Adams_2D_Contours_1ft

Type File Geodatabase Feature Class

Tags Digital Elevation Model, Topography, Altitude, Height, Contour, Elevation, elevation

Summary

The purpose of this project was to develop Mississippi statewide contour generation of 1 and 2 Feet from Digital Elevation Model (DEM).

Description

This metadata record describes the production of a Digital Elevation Model (DEM) and contours for the state of Mississippi. The DEM was compiled at a scale 4 feet resolution from LIDAR from a statewide project. LIDAR Data contribution from Mississippi Department Environmental Quality LIDAR acquisition occurred in T2016_Southwest Lidar. The following contributed to the Mississippi Statewide dataset: 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 -91.651242 East -91.150283

North 31.751379 South 31.192816

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

Topics and Keywords ►

Themes or categories of the resource Elevation

Content type ⇔ Downloadable Data

Theme keywords Digital Elevation Model, Topography, Altitude, Height, Contour, Elevation

Theme keywords elevation

Thesaurus ►

Title ISO 19115 Topic Categories

Citation ►

Title Adams_2D_Contours_1ft

Presentation formats digital map
FGDC geospatial presentation format vector digital data

Resource Details ►

Dataset languages ⇔ English (UNITED STATES)

Spatial representation type vector

Processing environment Esri ArcGIS 13.2.0.49743

ArcGIS item properties
Name ⇔ Adams_2D_Contours_1ft
Location ⇔ file://\\GIS-LENOVO\C$\PK_Work\Contours_QCA\Adams_Contours_MSW_ft.gdb
Access protocol ⇔ Local Area Network

Extents ►

Extent
Geographic extent
Bounding rectangle
West longitude -91.651242
East longitude -91.150284
North latitude 31.751376
South latitude 31.192835
Extent contains the resource Yes

Extent
Geographic extent
Bounding rectangle
Extent type
Extent used for searching
West longitude ⇔ -91.651242
East longitude ⇔ -91.150283
North latitude ⇔ 31.751379
South latitude ⇔ 31.192816
Extent contains the resource ⇔ Yes

Extent in the item's coordinate system
westBL ⇔ 1886897.437779
eastBL ⇔ 2041141.679815
southBL ⇔ 618085.712243
northBL ⇔ 819802.397392
exTypeCode ⇔ Yes

Resource Constraints ►

Constraints

Limitations of use

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

Spatial Reference ►

ArcGIS coordinate system

Type ⇔ Projected

Geographic coordinate reference ⇔ GCS_North_American_1983

Projection ⇔ NAD_1983_StatePlane_Mississippi_West_FIPS_2302_Feet

Coordinate reference details ⇔

ProjectedCoordinateSystem

WKID 102695

XOrigin -17463400

YOrigin -43523900

XYScale 3048.0060960121928

ZOrigin -100000

ZScale 10000

MOrigin -100000

MScale 10000

XYTolerance 0.0032808333333333331

ZTolerance 0.001

MTolerance 0.001

HighPrecision true

LatestWKID 2255

WKT

PROJCS["NAD_1983_StatePlane_Mississippi_West_FIPS_2302_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",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",2255]]

Reference system identifier

Value ⇔ 2255

Codespace ⇔ EPSG

Version ⇔ 5.3(9.0.0)

Spatial Data Properties ►

Vector ►

Level of topology for this dataset ⇔ geometry only

Geometric objects

Feature class name Adams_2D_Contours_1ft
Object type ⇔ composite
Object count ⇔ 606500

ArcGIS Feature Class Properties ►
Feature class name Adams_2D_Contours_1ft
Feature type ⇔ Simple
Geometry type ⇔ Polyline
Has topology ⇔ FALSE
Feature count ⇔ 606500
Spatial index ⇔ TRUE
Linear referencing ⇔ FALSE

Geoprocessing history ►

Process
Process name
Date 2024-07-24 16:20:42
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Spatial Analyst Tools.tbx\Contour
Command issued

```
Contour Adams_DEM_Final "C:\Users\lavaskiec\OneDrive - Trilon Group Family of Companies\Documents\ArcGIS\Projects\Contour Development\Adams\Adams_Contours.gdb\Adams_Contours_2D_1ft" 1 0 1 Contour #
```

Include in lineage when exporting metadata No

Process
Process name
Date 2024-07-24 21:53:40
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Cartography Tools.tbx\SmoothLine
Command issued

```
SmoothLine Adams_Contours_2D_1ft "C:\Users\lavaskiec\OneDrive - Trilon Group Family of Companies\Documents\ArcGIS\Projects\Contour Development\Adams\Adams_Contours.gdb\Adams_Contours_1ft_Smooth_50ft" "Polynomial Approximation with Exponential Kernel (PAEK)" "50 Feet" FIXED_CLOSED_ENDPOINT "Do not check for topological errors" #
```

Include in lineage when exporting metadata No

Process
Process name
Date 2024-07-25 15:01:23
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\Project
Command issued

```
Project "Adams County\Adams_Contours_1ft_Smooth_50ft" "C:\Users\lavaskiec\OneDrive - Trilon Group Family of Companies\Documents\ArcGIS\Projects\Contour Development\Adams_Contours_MSW_ft.gdb\Contours_2D\Adams_Contours_1ft_Smooth_50ft"
```

