Black Hills National Forest Boundary

Metadata:

- **Identification Information**
- **Data Quality Information**
- **Spatial Data Organization Information**
- **Spatial Reference Information**
- **Entity and Attribute Information**
- **Distribution Information**
- **Metadata Reference Information**

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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:


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: 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 quadrange 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 quadrange 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 hierarchy. Data source utilize include, GPS survey data, existing watershed arcs, roads, streams and Digital Orthophotography.

*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
Contact_Organization_Primary: Black Hills National Forest
Contact_Organization: Black Hills National Forest
Contact_Person: Forest GIS Coordinator
Contact_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_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
Contact_Organization_Primary: Black Hills National Forest
Contact_Organization: Black Hills National Forest
Contact_Person: Forest GIS Coordinator
Contact_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_Description: Metadata imported.
Source_Used_Citation_Abbreviation: C:\DOCUME~1\lmartine\LOCALS~1\Temp\xml777.tmp

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
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:
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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:

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_orProvince: 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_Time_Convention: local time
Metadata_Extensions:
Online_Linkage: http://www.esri.com/metadata/esriprof80.html
Profile_Name: ESRI Metadata Profile