

Alaska-specific Data Resources Available for Fire Behavior Analysis and GIS Support

Map and Feature Services from AICC / AFS:

The Alaska Interagency Coordination Center (AICC) / Alaska Fire Service (AFS) make a wide variety of Alaska-specific data available as map and feature services including, but not limited to:

- AK CFFDRS, AK FBFM40, and AK LANDFIRE EVT rasters.
- Predictive Services Areas and Fire Weather Zones, AK Weather Stations (from AKFF MesoWest).
- AK Wildland Fire Jurisdictions, Fire Management Options, Protection Responsibilities (aka Zones / Areas / Forests), Current Fire Ownerships, and Alaska Fire Plots.
- Fire Heat Points (**near-real-time data** from UAF - Geographic Network of Alaska), Fire History (points and polygons), current year Fire Locations (points) and Perimeters (polygons).
- AK Lightning (from the Alaska Lightning Detection System).

The AICC / AFS services are used extensively in [Alaska Wildland Fire Information](#) and similar web applications. However, users familiar with ArcMap or ArcGIS Pro are encouraged to access the map and feature services through their GIS application. Refer to Esri's **ArcMap** "[Connecting to ArcGIS Server](#)" or Esri's **ArcGIS Pro** "[Create an ArcGIS Server connection](#)" help documentation. The URL for AICC / AFS Services is:

<https://fire.ak.blm.gov/arcgis/rest/services/MapAndFeatureServices>

Near-real-time Satellite Imagery:

VIIRS Land Cover, VIIRS Fire Temperature, VIIRS Fire Color, and other geoTiffs are available from the University of Alaska - Geographic Information of Alaska (GINA). These data products provide information related to fire activity, fire extent, and smoke movement. **NOTE:** GIS software is needed to fully utilize these data.

URL: <http://hippy.gina.alaska.edu/distro/nrt/>

Alaska Known Sites Database (AKSD):

AKSD identifies infrastructure, cultural and natural resource sites throughout AK that may be threatened by wildfire. FBANs and LTANs may find these data useful input to WFDSS as points of interest and/or incident objective shapes. Users must have a NIFC-AGOL account to access this information and will need to be added to the appropriate NIFC Org Groups. Users needing NIFC-AGOL accounts should [fill out this form](#). After your NIFC-AGOL account is established, send an email to BLM_AK_AFS_GIS@blm.gov with "AKSD Access" in the subject line.

High Resolutions Imagery

Copernicus Open Access Hub (Sentinel-2 data)

The European Space Agency's Copernicus Program provides access to high-resolution imagery worldwide. Visit the [Open Access Hub User Guide](#) page to learn how to register for an account and access data.

EarthExplorer (Landsat 7, Landsat 8, and a limited selection of Sentinel-2 data)

URL: <https://earthexplorer.usgs.gov/>