

**WFDSS WHAT'S NEW IN 2013**



National Preparedness Level: 1

## WFDSS PRODUCTION SYSTEM

### Welcome to the Wildland Fire Decision Support System

\*User Name

[Forgot your user name?](#)

\*Password

[Forgot your password?](#)

Sign In

[Request new account](#)

To access WFDSS from a mobile device, use [WFDSS Lite](#)  
For testing, training, and practicing, use the [WFDSS Training Site](#)

### WFDSS Help Desk

[helpdesk@dms.nwcg.gov](mailto:helpdesk@dms.nwcg.gov) 866-224-7677 / 360-326-6002



- Home
- About WFDSS
- Training
- Data
- FAQs
- Related Resources**
- WFDSS Help
- Sign In to Production
- Sign In to Training
- Sign Into Mobile Website
- Request Account

**WFDSS Help Desk**  
[helpdesk@dms.nwcc.gov](mailto:helpdesk@dms.nwcc.gov)  
(Add WFDSS to subject line)  
+1 866.224.7677 or  
+1 360.326.6002

**Analysis & Decision  
Content Support**  
+1 208-473-8107

## Welcome!

### Wildland Fire Decision Support System

Welcome to the Wildland Fire Decision Support System ([WFDSS](#))!

This system assists fire managers and analysts in making strategic and tactical decisions for fire incidents. It has replaced the WFS (Wildland Fire Situation Analysis), Wildland Fire Implementation Plan (WFIP), and Long-Term Implementation Plan (LTIP) processes with a single process that is easier to use, more intuitive, linear, scalable, and progressively responsive to changing fire complexity.

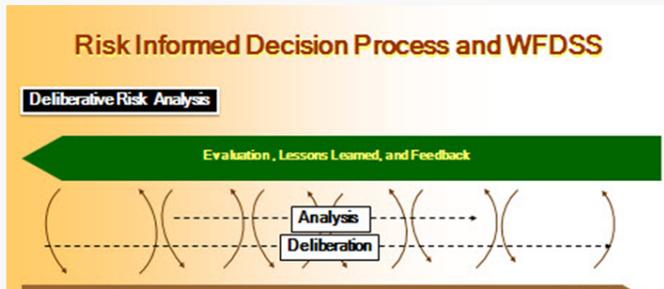
WFDSS integrates the various applications used to manage incidents into a single system, which streamlines the analysis and reporting processes.

WFDSS provides the following advantages over previous systems:

- Combines desktop applications for fire modeling into a web-based system for easier data acquisition.
- Provides an easy way for fire managers and analysts to accurately document their decision-making process by allowing results of analyses to be attached to the decision point and included in the final incident report.
- Provides one decision process and documentation system for all types of wildland fires.
- Is a web-based application for easier sharing of analyses and reports across all levels of the federal wildland fire organization.
- Introduces economic principles into the fire decision process.

Before you log into WFDSS, make sure you read and understand the system [Rules of Behavior](#).

WFDSS follows an analytic deliberative process for decision making. The following graphic displays this process. Click [here](#) for further information.



Google Search

only search WFDSS Website  
[How to Search](#)

- #### Latest Information
- [4.7 Release Adds Spatial Fire Planning](#)
  - [GA Editor Calendar](#)
  - [4.6 Release Modifies How Filters Are Created](#)
  - [4.5 Release Adds Flame Act Report and Automatically Generated Stratified Cost Index \(SCI\)](#)
  - [Join the WFDSSupportVideos Channel on YouTube!](#)
  - [WFDSS Lite](#)
  - [Do-It Yourself Password Reset](#)
  - [WFDSS RSS Feeds](#)

 WFDSS  
**WFDSS**

WFDSS WFDSS 4.8 Baseline released to Training today and Production on the 29th. Users can now re number M.A.P.s until they are published.





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## Resources

The links and references on this page are intended to complement information presented in the:

- **WFDSS online help.** Page-level, context-sensitive help is available within the application by clicking the Help link or . The help is updated frequently.
- **WFDSS training.** Webinars, Quick Tips, and videos provide users with information about application functionality.

The following information contains links to websites and software. The presentation of these websites and software packages does not constitute an endorsement by the USDA Forest Service (FS) of any information, products, or services offered by these websites or software packages.

USDA FS provides these links because they might contain related information of interest to you. These links do not constitute an endorsement by the NWS of any information, products, or services on this site.

