. The TIN is considered a production product only and will not be delivered. All resulting contour datasets were translated from MicroStation to ArcInfo geodatabase meeting the requirements of the client supplied database schema.

PROCESS DATE 2010

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

CONTACT POSITION Project Manager

CONTACT ADDRESS
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ADDRESS 7320 Executive Way
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STATE OR PROVINCE MD
POSTAL CODE 21704
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CONTACT FACSIMILE TELEPHONE 301-963-2064
CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com

PROCESS STEP

PROCESS DESCRIPTION

In areas with water above normal levels the elevation was established where the water was at its lowest point on either end of the high water. The elevation was then computed on either end to establish flow direction. Water direction was checked at inflows from side streams as well and flow direction was verified.

PROCESS DATE 2010

PROCESS CONTACT

CONTACT INFORMATION
CONTACT ORGANIZATION PRIMARY
CONTACT ORGANIZATION Fugro Earthdata, Inc.
CONTACT POSITION Project Manager
CONTACT ADDRESS

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CITY Frederick
STATE OR PROVINCE MD
POSTAL CODE 21704
COUNTRY UNITED STATES

CONTACT VOICE TELEPHONE 301-948-8550
CONTACT FACSIMILE TELEPHONE 301-
HOURS OF SERVICE 8-5 M-F

PROCESS STEP

PROCESS DESCRIPTION

The aerial imagery acquisition for the Mississippi Statewide project (Part A) was flown to support the creation of digital orthophotography with a 2' GSD. The imagery was acquired in 31 lifts consisting of 285 lines running east, west. The imagery was flown at 18,900 feet above mean terrain. Imagery was flown with a 30% overlap between flight lines. All imagery was collected using the Leica ADS40 digital pushbroom sensor. The aerial imagery acquisition for Part B MS was flown to support the creation of digital orthophotography with a 2ft GSD. The imagery was acquired in 6 lifts consisting of 116 lines running east, west. The imagery was flown at 18900 Des. Alt AGL (ft). Imagery was flown with a 30% overlap between flight lines. All imagery was collected using the Leica ADS40 digital pushbroom sensor.

PROCESS DATE 2006

PROCESS STEP

PROCESS DESCRIPTION

Metadata imported.

SOURCE USED CITATION ABBREVIATION

C:\Final_Files_to_use\MS_contours.xml

CLOUD COVER 0

Hide Data Quality ▲

HORIZONTAL COORDINATE SYSTEM DEFINITION

PLANAR

PLANAR COORDINATE INFORMATION

PLANAR COORDINATE ENCODING METHOD coordinate pair

COORDINATE REPRESENTATION

ABSCISSA RESOLUTION 0.000328

ORDINATE RESOLUTION 0.000328

PLANAR DISTANCE UNITS survey feet

GEODETTIC MODEL

HORIZONTAL DATUM NAME D_North_American_1983_HARN

ELLIPSOID NAME Geodetic Reference System 80

SEMI-MAJOR AXIS 6378137.000000

DENOMINATOR OF FLATTENING RATIO 298.257222

VERTICAL COORDINATE SYSTEM DEFINITION

ALTITUDE SYSTEM DEFINITION

ALTITUDE DATUM NAME North American Vertical Datum of 1988

ALTITUDE RESOLUTION 0.000328

ALTITUDE DISTANCE UNITS Feet

ALTITUDE ENCODING METHOD Explicit elevation coordinate included with horizontal coordinates

Hide Spatial Reference ▲

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL Contour

ENTITY TYPE DEFINITION

Lines

ENTITY TYPE DEFINITION SOURCE Fugro EarthData, Inc.

ATTRIBUTE

ATTRIBUTE LABEL OBJECTID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE ESRI

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL SOURCE_DATADESC

ATTRIBUTE DEFINITION

Aerial Imagery

ATTRIBUTE DEFINITION SOURCE Fugro EarthData

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN
Imagery

ATTRIBUTE

ATTRIBUTE LABEL DATA_SECURITY

ATTRIBUTE DEFINITION

Security classification code

ATTRIBUTE DEFINITION SOURCE National data model values

ATTRIBUTE DOMAIN VALUES

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 0

ENUMERATED DOMAIN VALUE DEFINITION

Unknown

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

National data Model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1

ENUMERATED DOMAIN VALUE DEFINITION

top secret

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

National data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 2

ENUMERATED DOMAIN VALUE DEFINITION

secret

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

National data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 3

ENUMERATED DOMAIN VALUE DEFINITION

confidential

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 4

ENUMERATED DOMAIN VALUE DEFINITION

restricted

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 5

ENUMERATED DOMAIN VALUE DEFINITION

unclassified

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 6

ENUMERATED DOMAIN VALUE DEFINITION

Sensitive

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ATTRIBUTE VALUE ACCURACY INFORMATION

