Alaska Fire and Fuels Research Map

http://www.frames.gov/afsc/research_map

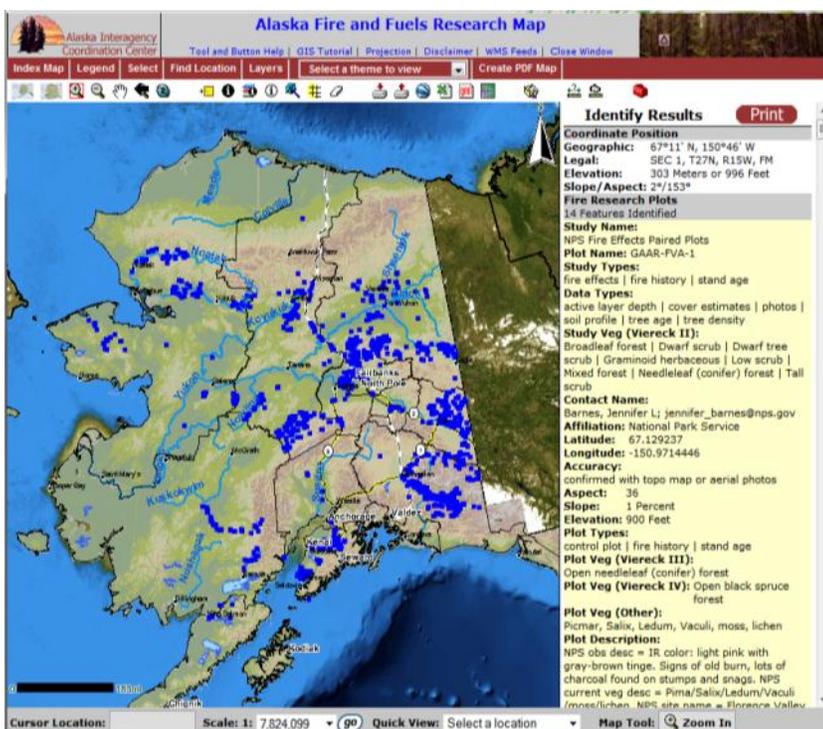*http://fire.ak.blm.gov/predsvcs/maps.php*

Background

The Alaska Fire and Fuels Research Map was created in 2006 under FIRE-House (*The Northwest and Alaska Fire Research Clearinghouse),* a Joint Fire Science Program funded project ([06-3-1-26]). This database was initially populated from National Park Service fire effects study plots but was subsequently expanded to include multiple agencies' plot metadata for fire and fuels related studies across Alaska.

Purpose

The Alaska Fire and Fuels Research Map is a web-based geospatial mapping tool designed to provide study and site-level information in an effort to enhance fire research collaboration and data sharing. Users are able to click on the map interface to display plot **locations** and **types** of fire effects and fuels data collected for that area (see detailed list of fields on page 2). *Note:* This database does **not** include the actual field data, but describes the metadata.

Database Infrastructure

- ◱ Backend database built in Microsoft Access.

- ◱ Specified fields are imported into an existing ArcIMS (web-based) map interface, creating a "Fire and Fuels Research " layer.

- ◱ ArcIMS map interface currently supported and maintained by the Alaska Interagency Coordination Center and BLM—Alaska Fire Service.

- ◱ Users can search and export results through the query and export functions.

Database Fields

Research project metadata is represented at both the broad, study-level scale as well as the individual plot-level. The tables below show the list of fields displayed for any given point on the Fire and Fuels Research Map.

Description	Displayed Fields
Study	Study Name
	Study Description
	Study Types
	Data Types
	Study Vegetation (Viereck II)
	# Study Plots
	Contact Name
	Affiliation
	Land Unit
	Study Website
	Latitude (If no plot level info given)
	Longitude (If no plot level info given)

Description Level	Displayed Fields
Plot Level	Plot Name
	Latitude
	Longitude
	Plot Size
	Aspect
	Slope
	Plot Vegetation (Viereck III)
	Plot Sampling Events
	Plot Disturbance

Note: Plot-level metadata is not required.

Future Improvements: Where do we go from here?

- ▣ Post Access Database on AFSC FRAMES Collaboration page (login access only) for check out to known interested contributors.
- ▣ Create "cheat sheet" on how to complete study/plot metadata entry.
- ▣ Transition project management from FRAMES to AFSC.
- ▣ Develop strategy to identify missing "legacy" plots and complete data entry.
- ▣ Develop mechanism for completing annual updates from participating agencies/ organizations.
- ▣ Streamline data entry process and updates to ArcIMS map interface.

Alaska Fire and Fuels Research Map Partners