## 508 Compliance

### WFDSS Help Desk

[helpdesk@dms.nwccg.gov](mailto:helpdesk@dms.nwccg.gov)

Add WFDSS to subject line)

If you are color-blind or otherwise have trouble viewing the maps and images within the WFDSS system, several options are available to assist you. Several software applications can help convert images to a more easily viewed contrast level:





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#### Analysis & Decision

##### Content Support

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## Training

### WFDSS 101

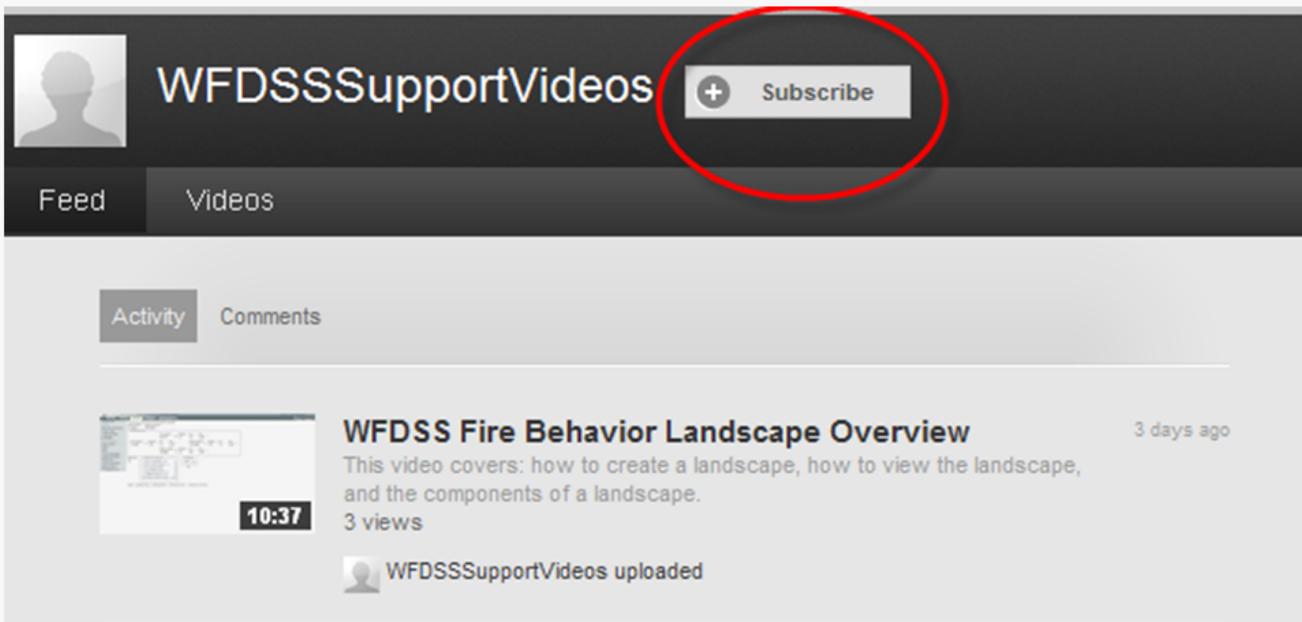
- [Decision Making for Wildfire Incidents: A Reference Guide for Applying the Risk Management Process at the Incident Level](#) (8/2012)
- [WFDSS Overview](#) (PDF - 5.62 MB; 5/2011)
- Lesson 1 - Using WFDSS 101 (PDF - 446 KB; 2/2012)
- Lesson 2 - Creating an Incident (PDF - 468 KB; 2/2012)
- Lesson 3 - Creating Address Books and User Groups (PDF - 464 KB; 2/2012)
- Lesson 4 - Using Filters (PDF - 626 KB; 2/2012)
- Lesson 5 - Transferring Incident Ownership (PDF - 522 KB; 2/2012)
- Lesson 6 - Setting System Preferences ( PDF - 526 KB; 2/2012)
- Lesson 7 - Managing Shapes ( PDF - 507 KB; 2/2012)
- Lesson 8 - Situation Assessment and [Map Images](#) (PDF - 874 KB; 4/2012)
- Lesson 9 - Fire Behavior Analysis (PDF - 587 KB; 4/2012)
- Lesson 10 - Gathering Information to Support Relative Risk and Decisions (PDF - 648 KB; 4/2012)
- Lesson 11 - Creating a Relative Risk Assessment (PDF - 974 KB; 4/2012)
- Lesson 12 - Validation and Creating a Pending Decision (PDF - 274 KB ; 5/2012)
- Lesson 13 - Managing Incident Privileges - (PDF - 165 KB; 5/2012)
- Lesson 14 - Objectives and Requirements (PDF - 197 KB ; 5/2012)
- Lesson 15 - Developing the [Course Of Action](#) (PDF - 251 KB; 6/2012)
- Lesson 16 - Validating a New Course of Action (PDF - 827 KB; 6/2012)
- Lesson 17 - Rationale (PDF - 152 KB; 6/2012)
- Lesson 18 - The Decision Editor (PDF - 843 KB ; 7/2012)
- Lesson 19 - Publishing A Decision (PDF -1159 KB; 9/2012)

## Subscribe to the WFDSSupportVideos Channel on YouTube!

Did you know that WFDSS now has a WFDSS Training and Support Channel on YouTube? This channel focuses on training videos that walk you step-by-step through many of WFDSS's common tasks. The first video is a Fire Behavior Landscape Overview that includes information about components of a landscape, creating a landscape, and how to view landscape layers. This video is available for you to watch at <http://youtu.be/he54rjtErg>. To view other videos as they become available, subscribe to the WFDSS Support Videos channel. If you have problems subscribing to this channel, you may need to sign up for a YouTube [account](#). Refer to the YouTube help for further information.

