

Streams

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IDENTIFICATION_INFORMATION

Citation:

Citation_Information:

Originator: Black Hills National Forest

Publication_Date: 20000914

Title: Streams

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:

Streams for the Black Hills National Forest including the surrounding 4th level watersheds

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: 20000214

Ending_Date: 20010512

Currentness_Reference: Publication Date

Status:

Progress: In work

Maintenance_and_Update_Frequency: Annually

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -105.9093

East_Bounding_Coordinate: -102.1599

North_Bounding_Coordinate: 45.1797

South_Bounding_Coordinate: 42.9370

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: fish habitat

Theme_Keyword: GIS

Theme_Keyword: Riparian

Theme_Keyword: streams

Theme_Keyword: water

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: United States

Place_Keyword: Midwest

Place_Keyword: South Dakota

Place_Keyword: Black Hills

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: 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

../../../../cell11.blkh.fs.fed.us/fs/fsfiles/ref/library/gis/forest/blkh/physical/stream

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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: Stable Base Material; Online

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 2000214

Ending_Date: 20010512

Source_Currentness_Reference: Publication Date

Source_Citation_Abbreviation:

Source_Contribution:

Vector Data representing Forest Streams

Process_Step:

Process_Description:

CFF stream lines were corrected online to match digital base quadrangles 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: 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

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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:

Point_and_Vector_Object_Count: 11780

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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

Attribute:

Attribute_Label: LENGTH

Attribute_Definition: Length of arc in meters

Attribute:

Attribute_Label: SOURCE

Attribute_Definition: source of the arc

0: Unknown

1: Original CFF

2: dig24K - Screen digitized with 1:24000 quads

Attribute:

Attribute_Label: METHOD

Attribute_Definition: Entry method.

01 = Original CFF

07 = dig24k

Attribute:

Attribute_Label: CFF_CODE

Attribute_Definition: Cartographic Feature File Code

0: Unknown

402: Stream, Perennial

403: Stream, Perennial, Double-line

405: Stream, Intermittent/Wash, Narrow

407: Stream, Disappearing

Attribute:

Attribute_Label: LLID

Attribute_Definition: 13 digit number representing the long/tat taken at the mouth of the stream

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:

Unrepresentable_Domain:

Software computed

Attribute:

Attribute_Label: STREAM_NM

Attribute_Definition: Name of the stream as represented within the Geographic Names Information System(GNIS).

Attribute_Definition_Source: Created using Digital Base quadrangles

Attribute_Domain_Values:

Unrepresentable_Domain: Character Field

Attribute:

Attribute_Label: ORDER_NC

Attribute_Definition: Stream order without crenulated streams.

Stream order (Strahler 1957) is determined by:

1. Beginning at the upper most stream in the watershed without a tributary, assign each stream a number of "1."
2. When two streams of order 1 come together, they form an order "2" stream. If an order 1 is tributary to an order 2, the stream below the intersection is still an order "2."
3. When two streams of order 2 come together, they form an order "3" stream.
4. This process continues and orders are increased until you reach the lower level in the watershed that you are interested in.

Attribute:

Attribute_Label: GNIS_ID

Attribute_Definition: Geographic Names Database ID

Attribute:

Attribute_Label: KILO_LENGTH

Attribute_Definition: Length of stream in Kilometers

Attribute_Definition_Source: Software generated

Attribute_Domain_Values:
Unrepresentable_Domain:
Software computed

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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 Streams

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

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METADATA_REFERENCE_INFORMATION

Metadata_Date: 20010611

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

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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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