

Forest Plan Management Areas

Metadata also available as

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Identification Information:

Citation:

Citation Information:

Originator: Black Hills National Forest

Publication Date: 19970502

Title: Forest Plan Management Areas

Edition: one

Geospatial Data Presentation Form: vector digital data

Publication Information:

Publication Place: Custer, South Dakota

Publisher: Black Hills National Forest

Online Linkage:

\\166.2.144.17\dfsroot\fsfiles\ref\library\gis\forest\blkh\admin\bh_ma06

Larger Work Citation:

Citation Information:

Publication Information:

Description:

Abstract:

The Forest Plan Management Areas for the Black Hills National Forest.

Purpose:

The boundaries were collected as part of the 1995 Forest Plan efforts for the Black Hills National Forest

Supplemental Information:

These boundaries are used for Forest planning purposes. A correction was made in 1997 to reflect the changes required by the Record of Decision dated May 2, 1997. Another correction was made in 2002 to incorporate land exchanges and other boundary corrections. See process steps for further documentation on the corrections. A Congressional addition to the Black Elk Wilderness was approved and implemented in 2002. Each year this layer is changed based on any ownership exchanges that occur. See process steps for further documentation.

Time Period of Content:

Time Period Information:

Range of Dates/Times:

Beginning Date: 19950710

Ending Date: 20060228

Currentness Reference: ending date

Status:

Progress: Complete

Maintenance and Update Frequency:

As needed. Changes may occur due to coincident features or based on more accurate data.

Spatial Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -104.725354

East_Bounding_Coordinate: -103.278064

North_Bounding_Coordinate: 44.797021

South_Bounding_Coordinate: 43.270335

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: USDA Forest Service

Theme_Keyword: GIS Data

Theme_Keyword: Spatial Data

Theme_Keyword: Management Areas

Theme_Keyword: Strategies

Theme_Keyword: Forest Plan

Theme_Keyword: boundary

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. Coincidence on this coverage has been completed for ownership and boundary but may not be completed for other forest spatial data layers. Features cannot be expected to align with all spatial data.

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: Jeff Ulrich

Contact_Position: Forest Planner

Contact_Address:

Address_Type: mailing and physical address

Address: 1019 N 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673- 9228

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: julrich@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

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

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

Logical_Consistency_Report:

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

Completeness_Report:

The boundaries are dependant on the forest admistrative boundary. Data is complete as of ending time period date.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

The data were created by delineating by on-screen digitizing by a resource specialist with knowledge of the ground using USGS Primary Base Series quadrangle at 1:24000 scale or 2 Meter Digital Orthoquad or collected with resource grade GPS unit, 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 by on-screen digitizing by a resource specialist with knowledge of the ground using USGS Primary Base Series quadrangle at 1:24000 scale or 2 Meter Digital Orthoquad or collected with resource grade GPS unit, therefore the horizontal 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: 1:24000

Type_of_Source_Media: on-line

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 19950410

Ending_Date: 19970502

Source_Currentness_Reference: publication date

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: 19990701

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Ron Calvird

Contact_Organization: Black Hills National Forest

Contact_Position: Resource Information Specialist

Contact_Address:

Address_Type: mailing and physical address

Address: 1019 N 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9249

Contact_Facsimile_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: rcalvird@fs.fed.us

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

Process_Step:

Process_Description:

A correction was made to the 1995 Management Areas based on the 1997 Record of Decision. These corrections were completed in 2000, utilizing hardcopy maps and direct digital digitizing.

