

# Merged 10 Meter DEM Image

## Metadata:

- [Identification Information](#)
  - [Data Quality Information](#)
  - [Spatial Data Organization Information](#)
  - [Spatial Reference Information](#)
  - [Entity and Attribute Information](#)
  - [Distribution Information](#)
  - [Metadata Reference Information](#)
- 

### 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

[Back to Top](#)

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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

[Back to Top](#)

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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

[Back to Top](#)

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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.

[Back to Top](#)

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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>

[Back to Top](#)

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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

*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

*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*:

*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

*Metadata\_Extensions*:

*Online\_Linkage*: <http://www.esri.com/metadata/esriprof80.html>

*Profile\_Name*: ESRI Metadata Profile

[Back to Top](#)