

U.S. Department of the Interior
Bureau of Land Management

Alaska Known Sites Update

End of Fire Season 2017





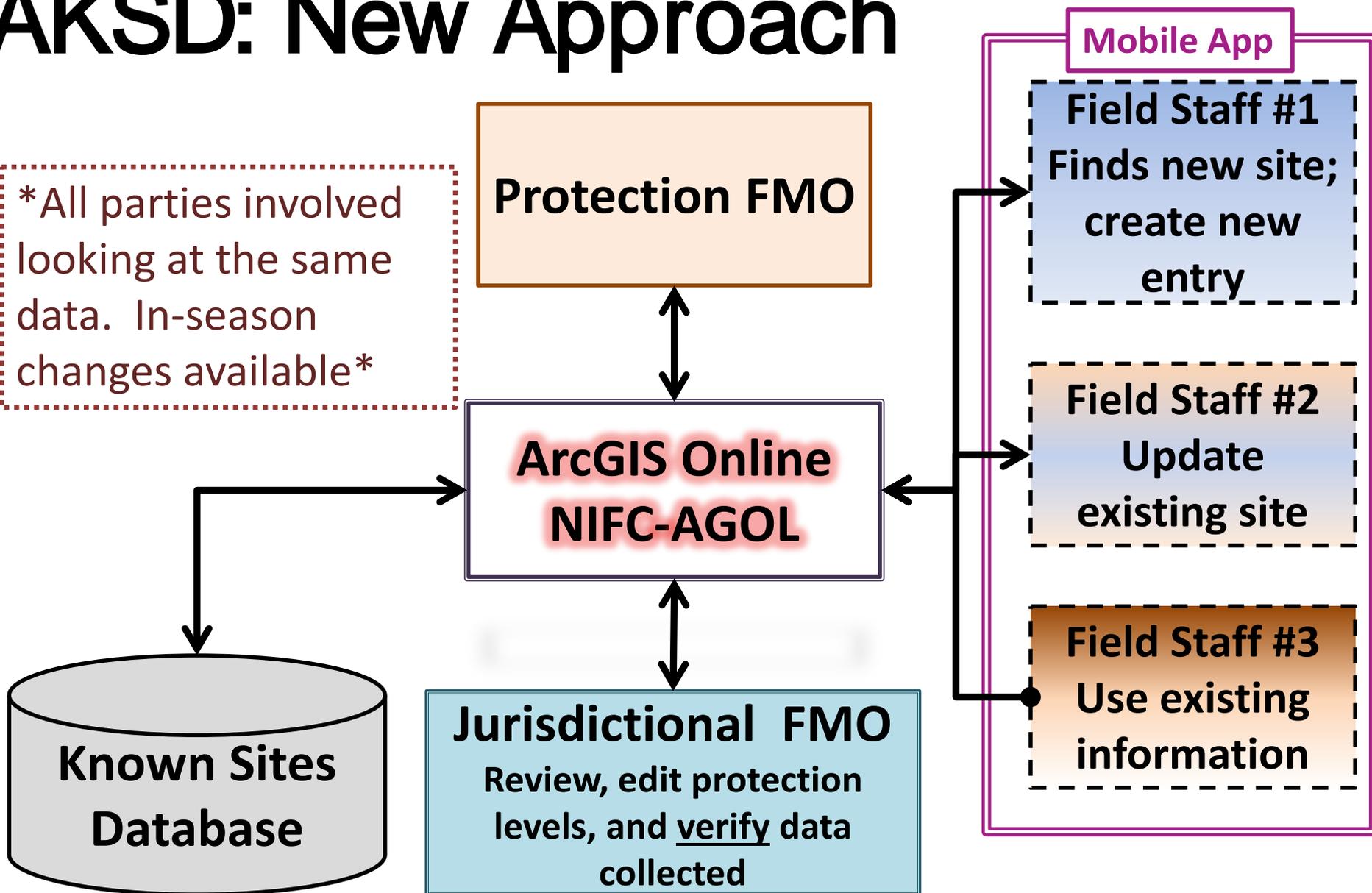
Presentation Roadmap

- Alaska KSD activities during 2017 Fire Season.
 - Tested out a *new philosophy* and *new technological approach* to Alaska KSD updates.
- Where we are now.
- Moving forward.



AKSD: New Approach

All parties involved looking at the same data. In-season changes available





AKSD "beta"