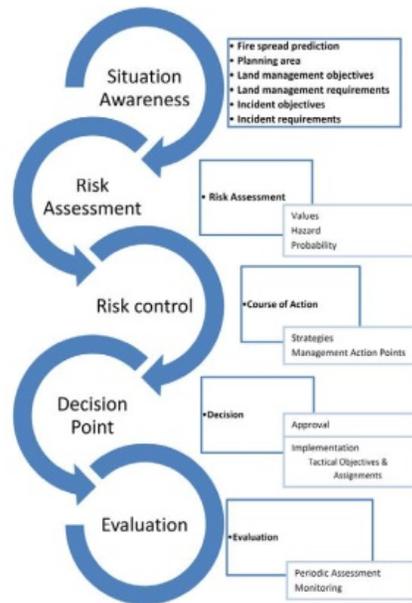
To subscribe to the WFDSSupportVideos channel:

1. Go to YouTube.
2. Search for WFDSSupportVideos.
3. Select the channel WFDSSupportVideos to display the main channel page.
4. Click the Subscribe button. The button name changes to Subscribed.



[http://www.youtube.com/watch?v=lgVjaQonH\\_A](http://www.youtube.com/watch?v=lgVjaQonH_A)

## Decision Making for Wildfire Incidents: A Reference Guide for Applying the Risk Management Process At the Incident Level



This draft publication was co-sponsored by the NWCG Fire Use Subcommittee and the Wildland Fire Management Research, Development & Application program. The document represents the work of several groups of fire professionals who developed content, integrated existing references, and sought feedback from other fire professionals with experience in wildfire decision making, risk management, and long-term incident planning. The draft version is being distributed for use and comment during the 2012 wildfire season; comments will be reviewed, and the document will be updated and finalized over the winter (2012/2013). Your input, comments, and suggestions are needed to ensure the final product meets the needs of today's fire managers in all agencies and organizations involved in wildfire decision making.

Please submit comments to the following website:

<https://docs.google.com/spreadsheet/viewform?fromEmail=true&formkey=dGR5SXB5UWFtcHluZ1IKeiVud0J1NUE6MQ>

by October 15, 2012.

# CHANGES/UPDATE

Situation Tab – Display tree

Relative Risk – located in new places

How you set filters – should be easier

Estimate Ground Evacuation Layer - CONUS only

You can generate a PDF for entire or parts of the pending decision

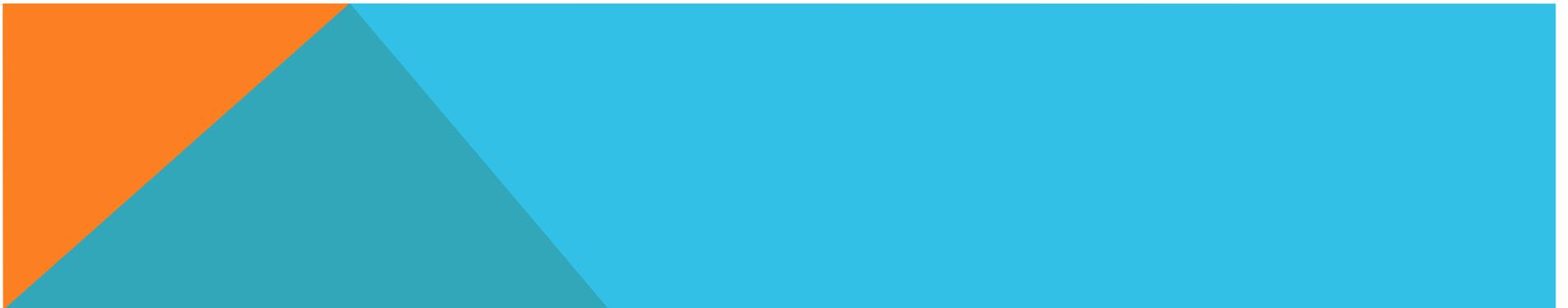
Decision requirement list – helps user navigate through the application

Statewide FMU's

Spatial Fire Management Units

Fire Model updated and Changes: Webinar April 18<sup>th</sup>

Alaska Fire Science Consortium



- Incident List
- Fire Behavior Request
- Stratified Cost Index
- Relative Risk
- Organizational Needs
- FMU/SO List
- Mgmt Action Points
- Shape Upload
- Image Upload
- Pt of Origin Inventory
- Incident KMZ
- Download Perimeters
- Contact Information
- Incident Privileges
- Incident History List
- Incident Analyses
- Fire Related Links

*Decision "Pending Decision" created.*

 Requirements that must be completed before the pending decision can be Reviewed / Approved