ATTRIBUTE VALUE ACCURACY 5

ATTRIBUTE VALUE ACCURACY EXPLANATION

unclassified

ATTRIBUTE MEASUREMENT FREQUENCY

Unknown

ATTRIBUTE

ATTRIBUTE LABEL DISTRIBUTION_POLICY
ATTRIBUTE DEFINITION
access and use constraints of data E4
ATTRIBUTE DEFINITION SOURCE national data model
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE A1
ENUMERATED DOMAIN VALUE DEFINITION
emergency service provider - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE A2
ENUMERATED DOMAIN VALUE DEFINITION
emergency service provider - bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE A3
ENUMERATED DOMAIN VALUE DEFINITION
emergency service provider - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE A4
ENUMERATED DOMAIN VALUE DEFINITION
emergency service provider - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE B1
ENUMERATED DOMAIN VALUE DEFINITION
government agencies or thier delegated agents - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE B2
ENUMERATED DOMAIN VALUE DEFINITION
government agencies or their delegated agents - bitmap display via web
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE B3
ENUMERATED DOMAIN VALUE DEFINITION
government agencies or their delegated agents - free distribution to third parties
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE B4
ENUMERATED DOMAIN VALUE DEFINITION
government agencies or their delegated agents - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE C1
ENUMERATED DOMAIN VALUE DEFINITION
other public or educational institutions - internal use only
ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C2

ENUMERATED DOMAIN VALUE DEFINITION

other public or educational institutions bitmap display via web

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C3

ENUMERATED DOMAIN VALUE DEFINITION

other public or educational institutions - free distributions to third parties

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE C4

ENUMERATED DOMAIN VALUE DEFINITION

other public or educational institutions - free distribution to third parties via internet

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE D1

ENUMERATED DOMAIN VALUE DEFINITION

data contributors - internal use only

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE D2

ENUMERATED DOMAIN VALUE DEFINITION

data contributors - bitmap display via internet

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE D3

ENUMERATED DOMAIN VALUE DEFINITION

data contributors - free distribution to third parties

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE D4

ENUMERATED DOMAIN VALUE DEFINITION

data contributors - free distribution to third parties via internet

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE E1

ENUMERATED DOMAIN VALUE DEFINITION

Public domain - internal use only

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE E2

ENUMERATED DOMAIN VALUE DEFINITION

Public domain - bitmap display via web

ENUMERATED DOMAIN VALUE DEFINITION SOURCE

national data model

ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE E3

ENUMERATED DOMAIN VALUE DEFINITION

Public domain - free distribution to third parties

ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE E4
ENUMERATED DOMAIN VALUE DEFINITION
Public domain - free distribution to third parties via internet
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ATTRIBUTE VALUE ACCURACY INFORMATION
ATTRIBUTE VALUE ACCURACY 4
ATTRIBUTE VALUE ACCURACY EXPLANATION
Public domain - free distribution to third parties via internet
ATTRIBUTE MEASUREMENT FREQUENCY
None planned

ATTRIBUTE
ATTRIBUTE LABEL LOADDATE
ATTRIBUTE DEFINITION
Date
ATTRIBUTE DEFINITION SOURCE ESRI
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE Date
ENUMERATED DOMAIN VALUE DEFINITION
Image capture and processing date
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
Date of service

ATTRIBUTE
ATTRIBUTE LABEL QUALITY
ATTRIBUTE DEFINITION
Attribute code on the quality of the data base on MDEM standards
ATTRIBUTE DEFINITION SOURCE national data model
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 1
ENUMERATED DOMAIN VALUE DEFINITION
MDEM
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
National Data Model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 2
ENUMERATED DOMAIN VALUE DEFINITION
Non MDEM
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 0
ENUMERATED DOMAIN VALUE DEFINITION
unknown
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ATTRIBUTE VALUE ACCURACY INFORMATION
ATTRIBUTE VALUE ACCURACY 1
ATTRIBUTE VALUE ACCURACY EXPLANATION
MDEM
ATTRIBUTE MEASUREMENT FREQUENCY
None planned

ATTRIBUTE
ATTRIBUTE LABEL CONTOURINTERVAL
ATTRIBUTE DEFINITION
Elevation of lines
ATTRIBUTE DEFINITION SOURCE Microstation
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Label defining the features.

ATTRIBUTE
ATTRIBUTE LABEL CONTOURDESCRIPTION
ATTRIBUTE DEFINITION
Representation of elevation
ATTRIBUTE DEFINITION SOURCE ESRI
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Description of features.

