

Interagency Fire Perimeter History



Tags

There are no tags for this item.

Summary

Final wildfire perimeters from authoritative agency datasets. Updated through calendar year 2020. Data maintained by the Wildland Fire Management Research, Development, & Application program data team.

Description

The national fire history perimeter data layer of conglomerated Agency Authoritative perimeters was developed in support of the WFDSS application and wildfire decision support for the 2021 fire season. The layer encompasses the final fire perimeters datasets of the USDA Forest Service, US Department of Interior Bureau of Land Management, Bureau of Indian Affairs, Fish and Wildlife Service, and National Park Service, the Alaska Interagency Fire Center, and CalFire. Perimeters are included thru the 2020 fire season. Requirements for fire perimeter inclusion, such as minimum acreage requirements, are set by the contributing agencies.

Data Input

Several data sources were used in the development of this layer:

Alaska fire history

USDA FS Regional Fire History Data

BLM Fire Planning and Fuels

National Park Service

Fish and Wildlife Service

Bureau of Indian Affairs

CalFire FRAS

This dataset implements the NWCG Wildland Fire Perimeters (polygon) data standard.
https://www.nwcg.gov/sites/default/files/stds/WildlandFirePerimeters_definition.pdf

Credits

National Interagency Fire Center. Data downloaded from <https://data-nifc.opendata.arcgis.com/datasets/nifc::interagency-fire-perimeter-history-all-years/about> on 8/27/21.

Use limitations

Fire perimeter data are often collected at the local level, and fire management agencies have differing guidelines for submitting fire perimeter data. Often data are collected by agencies only once annually. If you do not see your fire perimeters in this layer, they were not present in the sources used to create the layer at the time the data were submitted. A companion service for perimeters entered into the WFDSS application is also available, if a perimeter is found in the WFDSS service that is missing in this Agency Authoritative service or a perimeter is missing in both services, please contact the appropriate agency Fire GIS Contact listed in the table below.

Extent

West -178.841456 **East** -65.332579
North 70.159162 **South** 3.389165

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

ArcGIS Metadata

Topics and Keywords

* CONTENT TYPE Downloadable Data

Citation

TITLE Interagency Fire Perimeter History

PRESENTATION FORMATS * digital map

Resource Details

DATASET LANGUAGES * English (UNITED STATES)

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

CREDITS

National Interagency Fire Center. Data downloaded from <https://data-nifc.opendata.arcgis.com/datasets/nifc:interagency-fire-perimeter-history-all-years/about> on 8/27/21.

ARCGIS ITEM PROPERTIES

* NAME interagency_fire_perimeter_history
* LOCATION
* ACCESS PROTOCOL Local Area Network

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -178.841456
- * EAST LONGITUDE -65.332579
- * NORTH LATITUDE 70.159162
- * SOUTH LATITUDE 3.389165
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -19908539.780027
- * EAST LONGITUDE -7272789.432948
- * SOUTH LATITUDE 377500.288013
- * NORTH LATITUDE 11120717.798933
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

Fire perimeter data are often collected at the local level, and fire management agencies have differing guidelines for submitting fire perimeter data. Often data are collected by agencies only once annually. If you do not see your fire perimeters in this layer, they were not present in the sources used to create the layer at the time the data were submitted. A companion service for perimeters entered into the WFDSS application is also available, if a perimeter is found in the WFDSS service that is missing in this Agency Authoritative service or a perimeter is missing in both services, please contact the appropriate agency Fire GIS Contact listed in the table below.

Spatial Reference

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984
- * PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100
 X ORIGIN -22041257.952553775
 Y ORIGIN -30241100
 XY SCALE 144148035.48642668
 Z ORIGIN -100000
 Z SCALE 10000
 M ORIGIN -100000
 M SCALE 10000
 XY TOLERANCE 0.001
 Z TOLERANCE 0.001
 M TOLERANCE 0.001
 HIGH PRECISION true
 LATEST WELL-KNOWN IDENTIFIER 3857
 WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS
 ["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
 ["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
 ["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER
 ["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER
 ["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER
 ["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 3857
- * CODESPACE EPSG
- * VERSION 8.8(9.3.1.2)

Spatial Data Properties

VECTOR

* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME interagency_fire_perimeter_history
* OBJECT TYPE composite
* OBJECT COUNT 107867

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME interagency_fire_perimeter_history
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 107867
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT interagency_fire_perimeter_history

* TYPE Feature Class
* ROW COUNT 107867

FIELD FID

* ALIAS FID
* DATA TYPE OID
* WIDTH 4
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
 Internal feature number.

* DESCRIPTION SOURCE
 Esri

* DESCRIPTION OF VALUES
 Sequential unique whole numbers that are automatically generated.

FIELD SHAPE

* ALIAS SHAPE
* DATA TYPE Geometry
* WIDTH 0
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
 Feature geometry.

* DESCRIPTION SOURCE
 Esri

* DESCRIPTION OF VALUES
 Coordinates defining the features.

FIELD OBJECTID

- * ALIAS OBJECTID
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD MAP_METHOD

- * ALIAS Method of Mapping
- * DATA TYPE String
- * WIDTH 80
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Controlled vocabulary to define how the geospatial feature was derived. Map method may help define data quality.