Requirement(s)
<u>An incident size greater than 0 acres is required.</u>
<u>A Planning Area shape file is required.</u>
<u>A Relative Risk Assessment is required.</u>
<u>A Decision Approver must be granted privileges.</u>
<u>A Strategic Objective or FMU Code must exist in the list of FMU/SOs for the incident.</u>
<u>An Estimated Cost is required for the incident.</u>
<u>The proposed Course of Action needs to be validated.</u>
<u>Content must be added to the "Rationale" section of the decision (with the decision editor).</u>

**Decisions List**

[Set Decision List Preferences](#)

[Create](#)
[Copy](#)
[View Info](#)
[View Decision](#)
[Pending KMZ](#)

<input checked="" type="checkbox"/>	<a href="#">Decision</a>	<a href="#">Section</a>	<a href="#">Status</a>	<a href="#">Editor</a>	<a href="#">Created (CDT)</a>	<a href="#">Last Modified (CDT)</a>	<a href="#">Relative Risk</a>	<a href="#">Org Needs</a>
 <input type="radio"/>	Pending Decision		Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		
<input type="radio"/>	Pending Decision	Assessment	Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		
<input type="radio"/>	Pending Decision	Objectives	Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		
<input type="radio"/>	Pending Decision	Course of Action	Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		
<input type="radio"/>	Pending Decision	Validation	Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		
<input type="radio"/>	Pending Decision	Rationale	Available	Passek, Janet	03/28/2013 16:26	03/28/2013 16:26		

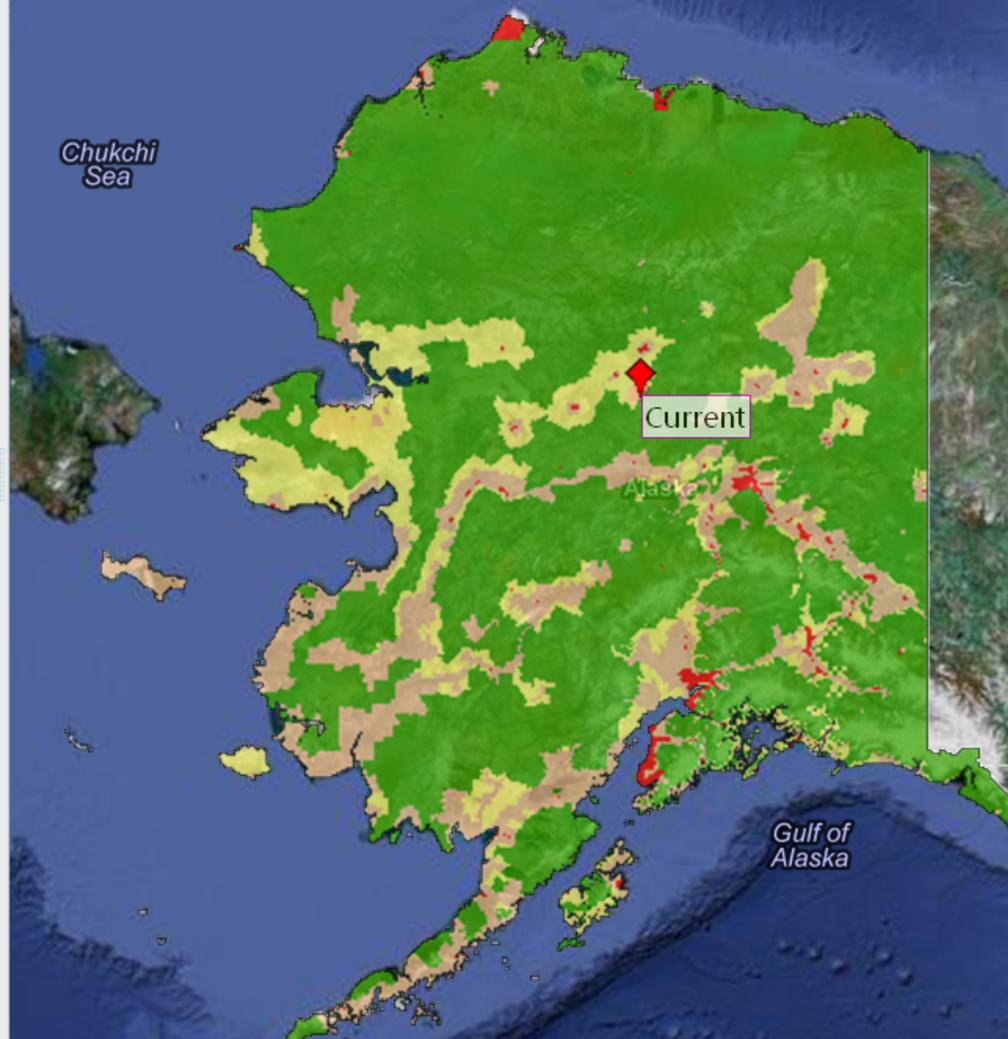
Layers

- Base Layers
- Incident
- Analysis
- Fire Environment and Safety
  - Active MODIS
  - Retardant Avoidance
  - AK Fire Mgmt Options
- Disturbance History
- Fire Weather and Danger
- Boundaries
- Designated Areas
- Infrastructure
- Natural and Cultural Resources
- \* Unit Fire Planning

Messages (0)



Pan Tool: Drag to pan. Shift-click, drag, and release to zoom. Double-click to re-center and zoom.