ATTRIBUTE
ATTRIBUTE LABEL CONTOURTYPE
ATTRIBUTE DEFINITION
Contour
ATTRIBUTE DEFINITION SOURCE Microstation
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 1
ENUMERATED DOMAIN VALUE DEFINITION
index contour
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
Every 5th contour for cartography
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 2
ENUMERATED DOMAIN VALUE DEFINITION
Intermediate Contour lines
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
4 contours between index

ATTRIBUTE
ATTRIBUTE LABEL CONTOURUNITS
ATTRIBUTE DEFINITION
feet
ATTRIBUTE DEFINITION SOURCE Microstation
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Unit of measure

ATTRIBUTE
ATTRIBUTE LABEL SCALE
ATTRIBUTE DEFINITION
1:4800
ATTRIBUTE DEFINITION SOURCE national data model
ATTRIBUTE DOMAIN VALUES
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 0
ENUMERATED DOMAIN VALUE DEFINITION
unknown or scale NA
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN

ENUMERATED DOMAIN VALUE 1
ENUMERATED DOMAIN VALUE DEFINITION
small scale
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 2
ENUMERATED DOMAIN VALUE DEFINITION
medium scale
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ENUMERATED DOMAIN
ENUMERATED DOMAIN VALUE 3
ENUMERATED DOMAIN VALUE DEFINITION
large scale
ENUMERATED DOMAIN VALUE DEFINITION SOURCE
national data model
ATTRIBUTE VALUE ACCURACY INFORMATION
ATTRIBUTE VALUE ACCURACY 2
ATTRIBUTE VALUE ACCURACY EXPLANATION
medium
ATTRIBUTE MEASUREMENT FREQUENCY
None planned

ATTRIBUTE
ATTRIBUTE LABEL Elevation
ATTRIBUTE DEFINITION
height above sea level
ATTRIBUTE DEFINITION SOURCE database
ATTRIBUTE DOMAIN VALUES

ATTRIBUTE
ATTRIBUTE LABEL Level
ATTRIBUTE DEFINITION
Microstation designation
ATTRIBUTE DEFINITION SOURCE Microstation
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Microstation level

ATTRIBUTE
ATTRIBUTE LABEL Shape_Length
ATTRIBUTE DEFINITION
Length of feature in internal units.
ATTRIBUTE DEFINITION SOURCE ESRI
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Positive real numbers that are automatically generated.

[Hide Entities and Attributes ▲](#)

DISTRIBUTOR
CONTACT INFORMATION
CONTACT ORGANIZATION PRIMARY
CONTACT ORGANIZATION Mississippi Geospatial Clearinghouse, Mississippi Department
Information Technology Service
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COUNTRY UNITED STATES

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CONTACT FACSIMILE TELEPHONE (601) 354-6016
HOURS OF SERVICE 8:00 - 5:00

RESOURCE DESCRIPTION Mississippi Statewide Digital Terrain Model (DTM) and Contour Mapping 2006-2007

DISTRIBUTION LIABILITY

The Mississippi Office of Geology provides the data to any interested party as is in the present format.

STANDARD ORDER PROCESS

DIGITAL FORM

DIGITAL TRANSFER INFORMATION

FORMAT NAME ARCE

FORMAT VERSION NUMBER gdb

FORMAT SPECIFICATION

available in a variety of formats

DIGITAL TRANSFER OPTION

ONLINE OPTION

COMPUTER CONTACT INFORMATION

NETWORK ADDRESS

NETWORK RESOURCE NAME <http://www.gis.ms.gov>

OFFLINE OPTION

OFFLINE MEDIA portable hard drive

RECORDING CAPACITY

RECORDING DENSITY 1

RECORDING DENSITY UNITS NA

RECORDING FORMAT MS

COMPATIBILITY INFORMATION

MS

FEES none

ORDERING INSTRUCTIONS

see Geospatial Clearinghouse website for instructions.

AVAILABLE TIME PERIOD

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2010

Hide Distribution Information ▲

METADATA DATE 2011-02-20

METADATA REVIEW DATE 2010-08-10

METADATA CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION Fugro EarthData, Inc.

CONTACT PERSON John Knowlton

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CONTACT ELECTRONIC MAIL ADDRESS jknowlton@earthdata.com
HOURS OF SERVICE Monday through Friday, 8:30am to 5:00pm

METADATA STANDARD NAME FGDC Content Standards for Digital Geospatial Metadata
METADATA STANDARD VERSION FGDC-STD-001-1998
METADATA TIME CONVENTION local time

METADATA USE CONSTRAINTS

None

METADATA EXTENSIONS

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

PROFILE NAME ESRI Metadata Profile

METADATA EXTENSIONS

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

PROFILE NAME ESRI Metadata Profile

[Hide Metadata Reference ▲](#)