Process_Date: 20000502

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez

Contact_Organization: Black Hills National Forest

Contact_Position: Forest GIS Coordinator

Contact_Voice_Telephone: 605-673-9249

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Process_Step:

Process_Description:

In an effort to improve the accuracy of planning data the Forest has recently made minor changes to the acreage totals of the management areas. The new values will be used in project analysis from this date on. These changes stem primarily from two sources. First, corrections to the database were made to resolve differences between two or more layers of data. These corrections will allow for a more consistent use of electronic data. Corrections were also made to the acreages of several management areas in and around Spearfish Canyon to better reflect the original intent in the 1997 Revised Forest Plan. Second, the database was updated to reflect recent land exchanges that have altered the boundaries and acreage of National Forest System lands administered by the Forest. The magnitude of the changes to management areas is generally small and is not expected to have measurable impacts on management, nor be noticeable to the public using the Forest. Details of changes are available on request from the Forest Geographic Information System (GIS) group. The following layers were used to bring the management area lines into coincidence with other priority coverages. Private Boundaries - were made coincident with the dissolved RIS ownership layer. It was then compared to the ALP status layer to determine land exchanges. Deletion/Addition of private land boundaries occurred when differences in layers was determined. Administrative Boundaries - The Forest boundary was made coincident with the dissolved RIS boundary layer and then compared to the ALP exterior boundary region layer to determine changes. Changes were made using Wyoming ALP PLSS layer. On the South Dakota Side, ALP lines were used to make changes. Non-Administrative Boundaries - ALP layer was used Roads, watersheds and vegetative boundaries were used when appropriate to make MA lines coincident.

Process_Date: 20020701

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Todd Mills

Contact_Organization: Black Hills National Forest

Contact_Position: GIS Specialist

Contact_Voice_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: tmills@fs.fed.us

Process_Step:

Process_Description:

On August 2, 2002, Congress approved an addition to the Black Elk Wilderness boundary. This addition removed acres from the Norbeck Wilderness area and modified the Scenic Byway boundary. The official documentation on this addition can be obtained by contacting the Lands Department at the Black Hills Supervisors Office. Roads, a picnic area and horsecamp were buffered at varying distances to be omitted from the wilderness addition. The Norbeck Scenic byway management area was then moved to the wilderness

addition boundary. The update, therefore, changed boundaries for the 5.4A (Norbeck Wildlife Preserve), the 1.1A (Black Elk Wilderness) and 4.2B (Norbeck Scenic Byway).

Process_Date: 20020816

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Todd Mills

Contact_Organization: Black Hills National Forest

Contact_Position: Forest GIS Specialist

Contact_Voice_Telephone: 605-673-9350

Contact_Electronic_Mail_Address: tmills@fs.fed.us

Process_Step:

Process_Description:

Data was reprojected from UTM, Zone 13, NAD27 to UTM, Zone 13, NAD83

Process_Date: 20050418

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez

Contact_Organization: Black Hills National Forest

Contact_Position: Forest GIS Coordinator

Contact_Voice_Telephone: 605-673-9254

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Process_Step:

Process_Description:

Data was reprojected from UTM, Zone 13, NAD27 to UTM, Zone 13, NAD83

Process_Date: 20050418

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez

Contact_Organization: Black Hills National Forest

Contact_Position: Forest GIS Coordinator

Contact_Voice_Telephone: 605-673-9254

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Process_Step:

Process_Description:

Ownership lines were dissolved out of a copy of this layer. This dissolved management area layer will be used was used to update land ownership changes. Updated ownership layer was unioned into the management area layer to produce updated management area layer (macro = create_mas.aml). This process will be repeated on a yearly basis as necessary.

Process_Date: 20050628

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez

Contact_Organization: Black Hills National Forest

Contact_Position: Forest GIS Coordinator

Contact_Voice_Telephone: 605-673-9254

Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Process_Step:

Process_Description:

Amendment 6 of the forest plan implemented a new management area. This area is designated to manage research natural areas. 2005 owner exchanges were also incorporated into this layer.