## Incident Objectives/Requirements for statewide fmu test

[Create Incident Objective](#) [Create Incident Requirement](#) [Display Spatial Fire Planning Inventory](#)

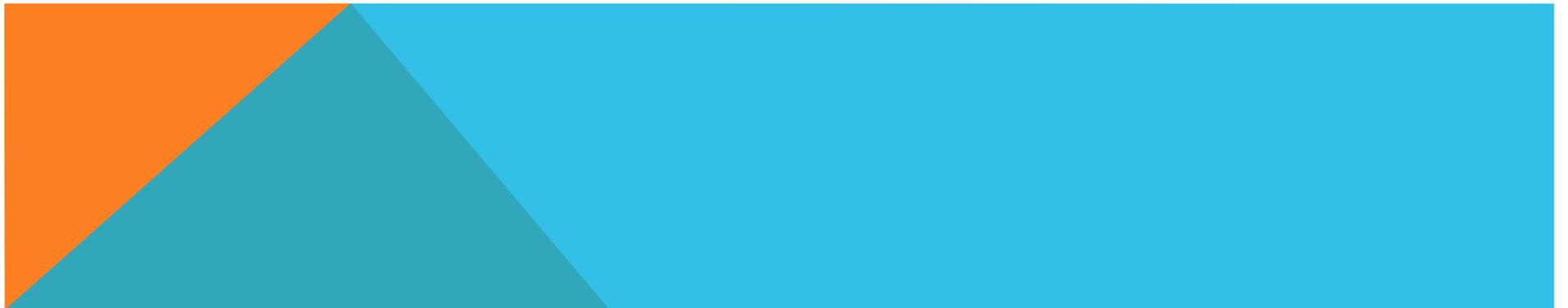
<u>Unit</u>	<u>Shape/FMU</u>	<u>Type</u>	<u>Activated</u>	<u>Deactivated</u>	<u>Included</u>	<u>Objective/Requirement</u>
AK Fire Mgmt Options		Strat Obj	02/14/2013			<b>Critical Management Option</b> Provide for protection actions on fires that threaten human life, qualifying properties, or high-value resources with available firefighting resources and without compromising firefighter safety. The objectives in order of priority are human life and safety, site protection and fire control.
AK Fire Mgmt Options		Strat Obj	02/14/2013			<b>Full Management Option</b> Control all wildland fires at the smallest acreage reasonably possible with initial action forces without compromising public or firefighter safety.
AK Fire Mgmt Options		Strat Obj	02/14/2013			<b>Limited Management Option</b> Weigh the costs and associated environmental impacts of the suppression actions against the values to be protected and consider firefighter and public safety, benefits and resource objectives.
AK Fire Mgmt Options		Strat Obj	02/14/2013			<b>Limited Management Option</b> Use wildland fire to protect, maintain, and enhance natural and cultural resources and, as nearly as possible, enable fire to function in its ecological role and maintain the natural fire regime.

Page  of 1 Rows per Page:

