

Merged 10 Meter DEM Image

Metadata:

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Identification Information:

Citation:

Citation Information:

Originator: Black Hills National Forest

Publication Date: 20050705

Title:

Merged 10 Meter DEM Image

Edition: one

Geospatial Data Presentation Form: remote-sensing image

Publication Information:

Publication Place: Custer, South Dakota

Publisher: Black Hills National Forest

Other Citation Details:

Forest Data Location: j:/fsfiles/ref/library/gis/forest/blkh/dem/grids/bhdem10.img

Larger Work Citation:

Citation Information:

Publication Information:

Description:

Abstract:

The Digital Elevation Model Layer for the Black Hills National Forest.

Purpose:

The boundaries were collected by USFS Geometronics and Technology Service Center for use in spatial analysis.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 2005

Ending Date: 20050419

Currentness Reference:

publication date

Status:

Progress: Complete

Maintenance and Update Frequency: None planned

Spatial Domain:

Bounding Coordinates:

West Bounding Coordinate: -104.756162

East_Bounding_Coordinate: -103.217109

North_Bounding_Coordinate: 44.877174

South_Bounding_Coordinate: 43.242328

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USDA Forest Service

Theme_Keyword: GIS Data

Theme_Keyword: Spatial Data

Theme_Keyword: Elevation

Theme_Keyword: DEM

Theme_Keyword: slope

Theme_Keyword: aspect

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: United States

Place_Keyword: Midwest

Place_Keyword: South Dakota

Place_Keyword: Black Hills National Forest

Place_Keyword: Custer County

Place_Keyword: Pennington County

Place_Keyword: Meade County

Place_Keyword: Fall River County

Place_Keyword: Lawrence County

Place_Keyword: Wyoming

Place_Keyword: Crook County

Place_Keyword: Weston County

Access_Constraints: None

Use_Constraints:

Data may be viewed and used by any and all entities upon request. However, data should not be changed or modified by anyone other than the originating National Forest. The USFS does not guarantee the accuracy of this data.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person: Lorrie Martinez

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

25041 North Hwy 16

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673- 9254

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Hours_of_Service: Monday-Friday 7:30am to 5:00pm, Mountain Standard Time

Native_Data_Set_Environment:

Microsoft Windows 2000 Version 5.0 (Build 2195) Service Pack 3; ESRI ArcCatalog 9.0.0.535

Cross_Reference:

Citation_Information:

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

See attached individual quad metadata document in metadata properties.

Logical_Consistency_Report:

See attached individual quad metadata document in metadata properties.

Completeness_Report:

Contains elevation data for forest boundary and surrounding quads.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

See attached individual quad metadata document in metadata properties.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

See attached individual quad metadata document in metadata properties.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: USDA Geometronics and Technology Service Center.

Edition: one

Geospatial_Data_Presentation_Form: map

Publication_Information:

Publication_Place: Custer, South Dakota

Publisher: Black Hills National Forest

Online_Linkage: [ArcInfo](#)

Larger_Work_Citation:

Citation_Information:

Publication_Information:

Source_Scale_Denominator: 1

Type_of_Source_Media: on-line

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 2004

Ending_Date: 20050419

Source_Currentness_Reference:

publication date

Process_Step:

Process_Description:

This layer is a mosaic of all 10-meter Digital Elevation Modules for the Black Hills National Forest area. The resulting layer is in ESRI ArcInfo grid format. The individual quad DEMs were merged using ESRI ArcInfo Grid mosaic command.

Process_Date: 2005

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Todd Mills

Contact_Organization: Black Hills National Forest

Contact_Position: GIS Specialist

Contact_Address:

Address_Type: mailing and physical address

Address:

25041 North Hwy 16

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9264

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: tmills@fs.fed.us

Hours_of_Service: Monday-Friday 7:30am to 5:00pm, Mountain Standard Time

Process_Step:

Process_Description:

See attached individual quad metadata document in metadata properties for original processing method.

Process_Step:

Process_Description:

Data was re-projected to UTM, Zone 13, NAD83, Meters

Process_Date: 20050419

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez

Contact_Organization: USDA Black Hills National Forest

Contact_Position: Forest GIS Coordinator

Contact_Voice_Telephone: 605-673-9254

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

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Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Raster

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 102

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Label point

Point_and_Vector_Object_Count: 293

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 292

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 4

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Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 13

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999600

Longitude_of_Central_Meridian: -105.000000

Latitude_of_Projection_Origin: 0.000000

False_Easting: 500000.000000

False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: row and column

Coordinate_Representation:

Abscissa_Resolution: 10.000000

Ordinate_Resolution: 10.000000

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

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Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: Band_1

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: Value

Attribute_Definition:

Elevation value of the pixe.

Attribute:

Attribute_Label: Count

Attribute_Definition:

Count of pixels matching the unique value.

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Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person: Lorrie Martinez

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

25041 North Hwy 16

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9254

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Hours_of_Service: Monday-Friday 7:30am to 5:00pm, Mountain Standard Time

Resource_Description: Downloadable Data

Distribution_Liability:

DISCLAIMER: The Forest Service uses the most current and complete data available. GIS data and product accuracy may vary. They may be: developed from sources of differing accuracy, accurate only at certain scales, based on modeling or interpretation, incomplete while being created or revised, etc. Using GIS products for purposes other than those for which they were created, may yield inaccurate or misleading results. The Forest Service reserves the right to correct, update, modify, or replace, GIS products without notification. For more information, contact the Black Hills National Forest at (605) 673-9200.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.000

Digital_Transfer_Option:

Online_Option:

Access_Instructions:

<http://www.fs.fed.us/r2/blackhills/projects/gis/downloads/dem30.exe>

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Metadata_Reference_Information:

Metadata_Date: 20050721

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person: Lorrie Martinez

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

25041 North Hwy 16

City: Custer

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Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Hours_of_Service: Monday-Friday 7:30am to 5:00pm, Mountain Standard Time

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

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

Profile_Name: ESRI Metadata Profile

Metadata_Extensions:

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