All parties involved are looking at the same data. Edits viewed in real-time

J. Wattenbarger S. Theisen
M. Butteri C. Moore
W. Branson
B. Peterson

TAD KSD
Web-Based
Viewing & Editing
Application

UYD KSD
Web-Based
Viewing & Editing
Application

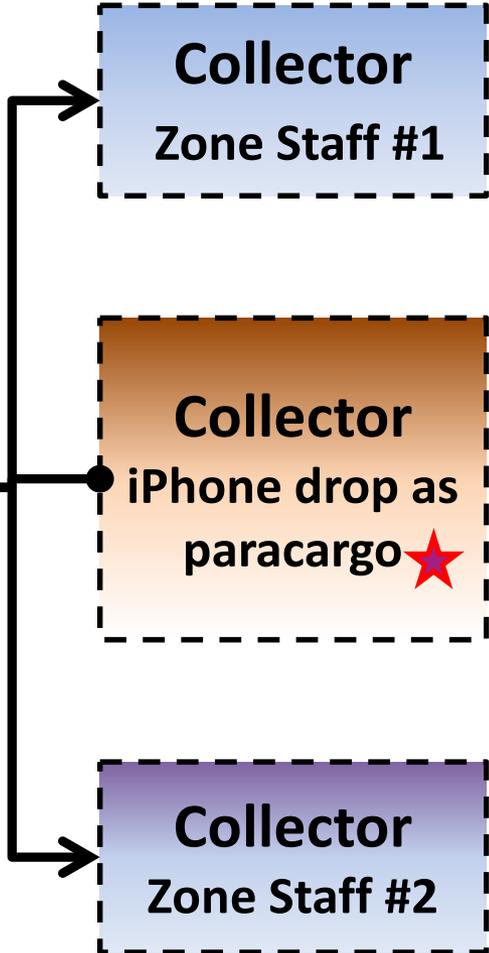
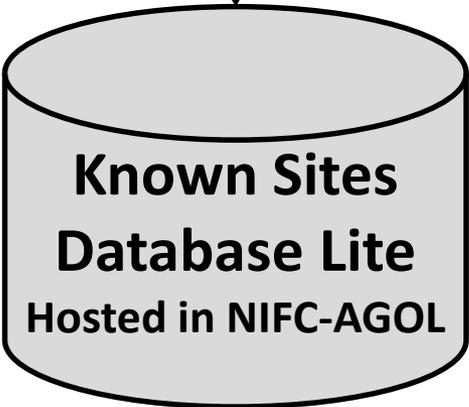
Hosted in NIFC-AGOL

B. Haugen (FWS) D. Woitas (FWS)
T. StClair (BLM)

Collector
Zone Staff #1

Collector
iPhone drop as
paracargo ★

Collector
Zone Staff #2





AKSD “beta” interface

TAD AKSD Tanana Zone Known Sites Data Viewing / Editing App. For Wildland Fire Use Only.

The screenshot displays the AKSD interface with a map of the Tanana Zone. The map shows a large area outlined in red, representing an active fire perimeter. Several purple house-shaped icons represent structures, and a yellow circle with a black dot represents another site. The legend on the left lists the following categories:

- Tanana Zone Known Sites**
 - Structure (purple house icon)
 - Mining Camp/Equipment (red pickaxe icon)
 - Camp (blue tent icon)
 - Communications (purple antenna icon)
 - RAWS (blue line icon)
 - Other (yellow circle icon)
- Active Fires Perimeters**
 - Fire Perimeter (red outline icon)
- Fire Management Options**
 - Critical (dark red fill)
 - Full (orange fill)
 - Mod / Spec. Mod (light purple fill)
 - Limited (light green fill)
 - Unplanned (grey fill)

The interface includes a search bar at the top with the text "Fire # or Place/Feature", a legend on the left, and a scale bar at the bottom. The bottom right corner features the text "Bureau of Land Management, Alaska Fire Service. | Alaska Interagency Coordination" and the "POWERED BY esri" logo.



AKSD “beta” interface

UYD Upper Yukon Zone Known Sites Data Viewing / Editing App. For Wildland Fire Activities Only.

Fire # or Place/Feature

Workflow:

1. FWS AFMO granted access to web app.
2. Review and edit Known Sites.

ID	Prot Agency ID	Site Owner	Assessed or Mapped By	Location Collection Method	AssessDate	Data Entry By	Data Entry Date	Jur Verified By	Jur Verified Date	Flag for Deletion	Delete Notes	EditDate	Editor
0		USFWS	AFS	Unknown	April 4, 2013	Dale Woitas	August 4, 2017			Yes	Site visits in 2009 and 2013 indicate that cabin burned in 2008. Nothing remains.	8/4/2017, 9:49 AM	dwoitas_nifc

1 features 0 selected



AKSD “beta” interface

UYD AKSD Upper Yukon Zone Known Sites Data Viewing / Editing App. For Wildland Fire Activities Only.

Fire # or Place/Feature

The screenshot shows the AKSD app interface. At the top, there is a search bar labeled "Fire # or Place/Feature" with a magnifying glass icon. Below the search bar are several icons: a list icon, a home icon, a document icon, a folder icon, and a grid icon. On the left side, there is a vertical toolbar with icons for layers, home, a pencil, and XYZ. The main area displays a satellite map of a forested area. A photo of a wooden structure is overlaid on the map. To the right of the photo is a data entry form with the following fields:

Water Access	
Access Notes	
Defensibility	
Strategy	
Defensible Space	Less than 30 ft
Primary Veg Type	Conifer
Pump Site	
Trunk Line ft	50
Sprinkler Kits	1
Defensibility Notes	Lies on creek. Defensible location
Hezmat Notes	
Safety Zone	
Safety Zone	
Zoom to	...

Workflow:

1. iPhone prep at AFS.
2. iPhone included in paracargo load.
3. Data collected by Smoke Jumpers.
4. iPhone returned to AFS.
5. Data sync to KSD.

POWERED BY esri



Where we are now:

- First impressions – it was a success.
- Technical challenges
 - Keeping images associated with data points.
 - Security.
 - Usability in low-bandwidth areas.



Moving Forward:

IF this is the direction AWFCG want to go...

- Can you live with real time changes to the DB?
- AWFCG needs to review and approve the new data standard.
 - Collecting contact info? Standard practice for damage assessment/disaster response.
 - Too many data fields, not enough.
- Need to establish 'Best Practices'.



Moving Forward:

IF this is the direction AWFCG want to go...

- Can you live with using the AGOL/Collector platform?
 - Technical issues need to be resolved.
 - *Easy way out is to have the AKSD hosted by Esri.*
- Pursue a formal partnership with NIFC and expand our use of NIFC-AGOL?
- Any interest in creating a AICC-AGOL?
 - Should we ask the question?



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Contact Information

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