PROJCS["NAD_1983_StatePlane_Mississippi_West_FIPS_2302_Feet",GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",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",0.30480060960121920]]
'WGS_1984_(ITRF08)_To_NAD_1983_2011 + WGS_1984_(ITRF00)_To_NAD_1983'
PROJCS["NAD_1983_2011_StatePlane_Mississippi_West_FIPS_2302_Ft_US",GEOGCS["GCS_NAD_1983_2011",DATUM["D_NAD_1983_2011",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",2296583.333],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-90.3333333333333],PARAMETER["Scale_Factor",0.99995],PARAMETER["Latitude_Of_Origin",29.5],UNIT["Foot_US",0.30480060960121920]],VERTCS["NAVD88_height_(ftUS)",VDATUM["North_American_Vertical_Datum_1988"],PARAMETER["Vertical_Shift",0.0],PARAMETER["Direction",1.0],UNIT["Foot_US",0.30480060960121920]] NO_PRESERVE_SHAPE # NO_VERTICAL

Include in lineage when exporting metadata No

Process

Process name

Date 2024-07-25 16:13:48

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Analysis Tools.tbx\Clip

Command issued

```
Clip "Adams County\Adams_Contours_1ft_Smooth_50ft" "Adams County\Adams_Boundary" "C:\Users\lavaskiec\OneDrive - Trilon Group Family of Companies\Documents\ArcGIS\Projects\Contour Development\Adams_Contours_MSW_ft.gdb\Contours_2D\Adams_Contours_1ft_Smooth_50ft_clip" #
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-01-04 20:35:59

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CopyMultiple

Command issued

```
CopyMultiple "C:\PK_Work\Contours_QCA\DEM\Adams_Contours_MSW_ft.gdb\Contours_2D\Adams_Contours_1ft_Smooth_50ft_clip FeatureClass" C:\PK_Work\Contours_QCA\Adams_Contours_MSW_ft.gdb\Contours_2D Adams_Contours_1ft_Smooth_50ft_clip "Adams_Contours_1ft_Smooth_50ft_clip FeatureClass Adams_Contours_1ft_Smooth_50ft_clip #"
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-01-04 20:36:29

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\Rename

Command issued

```
Rename
C:\PK_Work\Contours_QCA\Adams_Contours_MSW_ft.gdb\Contours_2D\Adams_Contours_1ft_Smooth_50ft_clip
C:\PK_Work\Contours_QCA\Adams_Contours_MSW_ft.gdb\Contours_2D\Adams_2D_Contours_1ft FeatureClass
```

Include in lineage when exporting metadata No

Process

Process name

Date 2025-01-04 20:37:42

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\UpdateSchema

Command issued

```
UpdateSchema "CIMDATA=<CIMFeatureDatasetDataConnection
xsi:type='typens:CIMFeatureDatasetDataConnection'
xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xmlns:xs='http://www.w3.org/2001/XMLSchema'
xmlns:typens='http://www.esri.com/schemas/ArcGIS/3.2.0'><FeatureDataset>Contours_2D</FeatureDataset><WorkspaceConnectionString>DATABASE=C:\PK_Work\Contours_QCA\Adams_Contours_MSW_ft.gdb</WorkspaceConnectionString><WorkspaceFactory>FileGDB</WorkspaceFactory><Dataset>Adams_2D_Contours_1ft</Dataset><DatasetType>esriDTFeatureClass</DatasetType></CIMFeatureDatasetDataConnection>"
"<operationSequence><workflow><AddField><field_name>DATA_SECURITY</field_name><field_type>SHORT</field_type><field_alias>Data_Security</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required><field_domain>Sec_Classification
Domain</field_domain><field_default_value>0</field_default_value></AddField></workflow><workflow><AddField><field_name>DISTRIBUTION_POLICY</field_name><field_type>TEXT</field_type><field_length>4</field_length><field_alias>Distribution_Policy</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required><field_domain>Distribution_Policy
Domain</field_domain><field_default_value>E4</field_default_value></AddField></workflow><workflow><AddField><field_name>LOADDATE</field_name><field_type>DATE</field_type><field_alias>LOADDATE</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required></AddField></workflow><workflow><AddField><field_name>CONTOURINTERVAL</field_name><field_type>LONG</field_type><field_alias>CONTOURINTERVAL</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required><field_domain>ContourInterval
Domain</field_domain></AddField></workflow><workflow><AddField><field_name>CONTOURTYPE</field_name><field_type>LONG</field_type><field_alias>CONTOURTYPE</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required><field_domain>ContourType
Domain</field_domain><field_default_value>1</field_default_value></AddField></workflow><workflow><AddField><field_name>CONTOURUNITS</field_name><field_type>LONG</field_type><field_alias>CONTOURUNITS</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required><field_domain>ContourUnits
Domain</field_domain></AddField></workflow><workflow><AddField><field_
```

name>Elevation</field_name><field_type>DOUBLE</field_type><field_alias>Elevation</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required></AddField></workflow><workflow><AddField><field_name>COUNTY_NAME</field_name><field_type>TEXT</field_type><field_length>100</field_length><field_alias>COUNTY_NAME</field_alias><field_is_nullable>True</field_is_nullable><field_is_required>False</field_is_required></AddField></workflow></operationSequence>"