# Planning Area Spatial Inventory

## Spatial Fire Planning Inventory

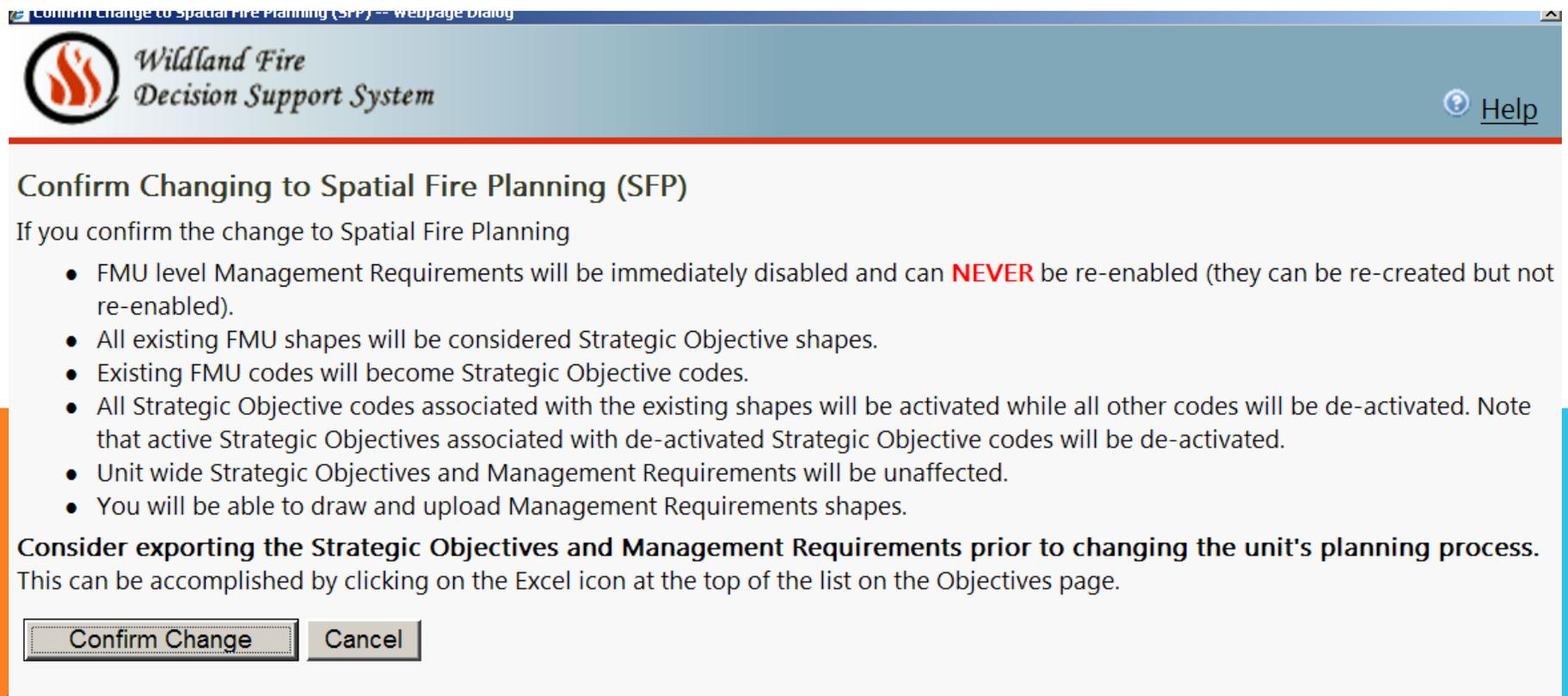
 Category	Value	Data Source	Currency	Coverage
AK Fire Mgmt Options: Critical	19,932 acres	BLM Alaska Fire Service	2012	Alaska
AK Fire Mgmt Options: Full	78,272 acres	BLM Alaska Fire Service	2012	Alaska
AK Fire Mgmt Options: Limited	67,356 acres	BLM Alaska Fire Service	2012	Alaska



# SPATIAL FIRE MANAGEMENT UNITS

[http://www.youtube.com/watch?v=lgVjaQonH\\_A](http://www.youtube.com/watch?v=lgVjaQonH_A)

[WFDSSSupportVideos - YouTube](#)



Confirm Change to Spatial Fire Planning (SFP) - Webpage Dialog

 Wildland Fire  
Decision Support System [Help](#)

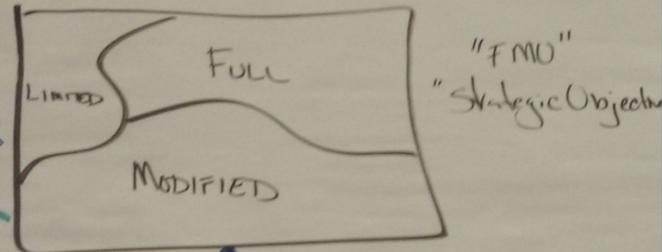
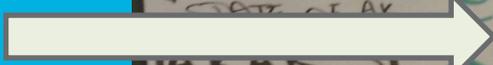
### Confirm Changing to Spatial Fire Planning (SFP)

If you confirm the change to Spatial Fire Planning

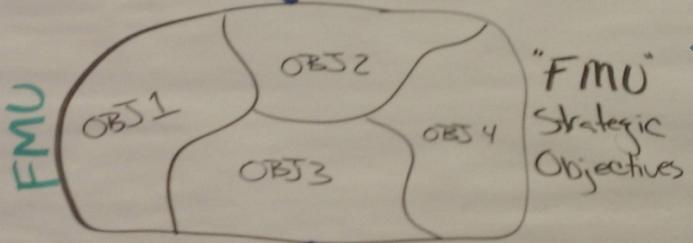
- FMU level Management Requirements will be immediately disabled and can **NEVER** be re-enabled (they can be re-created but not re-enabled).
- All existing FMU shapes will be considered Strategic Objective shapes.
- Existing FMU codes will become Strategic Objective codes.
- All Strategic Objective codes associated with the existing shapes will be activated while all other codes will be de-activated. Note that active Strategic Objectives associated with de-activated Strategic Objective codes will be de-activated.
- Unit wide Strategic Objectives and Management Requirements will be unaffected.
- You will be able to draw and upload Management Requirements shapes.