Process_Date: 20060228

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Lorrie Martinez
Contact_Organization: Black Hills National Forest
Contact_Position: Forest GIS Coordinator
Contact_Voice_Telephone: 605-673-9254
Contact_Electronic_Mail_Address: lamartinez@fs.fed.us

Process_Step:

Process_Description: Metadata imported.
Source_Used_Citation_Abbreviation: C:\DOCUME~1\lmartine\LOCALS~1\Temp\xml728.tmp

Process_Step:

Process_Description: Dataset copied.
Source_Used_Citation_Abbreviation: j:\fsfiles\ref\library\gis\forest\blkh\admin\bh_ma06

Process_Step:

Process_Description: Metadata imported.
Source_Used_Citation_Abbreviation: C:\gis\blkh\admin\bh_ma06\metadata.xml

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: 2640

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Label point
Point_and_Vector_Object_Count: 1474

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains
Point_and_Vector_Object_Count: 1473

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point
Point_and_Vector_Object_Count: 4

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: 0.000979

Ordinate_Resolution: 0.000979

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

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: bh_ma06.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: BH_MA05#

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: BH_MA05-ID

Attribute_Definition: User-defined feature number.

Attribute_Definition_Source: ESRI

Attribute:

Attribute_Label: MGT_TAG

Attribute_Definition: Designation of allowed management activities for the polygon

Attribute_Definition_Source: 1997 Forest Plan

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: 1.1A

Enumerated_Domain_Value_Definition: Black Elk Wilderness

Enumerated_Domain:

Enumerated_Domain_Value: 1.1A-2.2

Enumerated_Domain_Value_Definition: Research Natural Area within Black Elk Wilderness

Enumerated_Domain:

Enumerated_Domain_Value: 2.2

- Enumerated_Domain_Value_Definition:* Research Natural Areas
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 3.1
 - Enumerated_Domain_Value_Definition:* Botanical Areas
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 3.2A
 - Enumerated_Domain_Value_Definition:* Inyan Kara Mountain
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 3.31
 - Enumerated_Domain_Value_Definition:* Backcountry Motorized Recreation Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 3.32
 - Enumerated_Domain_Value_Definition:* Backcountry Non-motorized Recreation Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 3.7
 - Enumerated_Domain_Value_Definition:* Late Successional Forest Landscapes
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 4.1
 - Enumerated_Domain_Value_Definition:* Limited Motorized Use and Forest Product Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 4.2A
 - Enumerated_Domain_Value_Definition:* Spearfish Canyon
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 4.2B
 - Enumerated_Domain_Value_Definition:* Peter Norbeck Scenic Byway
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.1
 - Enumerated_Domain_Value_Definition:* Resource Production Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.1A
 - Enumerated_Domain_Value_Definition:* Southern Hills Forest and Grassland Area
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.2A
 - Enumerated_Domain_Value_Definition:* Fort Meade VA Hospital Watershed
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.3A
 - Enumerated_Domain_Value_Definition:* Black Hills Experimental Forest
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.3B
 - Enumerated_Domain_Value_Definition:* Sturgis Experimental Watershed
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.4
 - Enumerated_Domain_Value_Definition:* Big Game Winter Range Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.43
 - Enumerated_Domain_Value_Definition:* Big Game and Resource Production
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.4A
 - Enumerated_Domain_Value_Definition:* Norbeck Wildlife Preserve
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 5.6
 - Enumerated_Domain_Value_Definition:* Forest Products, Recreation and Big Game Emphasis
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* 8.2
 - Enumerated_Domain_Value_Definition:* Developed Recreation Complexes
- Enumerated_Domain:*
 - Enumerated_Domain_Value:* PVT
 - Enumerated_Domain_Value_Definition:* Private or Other Entity Ownership

Enumerated_Domain:

Enumerated_Domain_Value: WAT

Enumerated_Domain_Value_Definition: Water Covered Areas

Attribute:

Attribute_Label: GIS_ACRES

Attribute_Definition: User calculated field based on area * 0.0002471054

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: 1019 N 5th Street

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: 1.668

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name:

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

Metadata_Reference_Information:

Metadata_Date: 20060302

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: 1019 N 5th Street

City: Custer

State_or_Province: SD

Postal_Code: 57730

Country: USA

Contact_Voice_Telephone: 605-673-9254

Contact_Facsimile_Telephone: 605-673-9350

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