Include in lineage when exporting metadata No

Process

Process name Calculate Field (2)

Date 2025-01-04 20:43:36

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField

Command issued

```
CalculateField Adams_2D_Contours_1ft DATA_SECURITY 5 Python # Text NO_ENFORCE_DOMAINS
```

Include in lineage when exporting metadata No

Process

Process name Calculate Field (3)

Date 2025-01-04 20:43:58

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField

Command issued

```
CalculateField Adams_2D_Contours_1ft DISTRIBUTION_POLICY "E4" Python # Text NO_ENFORCE_DOMAINS
```

Include in lineage when exporting metadata No

Process

Process name LoadDaate

Date 2025-01-04 20:44:16

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField

Command issued

```
CalculateField Adams_2D_Contours_1ft LOADDATE "08/09/2024" Python # Text NO_ENFORCE_DOMAINS
```

Include in lineage when exporting metadata No

Process

Process name ContourINterval

Date 2025-01-04 20:44:33

Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField

Command issued

```
CalculateField Adams_2D_Contours_1ft CONTOURINTERVAL 1 Python # Text NO_ENFORCE_DOMAINS
```

Include in lineage when exporting metadata No

Process

Process name Calculate Field (8)
Date 2025-01-04 20:44:51
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField
Command issued
```
CalculateField Adams_2D_Contours_1ft CONTOURUNITS 1 Python # Text NO_ENFORCE_DOMAINS
```
Include in lineage when exporting metadata No

Process

Process name Calculate Field (9)
Date 2025-01-04 20:45:13
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField
Command issued
```
CalculateField Adams_2D_Contours_1ft Elevation !Contour! Python # Text NO_ENFORCE_DOMAINS
```
Include in lineage when exporting metadata No

Process

Process name ContourType
Date 2025-01-04 20:45:35
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField
Command issued
```
CalculateField Adams_2D_Contours_1ft CONTOURTYPE getVal(!Elevation!) Python "def getVal(Elevation): if Elevation%5 == 0: return 2 else: return 1" Text NO_ENFORCE_DOMAINS
```
Include in lineage when exporting metadata No

Process

Process name CountyName
Date 2025-01-04 20:45:53
Tool location c:\program files\arcgis\pro\Resources\ArcToolbox\toolboxes\Data Management Tools.tbx\CalculateField
Command issued
```
CalculateField Adams_2D_Contours_1ft COUNTY_NAME "Adams" Python # Text NO_ENFORCE_DOMAINS
```
Include in lineage when exporting metadata No

Distribution ►

Distribution format
Name ⇔ File Geodatabase Feature Class

Fields ►

Details for object Adams_2D_Contours_1ft ►
Type ⇔ Feature Class

Row count ⇔ 606500

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.

Field Shape ►
Alias ⇔ Shape
Data type ⇔ Geometry
Width ⇔ 0
Precision ⇔ 0
Scale ⇔ 0

Field description
Feature geometry.

Description source
Esri

Description of values
Coordinates defining the features.

Field Id ►
Alias ⇔ Id
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field Contour ►
Alias ⇔ Contour
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field InLine_FID ►

Alias ⇔ InLine_FID
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

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.

Field DATA_SECURITY ►

Alias ⇔ Data_Security
Data type ⇔ SmallInteger
Width ⇔ 2
Precision ⇔ 0
Scale ⇔ 0

Field DISTRIBUTION_POLICY ►

Alias ⇔ Distribution_Policy
Data type ⇔ String
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field LOADDATE ►

Alias ⇔ LOADDATE
Data type ⇔ Date
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field CONTOURINTERVAL ►

Alias ⇔ CONTOURINTERVAL
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field CONTOURTYPE ►

Alias ⇔ CONTOURTYPE
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field CONTOURUNITS ►

Alias ⇔ CONTOURUNITS
Data type ⇔ Integer
Width ⇔ 4
Precision ⇔ 0
Scale ⇔ 0

Field Elevation ►

Alias ⇔ Elevation
Data type ⇔ Double
Width ⇔ 8
Precision ⇔ 0
Scale ⇔ 0

Field COUNTY_NAME ►

Alias ⇔ COUNTY_NAME
Data type ⇔ String
Width ⇔ 100
Precision ⇔ 0
Scale ⇔ 0

Metadata Details ►

Metadata language ⇔ English (UNITED STATES)
Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset
Scope name ⇔ dataset

Last update ⇔ 2025-01-04

ArcGIS metadata properties
Metadata format ArcGIS 1.0

Standard or profile used to edit metadata ItemDescription

Created in ArcGIS for the item 2025-01-04 20:35:59
Last modified in ArcGIS for the item 2025-01-04 20:50:12

Automatic updates
Have been performed Yes
Last update 2025-01-04 20:50:03