

Black Hills National Forest Watersheds

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IDENTIFICATION_INFORMATION

Citation:

Citation_Information:

Originator: Black Hills National Forest

Publication_Date: 20010608

Title: Black Hills National Forest Watersheds

Edition: Two

Geospatial_Data_Presentation_Form: Map

Publication_Information:

Publication_Place: Custer, SD

Publisher: Black Hills National Forest

Other_Citation_Details:

Online_Linkage:

http://www.fs.fed.us/incoming/r2/bhnf/Core_Coverages/watershed.zip

Larger_Work_Citation:

Citation_Information:

Originator:

Publication_Date:

Title:

Publication_Information:

Publication_Place:

Publisher:

Online_Linkage:

Description:

Abstract:

The boundaries for the 1st through 9th level watersheds on the Black Hills National Forest

Purpose:

This coverage was created as part of the Forest Plan Revision effort for the Black Hills National Forest

Supplemental_Information:

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 200000214

Ending_Date: 20010608

Currentness_Reference: Publication Date

Status:

Progress: In work

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -105.9203

East_Bounding_Coordinate: -102.1349

North_Bounding_Coordinate: 45.1814

South_Bounding_Coordinate: 42.9272

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: GIS

Theme_Keyword: water

Theme_Keyword: watershed

Theme_Keyword: HUC

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: United States

Place_Keyword: Midwest

Place_Keyword: South Dakota

Place_Keyword: Black Hills

Place_Keyword: Custer

Access_Constraints:

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: Monte Williams

Contact_Position: Forest Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 25041 N Hwy 16

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9231

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: mlwilliams01@fs.fed.us

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

Native_Data_Set_Environment:

Arc/Info coverage format

/fsfiles/ref/library/gis/forest/blkh/physical/watershed

shapefile: watersheds.shp

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DATA_QUALITY_INFORMATION

Attribute_Accuracy:

Attribute_Accuracy_Report:

All attributes were verified during the creation process by manually comparing hardcopy maps to known or desired boundaries and through acreage reports.

Logical_Consistency_Report:

There are no duplicate features in this coverage or in the database. There are no overshoots, undershoots or dangling arcs unless desired and each feature has only one label point. The database is run through error checking routines

before being considered frozen.

Completeness_Report:

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The data were created by delineating the boundary from a USGS Primary Base Series quadrangle at 1:24000 scale. Therefore the horizontal accuracy is assumed to be within National Map Accuracy Standards.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

The data were created by delineating the boundary from a USGS Primary Base Series quadrangle at 1:24000 scale. Therefore the vertical accuracy is assumed to be within National Map Accuracy Standards.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Black Hills National Forest
Publication_Date: 20010608
Title: Black Hills National Forest Ownership
Edition: Two
Geospatial_Data_Presentation_Form: map

Publication_Information:

Publication_Place: Custer, SD
Publisher: Black Hills National Forest

Other_Citation_Details:

Online_Linkage: ArcInfo

Larger_Work_Citation:

Citation_Information:

Originator:
Publication_Date:
Title:
Publication_Information:
Publication_Place:
Publisher:
Online_Linkage:

Source_Scale_Denominator: 1

Type_of_Source_Media: Stable Base Material; On-line

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:
Beginning_Date: 20000214
Ending_Date: 20010608

Source_Currentness_Reference: Publication Date

Source_Citation_Abbreviation:

Source_Contribution:

Vector Data representing Forest watersheds

Process_Step:

Process_Description:

Huc 1, 2, 3, and 4 lines were retrieved from the USGS and redigitized online with digital base quadrangles as the background. HUC 5,6,7, and 8 lines were originally drafted on a 1:24,000 mylar overlay with base quadrangle maps as the background. Huc 9 lines were on-line digitized with Digital base quadrangle maps as backgrounds.

Source_Used_Citation_Abbreviation:

Process_Date:

Source_Produced_Citation_Abbreviation:

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person: Monte Williams

Contact_Position: Forest Hydrologist

Contact_Address:

Address_Type: mailing and physical address

Address: 25041 N Hwy 16

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9231

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: mlwilliams01@fs.fed.us

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

Time

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SPATIAL_DATA_ORGANIZATION_INFORMATION

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 5761

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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: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 0.001000

Ordinate_Resolution: 0.001000

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

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Resolution: 1.000000

Altitude_Encoding_Method:

Explicit elevation coordinate included with horizontal coordinates

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ENTITY_AND_ATTRIBUTE_INFORMATION

Detailed_Description:

Entity_Type:

Entity_Type_Label: watershed.pat (watersheds.dbf)

Entity_Type_Definition: Polygon Attribute Table

Entity_Type_Definition_Source: None

Attribute:

Attribute_Label: Area

Attribute_Definition: Area of polygon

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

Software computed

Attribute:

Attribute_Label: Perimeter

Attribute_Definition: Perimeter of polygon

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

Software computed

Attribute:

Attribute_Label: Watershed#

Attribute_Definition: Internal feature number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

Software computed

Attribute:

Attribute_Label: Watershed-id

Attribute_Definition: Feature identification number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

User Defined

Attribute:

Attribute_Label: Huc9

Attribute_Definition: Hydrologic Unit Code for 9th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc

Attribute_Definition: Hydrologic Unit Code for the 6th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Watershed

Attribute_Definition: Hydrologic Unit Code for the 6th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc1

Attribute_Definition: Hydrologic Unit Code for 1st level watershed

Attribute_Definition_Source: USGS Generated

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc2

Attribute_Definition: Hydrologic Unit Code for 2nd level watershed

Attribute_Definition_Source: USGS Generated

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc3

Attribute_Definition: Hydrologic Unit Code for 3rd level watershed

Attribute_Definition_Source: USGS Generated

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc4

Attribute_Definition: Hydrologic Unit Code for 4th level watershed

Attribute_Definition_Source: USGS Generated

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc5

Attribute_Definition: Hydrologic Unit Code for 5th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc6

Attribute_Definition: Hydrologic Unit Code for 6th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc7

Attribute_Definition: Hydrologic Unit Code for 7th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Huc8

Attribute_Definition: Hydrologic Unit Code for 8th level watershed

Attribute_Definition_Source: Created based on HUC Coding Guidelines

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

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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 N 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:

Black Hills National Forest Watersheds

Distribution_Liability:

The USDA Forest Service manages this data for planning purposes, not necessarily for actual on the ground implementation. The USFS is in no way condoning or endorsing the application of these data for any given

purpose. It is the sole responsibility of the user to determine whether or not the data are suitable for the intended purpose. It is also the obligation of the user to apply those data in an appropriate and conscientious manner. The USFS provides no warranty, nor accepts any liability occurring from any incorrect, incomplete, or misleading data, or from any incorrect, incomplete, or misleading use of these data. Much of the USFS data are based on and maintained with ARC/INFO software developed by Environmental Systems Research Institute (ESRI). Much of the information presented uses conventions and terms popularized by ARC/INFO and its user community. USFS in no way represents the interests of ESRI.

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METADATA_REFERENCE_INFORMATION

Metadata_Date:

Metadata_Review_Date:

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 N 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 CSDGM

Metadata_Standard_Version: FGDC-STD-001-1998

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