

Wells and Springs

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IDENTIFICATION_INFORMATION

Citation:

Citation_Information:

Originator: Black Hills National Forest

Publication_Date: 20000914

Title: Wells and Springs

Edition: One

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/stream.zip](http://www.fs.fed.us/incoming/r2/bhnf/Core_Coverages/stream.zip)

Larger_Work_Citation:

Citation_Information:

Originator:

Publication_Date:

Title:

Publication_Information:

Publication_Place:

Publisher:

Online_Linkage:

Description:

Abstract:

Wells and Springs for the Black Hills National Forest and Surrounding area

Purpose:

This coverage was created as part of the NRIS implementation process

Supplemental_Information:

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 20010415

Ending_Date: 20010515

Currentness_Reference: Publication Date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: As needed

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -104.7492

East_Bounding_Coordinate: -103.2352

North_Bounding_Coordinate: 44.8692

South_Bounding_Coordinate: 43.3032

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: GIS

Theme_Keyword: water

Theme_Keyword: wells

Theme_Keyword: springs

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Black Hills National Forest

Place_Keyword: Custer

Place_Keyword: Custer County

Place_Keyword: Fall River County

Place_Keyword: Meade County

Place_Keyword: Pennington County

Place_Keyword: South Dakota

Place_Keyword: Wyoming

Access_Constraints:

Use_Constraints:

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: Highway 385, RR 2, Box 200

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/office/sogis/hydro/forest/blkh/physical/wtr_point

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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: 19950710
Title: Black Hills National Forest Ownership
Edition: one
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: On line; Digital Base Quads

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:
Beginning_Date: 20010415
Ending_Date: 2001515

Source_Currentness_Reference: Publication Date

Source_Citation_Abbreviation:

Source_Contribution:

Point data representing springs and wells on the Black Hills National Forest and surrounding area

Process_Step:

Process_Description:

CFF point data was corrected to match digital base quadrangle maps in the background

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: Lorrie Martinez

Contact_Position: Forest GIS Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: Highway 385, RR 2, Box 200

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

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SPATIAL_DATA_ORGANIZATION_INFORMATION

Direct_Spatial_Reference_Method: Point

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 850

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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: wtr_point.pat

Entity_Type_Definition: Point 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: Wtr_point#

Attribute_Definition: Internal feature number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

Software computed

Attribute:

Attribute_Label: Wtr_point-id

Attribute_Definition: Feature identification number

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

User Defined

Attribute:

Attribute_Label: Nstrmpnt_cn

Attribute_Definition: Oracle generated control number used as a primary key

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Software generated

Attribute:

Attribute_Label: Point_id

Attribute_Definition: User supplied identifier for the point feature

Attribute_Definition_Source: BHNF definition

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Watershed

Attribute_Definition: Watershed that the point is located in

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Source

Attribute_Definition: Material that the date was generated from

Attribute_Definition_Source: Codes based on CFF digitizing guide

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Method

Attribute_Definition: Method used to develop the layer

Attribute_Definition_Source: Codes defined by BKHF

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Cff_code

Attribute_Definition: Code used to identify what kind of feature is represented by the point

Attribute_Definition_Source: CGG digitizing guide

Attribute_Domain_Values:

Unrepresentable_Domain: Numeric Field

Values in this coverage:

- 0 Unknown
- 194 Well or Drill Hole (excluding water)
- 196 Tanks/Tower Small
- 200 Gaging Station or Tide Station
- 201 Pumping Station, Small
- 426 Well, Water
- 427 Spring or Seep

Attribute:

Attribute_Label: Usgs_id

Attribute_Definition:

Attribute_Definition_Source:

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: Storet_id
Attribute_Definition:
Attribute_Definition_Source:
Attribute_Domain_Values:
 Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: State_id
Attribute_Definition:
Attribute_Definition_Source:
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: Highway 385, RR 2, Box 200

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:

Wells and Springs on the BKNF and surrounding area

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: 20010612

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: Highway 385, RR 2, Box 200

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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