Breaklines

File Geodatabase Feature Class

Thumbnail Not Available

Tags
elevation, Digital Elevation Model, Digital Terrain Model, DTM, Topography, Altitude, Height, Breaklines

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 addtional 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   Breaklines

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   Breaklines
  * 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   57.049886
    * MAXIMUM VALUE   399.279844

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   2159999.999841
  * EAST LONGITUDE   2409999.999840
  * SOUTH LATITUDE   1090000.000040
  * NORTH LATITUDE   1290000.000302
  * 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   0.00328083333333333
    Z TOLERANCE   0.00328083333333333
    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["G CS_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_Meridia n",-
    90.33333333333333],PARAMETER["Scale_Factor",0.99995],PARAMETER["Latitude_Of_O rigin",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   Breaklines
    * OBJECT TYPE   composite
    * OBJECT COUNT   247759

  Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES   ▶
  FEATURE CLASS NAME   Breaklines
    * FEATURE TYPE   Simple
    * GEOMETRY TYPE   Polyline
    * HAS TOPOLOGY   FALSE
    * FEATURE COUNT   247759

* **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 Breaklines ►
* **TYPE** Feature Class
* **ROW COUNT** 247759
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

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 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 Level ▶
  * ALIAS   Level
  * DATA TYPE   Double
  * WIDTH   8
  * 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

Length of feature in internal units.

ESRI

Positive real numbers that are automatically generated.

Hide Field SHAPE_Length ▲

Hide Details for object Breaklines ▲

DETAILS FOR OBJECT **MassPoints** ▶
DEFINITION
Ground points

DEFINITION SOURCE
Fugro EarthData, Inc.

FIELD ▶
FIELD DESCRIPTION
Points

DESCRIPTION SOURCE
Compilation

DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

Hide Field ▲

Hide Details for object MassPoints ▲

DETAILS FOR OBJECT **MassPoints** ▶
DEFINITION
Ground points

DEFINITION SOURCE
Fugro EarthData, Inc.

FIELD ▶
  FIELD DESCRIPTION
    Points

  DESCRIPTION SOURCE
    Compilation

  DESCRIPTION OF VALUES
    Sequential unique whole numbers that are automatically generated.

  Hide Field ▲

  Hide Details for object MassPoints ▲

DETAILS FOR OBJECT Contour ▶
  DEFINITION
    Generated contours

  DEFINITION SOURCE
    Fugro EarthData, Inc.

  FIELD ▶
  FIELD DESCRIPTION
    Contours

  DESCRIPTION SOURCE
    Compilation

  DESCRIPTION OF VALUES
    Positive real numbers that are automatically generated.

  Hide Field ▲

  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   15:02:49
LAST MODIFIED IN ARCGIS FOR THE ITEM   2015-10-01   08:42:45

AUTOMATIC UPDATES
HAVE BEEN PERFORMED   Yes
LAST UPDATE   2015-10-01   08:42:45

Hide Metadata Details ▲

FGDC Metadata (read-only) ▼

CITATION
CITATION INFORMATION
ORIGINATOR   Fugro EarthData, Inc.
PUBLICATION DATE   2010
PUBLICATION TIME   Unknown
TITLE
Breaklines
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\Counti
es\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 addtional
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: he 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   Breaklines

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 measurment 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 methodolgy 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
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
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
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

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
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

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
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

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
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-
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_breaklines.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

GEODETIC 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   Breaklines
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 distibutions 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 - internall 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   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   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.

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL   MassPoints
ENTITY TYPE DEFINITION
Ground points
ENTITY TYPE DEFINITION SOURCE   Fugro EarthData, Inc.

ATTRIBUTE
ATTRIBUTE DEFINITION
Points
ATTRIBUTE DEFINITION SOURCE   Compilation
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL   MassPoints

ENTITY TYPE DEFINITION
Ground points
   ENTITY TYPE DEFINITION SOURCE   Fugro EarthData, Inc.

      ATTRIBUTE
   ATTRIBUTE DEFINITION
Points
   ATTRIBUTE DEFINITION SOURCE   Compilation
   ATTRIBUTE DOMAIN VALUES
   UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.

         DETAILED DESCRIPTION
   ENTITY TYPE
   ENTITY TYPE LABEL   Contour
   ENTITY TYPE DEFINITION
Generated contours
   ENTITY TYPE DEFINITION SOURCE   Fugro EarthData, Inc.

      ATTRIBUTE
   ATTRIBUTE DEFINITION
Contours
   ATTRIBUTE DEFINITION SOURCE   Compilation
   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
      CONTACT ADDRESS
   ADDRESS TYPE   physical address
   ADDRESS   301 N. Lamar Street, Suite 508
   CITY   Jackson
   STATE OR PROVINCE   MS
   POSTAL CODE   39201-1495
   COUNTRY   UNITED STATES

      CONTACT VOICE TELEPHONE   (601) 359-1395
      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
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

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