

Black Hills National Forest Boundary

Metadata:

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Identification Information:

Citation:

Citation Information:

Originator: Black Hills National Forest

Publication Date: 20080408

Title:

Black Hills National Forest Boundary

Geospatial Data Presentation Form: vector digital data

Publication Information:

Publication Place: Custer, South Dakota

Publisher: Black Hills National Forest

Online Linkage:

<\\SV1608\dfsroot\fsfiles\ref\library\gis\forest\blkh\admin\boundary>

Larger Work Citation:

Citation Information:

Originator:

Publication Date:

Title:

Publication Information:

Publication Place:

Publisher:

Online Linkage:

Description:

Abstract:

The boundary for the Black Hills National Forest.

Purpose:

The boundaries were collected as part of the existing vegetation layer for the Black Hills (RMRIS) which was made coincident with GPS land status surveys.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 20010214

Ending_Date: 20080408

Currentness_Reference:

publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -104.725354

East_Bounding_Coordinate: -103.255945

North_Bounding_Coordinate: 44.797021

South_Bounding_Coordinate: 43.270017

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: GIS

Theme_Keyword: Forest Service

Theme_Keyword: USDA Forest Service

Theme_Keyword: boundary

Theme_Keyword: administrative lines

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: User needs to exercise caution regarding the spatial accuracy of these data. Land Stat Plats are ultimately the official version of the boundary lineage.

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:

Contact_Position: Land Surveyor

Contact_Address:

Address_Type: mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

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 8.3.0.800

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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:

ArcInfo clean, error and attribute checking process were completed on the coverage. Polygon geometry has been topologically built.

Completeness_Report:

The boundaries are dependant on non-forest administrative boundary delineated utilizing the Primary Base Series quadrangle maps.

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

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: Stable-base material; direct digital digitizing

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 200005

Ending_Date: 20080408

Source_Currentness_Reference:

publication date

Source_Contribution:

Vector data the Black Hills National Forest boundary.

Process_Step:

Process_Description:

The lines were originally drafted on a 1:24000 mylar overlay with base quadrangle maps as the background. These were scanned into MOSS using LTPlus. These were then transferred from MOSS into ArcInfo.

Process_Date: 19990710

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Resource Information Specialist

Contact_Address:

Address_Type: mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: r2_blackhills_webinfo@fs.fed.us

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

Process_Step:

Process_Description:

Arcs were updated in 2001/2002 by contractors and Forest GIS Specialists. The updates were completed to implement the existing

coincident heirarcy. Data source utilize include, GPS survey data, existing watershed arcs, roads, streams and Digital Orthophotograpy.

Process_Date: 2001

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Resource Information Specialist

Contact_Address:

Address_Type: mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: r2_blackhills_webinfo@fs.fed.us

Process_Step:

Process_Description:

Arcs were then dissolved based on an attribute which determined the difference between NFS and other ownerships. Data was then again made coincident with GPS survey land status arcs.

Process_Date: 20020523

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: r2_blackhills_webinfo@fs.fed.us

Process_Step:

Process_Description:

Data was re-projected to the UTM, Zone 13, NAD83, Meters projection using ESRI ArcInfo 8.3 Software.

Process_Date: 20050425

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Process_Step:

Process_Description:

Small polygon of the Mystic District Office in downtown Rapid City was removed. This should never have been part of the official forest boundary.

Process_Date: 20080408

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Process_Step:

Process_Description:

Metadata imported.

Source_Used_Citation_Abbreviation:

C:\DOCUME~1\lmartine\LOCALS~1\Temp\xml777.tmp

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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: Complete chain
Point_and_Vector_Object_Count: 114
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Label point
Point_and_Vector_Object_Count: 93
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains
Point_and_Vector_Object_Count: 93
SDTS_Terms_Description:
SDTS_Point_and_Vector_Object_Type: Point
Point_and_Vector_Object_Count: 264

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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: 0.000256
Ordinate_Resolution: 0.000256
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: boundary.aat
Attribute:

Attribute_Label: FID

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: Shape

Attribute_Definition:

Feature geometry.

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: FNODE#

Attribute_Definition:

Internal node number for the beginning of an arc (from-node).

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Whole numbers that are automatically generated.

Attribute:

Attribute_Label: TNODE#

Attribute_Definition:

Internal node number for the end of an arc (to-node).

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Whole numbers that are automatically generated.

Attribute:

Attribute_Label: LPOLY#

Attribute_Definition:

Internal node number for the left polygon.

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Whole numbers that are automatically generated.

Attribute:

Attribute_Label: RPOLY#

Attribute_Definition:

User-defined feature number. (Not utilized by the user)

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: LENGTH

Attribute_Definition:

Used to determine if the polygon is inside or outside the Forest Boundary.

Attribute_Definition_Source:

Local Forest

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Black Hills

Enumerated_Domain_Value_Definition:

Polygon is inside of the forest boundary.

Enumerated_Domain:

Enumerated_Domain_Value: NULL

Enumerated_Domain_Value_Definition:

Polygon is outside the forest boundary.

Unrepresentable_Domain:

Positive real numbers that are automatically generated.

Attribute:

Attribute_Label: GIS_ACRES

Attribute_Definition:

User calculated field to provide acres for the polygon. (area * 0.0002471054)

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

numeric value of the acres for the polygon

Attribute:

Attribute_Label: BOUNDARY-ID

Attribute_Definition:

User-defined feature number.

Attribute_Definition_Source:

ESRI

Detailed_Description:

Entity_Type:

Entity_Type_Label: boundary.pat

Attribute:

Attribute_Label: FID

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: Shape

Attribute_Definition:

Feature geometry.

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Coordinates defining the features.

Attribute:

Attribute_Label: AREA

Attribute_Definition:

Area of feature in internal units squared.

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Positive real numbers that are automatically generated.

Attribute:

Attribute_Label: PERIMETER

Attribute_Definition:

Perimeter of feature in internal units.

Attribute_Definition_Source:

ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Positive real numbers that are automatically generated.

Attribute:

Attribute_Label: BOUNDARY#

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: BOUNDARY-ID

Attribute_Definition:

User-defined feature number.

Attribute_Definition_Source:

ESRI

Attribute:

Attribute_Label: BOUNDARY

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Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: r2_blackhills_webinfo@fs.fed.us

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

Resource_Description: Black Hills National Forest Boundary.

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: 0.173

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

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

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Metadata_Reference_Information:

Metadata_Date: 20050701

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

Contact_Person:

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: Mailing and physical address

Address:

1019 North 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9200

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: r2_blackhills_webinfo@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

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