GPS-Driven; GPS-Flight; GPS-Walked; GPS-Walked/Driven; GPS-Unknown Travel Method; Hand Sketch; Digitized-Image; Digitized-Topo; Digitized-Other; Image Interpretation; Infrared Image; Modeled; Mixed Methods; Remote Sensing Derived; Survey/GCDB/Cadastral; Vector; Other

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD DATE_CUR

- * ALIAS Date Updated
- * DATA TYPE String
- * WIDTH 12
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The last edit, update, of this GIS Record. Example: mm/dd/yyyy

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD COMMENTS

- * ALIAS Comments
- * DATA TYPE String
- * WIDTH 254
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Additional information describing the feature. Free Text.

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD GEO_ID

- * ALIAS GEO_ID
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Primary key for linking geospatial objects with other database systems. Required for every feature. This field may be renamed for each standard to fit the feature. Globally Unique Identifier (GUID).

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD IRWINID

- * **ALIAS** IRWIN Incident Dataset ID
- * **DATA TYPE** String
- * **WIDTH** 50
- * **PRECISION** 0
- * **SCALE** 0

FIELD DESCRIPTION

Primary key for linking to the IRWIN Incident dataset. The origin of this GUID is the wildland fire locations point data layer. (This unique identifier may NOT replace the GeometryID core attribute)

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD UNQE_FIRE_

- * **ALIAS** Unique Fire Identifier
- * **DATA TYPE** String
- * **WIDTH** 22
- * **PRECISION** 0
- * **SCALE** 0

FIELD DESCRIPTION

Unique fire identifier is the Year-Unit Identifier-Local Incident Identifier (yyyy-SSXXX-xxxxxx). SS = State Code or International Code, XXX or XXXX = A code assigned to an organizational unit, xxxxx = Alphanumeric with hyphens or periods. The unit identifier portion corresponds to the POINT OF ORIGIN RESPONSIBLE AGENCY UNIT IDENTIFIER (POOResponsibleUnit) from the responsible unit's corresponding fire report. Example: 2013-CORMP-000001

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD FIRE_YEAR

- * **ALIAS** Year Fire Started
- * **DATA TYPE** String
- * **WIDTH** 4
- * **PRECISION** 0
- * **SCALE** 0

FIELD DESCRIPTION

Calendar year in which the fire started. Example: 2013. Value is of type integer (FIRE_YEAR_INT).

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD LOCAL_NUM

- * **ALIAS** Local Incident Identifier (Dispatch Number)
- * **DATA TYPE** String
- * **WIDTH** 10
- * **PRECISION** 0
- * **SCALE** 0

FIELD DESCRIPTION

Local incident identifier (dispatch number). A number or code that uniquely identifies an incident for a particular local fire management organization within a particular calendar year. Field is string to allow for leading zeros when the local incident identifier is less than 6 characters. (IRWIN required). Example: 123456.

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD INCIDENT

- * ALIAS Incident Name
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The name assigned to an incident; assigned by responsible land management unit. (IRWIN required). Officially recorded name.

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD UNIT_ID

- * ALIAS Landowner/Jurisdictional Agency at Fire Origin
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

NWCG Unit Identifier of landowner/jurisdictional agency unit at the point of origin of a fire. (NFIRS ID should be used only when no NWCG Unit Identifier exists). Example: CORMP

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD POO_RESP_I

- * ALIAS Point of Origin Responsible Unit
- * DATA TYPE String
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

NWCG Unit Identifier (Code used in interagency wildland fire to uniquely identify a particular organizational unit (office administratively responsible for either managing incidents/projects, providing resources, or providing logistical services) within the government or a non-government organization

recognized by NWCG as a wildland fire cooperator) of agency with primary fire protection responsibility at the point of origin of a fire. National Fire Incident Reporting System (NFIRS) ID (ID which uniquely identifies a non-federal organizational unit) should be used only when no NWCG Unit Identifier exists.

Example: CORMP

DESCRIPTION SOURCE

NWCG Geospatial Data Layer Standard

FIELD FEATURE_CA

- * ALIAS Type of Wildfire
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Type of wildland fire polygon: Wildfire Final Fire Perimeter; Wildfire Daily Fire Perimeter; Prescribed Fire; Unknown

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD GIS_ACRES

- * ALIAS Acres
- * DATA TYPE Single
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

GIS calculated acres within the fire perimeter. Not adjusted for unburned areas within the fire perimeter. Total should include 1 decimal place. (ArcGIS: Precision=10; Scale=1). Example: 23.9

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD USER_NAME

- * ALIAS USER_NAME
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD SOURCE

- * ALIAS Source of Record
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

System/agency source of record from which the perimeter came.

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD AGENCY

- * ALIAS Agency Assigned for Fire
- * DATA TYPE String
- * WIDTH 10
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Agency assigned for this fire - should be based on jurisdiction at origin.

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD FIRE_YEAR_INT

- * ALIAS FIRE_YEAR_INT
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Calendar year in which the fire started. Example: 2013. Value is of type integer

DESCRIPTION SOURCE

National Interagency Fire Center

FIELD SHAPE_Length

- * ALIAS SHAPE_Length
- * DATA TYPE Double

- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Length of feature in internal units.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

FIELD SHAPE_Area

- * ALIAS SHAPE_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Area of feature in internal units squared.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Metadata Details

- * METADATA LANGUAGE English (UNITED STATES)
- * METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2021-08-31

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

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AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-08-31 09:10:05