

Large Historical Fire Polygons

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Identification_Information:

Citation:

Citation_Information:

Originator: USDA Black Hills National Forest

Publication_Date: 20090430

Title: Large Historical Fire Polygons

Edition: Two

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Custer, SD

Publisher: USDA Black Hills National Forest

Online_Linkage:

\\BLKHSV6\dfsroot\fsfiles\ref\library\gis\forest\blkh\fire\firehis_pl

Description:

Abstract:

This coverage contains existing large fire polygons. Some fires are still not captured on this layer due to lack of information available for historic fires. Spatial information for this layer is still being collected.

Purpose: To document all wildfire boundaries for historical purposes.

Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1910

Ending_Date: 20090430

Currentness_Reference: publication date

Status:

Progress: In work

Maintenance_and_Update_Frequency: Annually

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -104.573346

East_Bounding_Coordinate: -103.261712

North_Bounding_Coordinate: 44.791772

South_Bounding_Coordinate: 43.276772

Keywords:

Theme:

Theme_Keyword_Thesaurus: None
Theme_Keyword: GIS
Theme_Keyword: Fire
Theme_Keyword: Historical Information
Theme_Keyword: Catastrophic Events

Place:

Place_Keyword_Thesaurus: None
Place_Keyword: Black Hills National Forest
Place_Keyword: South Dakota
Place_Keyword: Wyoming
Place_Keyword: Custer County
Place_Keyword: Fall River County
Place_Keyword: Pennington County
Place_Keyword: Meade County
Place_Keyword: Lawerance County
Place_Keyword: Crook County
Place_Keyword: Weston County

Access_Constraints: None

Use_Constraints:

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.

*Point_of_Contact:**Contact_Information:*

Contact_Organization_Primary:
Contact_Organization: Black Hills National Forest
Contact_Position: Fire Management Officer
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

*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:

Using Arc/Info polygons have been built. The coverage has not been edited since the last build or clean. The following tolerances: Map units: Meters, Precision: Double, Fuzzy: 0.010, Dangle: 1.0

Completeness_Report: There are no unattributed polygons.

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 or utilizing resource grade Global Positioning Systems., 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 or utilizing resource grade Global Positioning Systems., therefore the vertical accuracy is assumed to be within National Map Accuracy Standards. National Map Accuracy Standards.

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: Black Hills National Forest

Publication_Date: 20090430

Source_Scale_Denominator: 1:24000

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20090430

Source_Currentness_Reference: publication date

Process_Step:

Process_Description:

Data is updated on an annual basis. Polygons are obtained mainly from GPS files provided by the fire support team. Some polygons may be screen digitized from hardcopy maps.

Process_Date: Annually

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

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

Process_Step:

Process_Description:

Data was created utilizing various data capture techniques. Data was obtained from GPS and from on-screen digitizing utilizing historical hardcopy maps.

Process_Date: September 2005

*Process_Contact:**Contact_Information:**Contact_Organization_Primary:*

Contact_Organization: Black Hills National Forest

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

Process_Step:

Process_Description: Metadata imported.

Source_Used_Citation_Abbreviation: C:\DOCUME~1\LAMART~1\LOCALS~1\Temp\xml2A.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: 1314

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Label point

Point_and_Vector_Object_Count: 383

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 377

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Point

Point_and_Vector_Object_Count: 4

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: Composite object

Point_and_Vector_Object_Count: 58

*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:* 0.001502*Ordinate_Resolution:* 0.001502*Planar_Distance_Units:* meters*Geodetic_Model:**Horizontal_Datum_Name:* North American Datum of 1983*Ellipsoid_Name:* Clarke 1866*Semi-major_Axis:* 6378206.400000*Denominator_of_Flattening_Ratio:* 294.978698*Entity_and_Attribute_Information:**Detailed_Description:**Entity_Type:**Entity_Type_Label:* firehis_pl.pat*Entity_Type_Definition:* Polygon Attribute Table*Entity_Type_Definition_Source:* None*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:* FIREHIS_PL#*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:* FIREHIS_PL-ID*Attribute_Definition:* User-defined feature number.*Attribute_Definition_Source:* ESRI*Attribute_Domain_Values:**Unrepresentable_Domain:* Character Field*Detailed_Description:**Entity_Type:**Entity_Type_Label:* firehis_pl.patfire*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:* FIRE#*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:* FIRE-ID*Attribute_Definition:* User-defined feature number.*Attribute_Definition_Source:* ESRI*Attribute:*

Attribute_Label: FIRE_NAME

Attribute_Definition: Official name given to the fire.

Attribute_Definition_Source: Local Forest

Attribute_Domain_Values:

Unrepresentable_Domain: Unique character value representing the name of the fire.

Attribute:

Attribute_Label: FIRE_YEAR

Attribute_Definition: Year in which the fire occurred as text field.

Attribute_Definition_Source: Local Forest

Attribute_Domain_Values:

Unrepresentable_Domain: Year in which the fire occurred as text field.

Attribute:

Attribute_Label: DATA_SOURC

Attribute_Definition: Source of spatial data, if known of the fire perimeter.

Attribute_Definition_Source: National GIS Core Layer Standards for Fire History.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: drg

Enumerated_Domain_Value_Definition: On-screen digitized utilizing DRGs in the background.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: gps

Enumerated_Domain_Value_Definition: Obtained via Global Positioning Systems

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: landsat

Enumerated_Domain_Value_Definition: Obtained from Landsat imagery.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: quickbird

Enumerated_Domain_Value_Definition: Obtained from Quickbird imagery.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: Megans research

Enumerated_Domain_Value_Definition: Research done by Megan Jaros, 2005.

Attribute_Domain_Values:

Enumerated_Domain:

Enumerated_Domain_Value: unk

Enumerated_Domain_Value_Definition: Unknown.

Attribute:

Attribute_Label: YEAR_NUM

Attribute_Definition: Year in which the fire occurred as a numeric field.

Attribute_Definition_Source: Local Forest

Attribute:

Attribute_Label: NOTES

Attribute_Definition: Notes pertaining to the spatial collection of the polygon

Attribute_Definition_Source: Local Forest

Attribute:

Attribute_Label: ACRES

Attribute_Definition: Total acres within the fire boundary.

Attribute_Definition_Source: Calculated based on area field.

*Attribute:**Attribute_Label:* FORBIGMAP*Attribute_Definition:*

Field used for mapping - yes/no if it should appear on the annual Historical Fire map for the Forest.

Attribute_Definition_Source: Local forest*Attribute:**Attribute_Label:* YEAR*Attribute_Definition:* Year in which the fire occurred as an integer field.*Attribute_Definition_Source:* Local Forest*Attribute:**Attribute_Label:* MAP_NAME*Attribute_Definition:* Combination of Fire Name and Year for use in Map Display*Attribute_Definition_Source:* Local Forest*Distribution_Information:**Distributor:**Contact_Information:**Contact_Organization_Primary:**Contact_Organization:* Black Hills National Forest*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*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:**Format_Name:* ESRI Shapefile*Format_Version_Number:* ArcGIS 9.2*File-Decompression_Technique:* Winzip*Transfer_Size:* 0.645*Digital_Transfer_Option:**Online_Option:**Computer_Contact_Information:**Network_Address:*

Network_Resource_Name:

ftp://ftp2.fs.fed.us/incoming/r2/bhnf/Core_Coverages/fire_hi

Access_Instructions:

Use FTP (File Transfer Protocol) or Internet connections to download file.

Metadata_Reference_Information:

Metadata_Date: 20090430

Metadata_Review_Date: 20090430

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: Black Hills National Forest

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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