

Montana 1:250,000 scale digital elevation model
Montana State Library
GIS Data Dictionary

Metadata for Montana 1:250,000 scale digital elevation model

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Full FGDC-compliant Metadata

Identification_Information:

Citation

Originator: Montana State Library
Publication_Date: 08/08/1992
Title: Montana 1:250,000 scale digital elevation model

Description

Abstract:

Digital elevation model Grid for Montana, from Defense Mapping Agency 3-arc second 1x1 degree 1:250,000 scale Digital Elevation Models.

Purpose:

Display and analysis of terrain.

Time_Period_of_Content

Beginning_Date: 01/01/1950
Ending_Date: 01/01/1975

Access_Constraints:

None

Use_Constraints:

Not for use at scales greater than 1/250,000.

Native_Data_Set_Environment:

Arc/Info version 7.2.1 - SunOS version 5.7 and Windows NT
Pathname = /montana/land/dem64

Data_Quality_Information:

Attribute_Accuracy_Report:

See Vertical Accuracy.

Completeness_Report:

None

Horizontal_Positional_Accuracy_Report:

90 percent probability of 130 meter accuracy.

Vertical_Positional_Accuracy_Report:

90 percent probability of 30 meter accuracy.

See also: <http://nsdi.usgs.gov/nsdi/wais/maps/dem1deg.HTML>.
and http://edcwww.cr.usgs.gov/glis/hyper/guide/1_dgr_dem.

Lineage

Source_Information

Originator: Defense Mapping Agency
Publication_Date: 01/01/1975
Title: 1-degree Digital Elevation Models
Publication_Information
Publication_Place: Reston, VA
Publisher: U.S. Geologic Survey
Source_Scale_Denominator: 250000
Type_of_Source_Media: Unknown
Source_Time_Period_of_Content
Calendar_Date: 01/01/1950
Source_Citation_Abbreviation: dma
Source_Contribution:

The data set was derived from this source.

Process_Step

Process_Description:

Convert DEMs to Arc/Info format and merge all Montana data into one grid. Performed by the Montana Information Services Division. (This caused data to be resampled from original 64x95 meter grid to 64x64 meters.)

Source_Used_Citation_Abbreviation: dma
Process_Date: 01/01/1992
Source_Produced_Citation_Abbreviation: isd

Process_Step

Process_Description:

Project data to Albers. Clip grid to a six-mile buffer around Montana's boundary.

Source_Used_Citation_Abbreviation: isd
Process_Date: 08/01/1992
Source_Produced_Citation_Abbreviation: fin

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster

Raster_Object_Information

Raster_Object_Type: Point
Row_Count: 8385
Column_Count: 14553

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition

Grid_Coordinate_System_Name: State Plane Coordinate System 1983
SPCS_Zone_Identifier: 2500
Map_Projection_Name: Lambert Conformal Conic
Standard_Parallel: 45
Standard_Parallel: 49
Longitude_of_Central_Meridian: -109.5
Latitude_of_Projection_Origin: 44.25
False_Easting: 600000
False_Northing: 0
Planar_Distance_Units: meters

Geodetic_Model
Horizontal_Datum_Name: North American Datum of 1983
Vertical_Coordinate_System_Definition
Altitude_Datum_Name: NGVD29
Altitude_Distance_Units: METERS

Distribution_Information:

Metadata_Reference_Information:
Metadata_Date: 11/27/1992
Metadata_Review_Date: 09/26/1996
Metadata_Contact: Gerry Daumiller