**Consider exporting the Strategic Objectives and Management Requirements prior to changing the unit's planning process.** This can be accomplished by clicking on the Excel icon at the top of the list on the Objectives page.

Statewide FMU

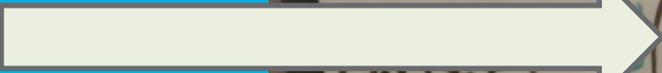
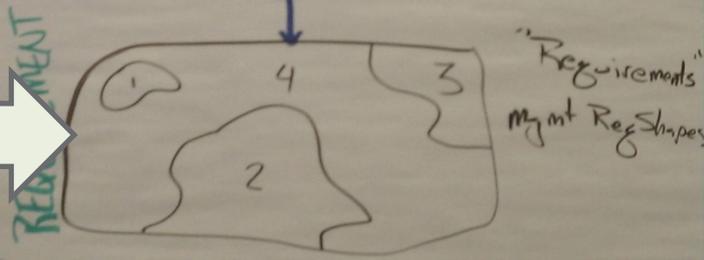


UNIT ID = "Dend, NP" AKDEP



Jurisdictional Agency Unit Strategic Objectives

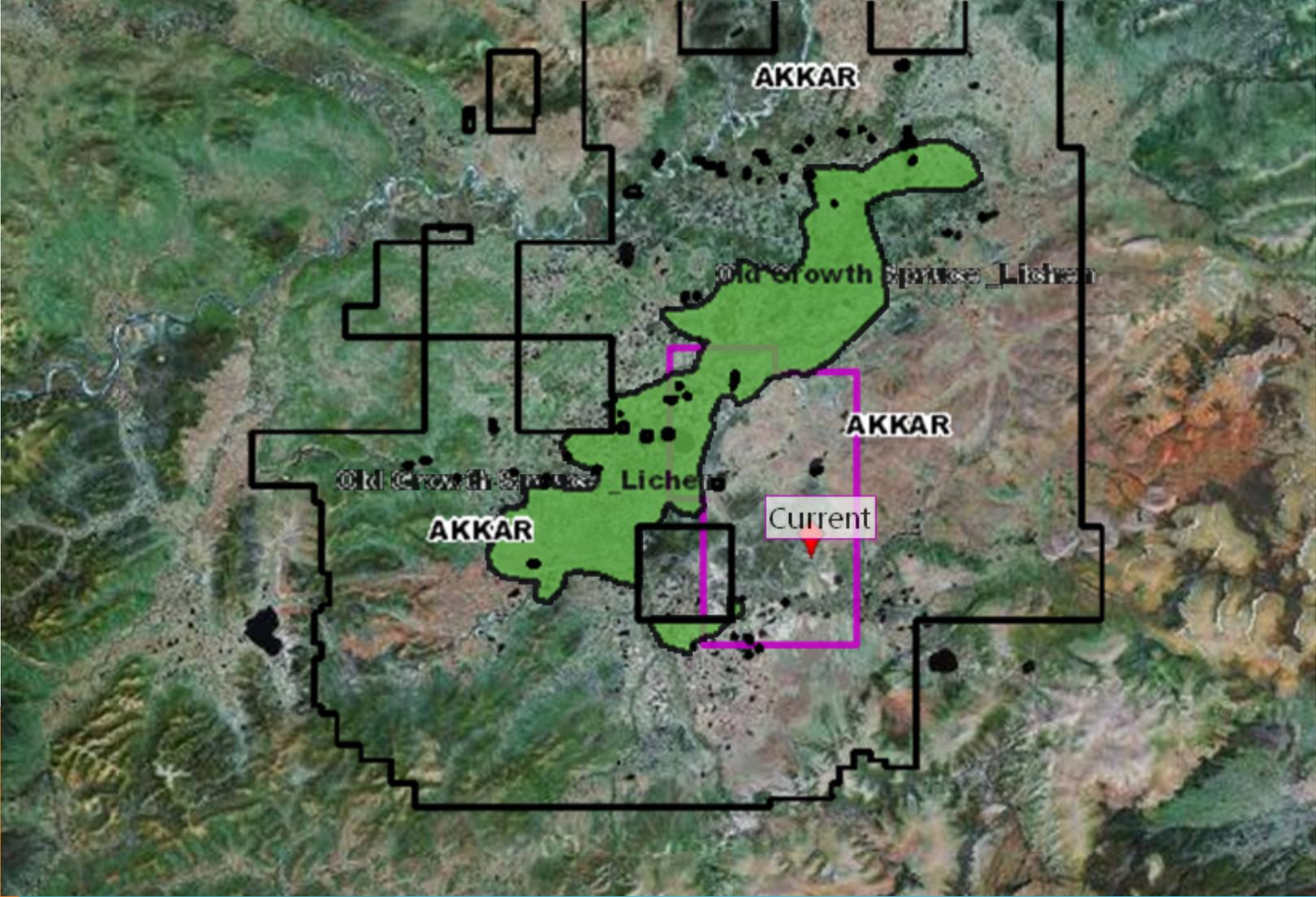
UNIT ID = AKDEP



Jurisdictional Agency Management Requirements

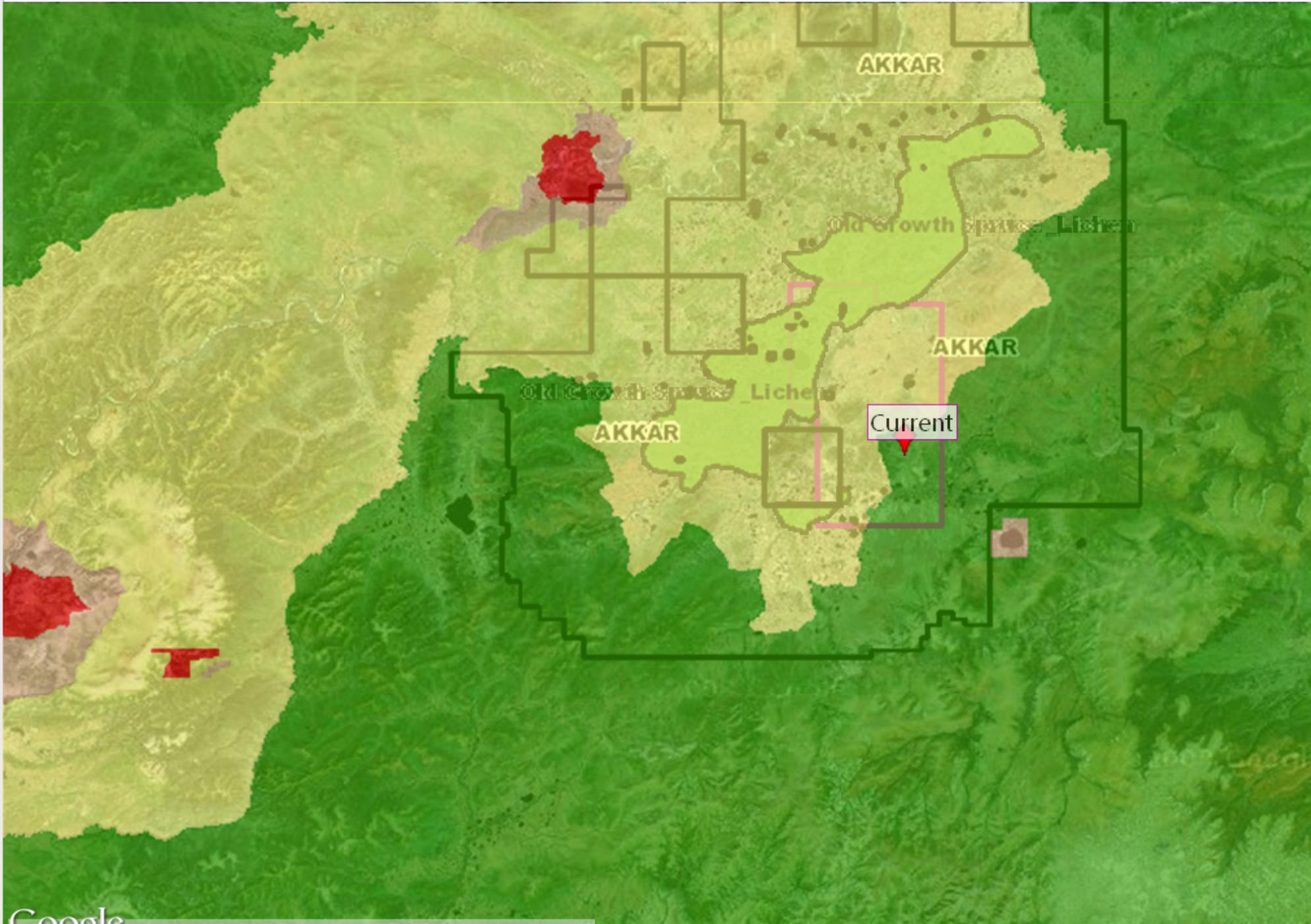
POLYGONS CAN OVERLAP

re-center and zoom.



Full view. Drag to pan. Shift click, drag, and release to zoom. Double-click to re-center and zoom.

Scale



Unit	Shape/FMU	Type	Activated	Deactivated	Included	Objective/Requirement
	AK Fire Mgmt Options	Strat Obj	02/14/2013			<b>Limited Management Option</b> Weigh the costs and associated environmental impacts of the suppression actions against the values to be protected and consider firefighter and public safety, benefits and resource objectives.
	AK Fire Mgmt Options	Strat Obj	02/14/2013			<b>Limited Management Option</b> Use wildland fire to protect, maintain, and enhance natural and cultural resources and, as nearly as possible, enable fire to function in its ecological role and maintain the natural fire regime.
	AK Fire Mgmt Options	Strat Obj	02/14/2013			<b>Modified Management Option</b> Contain fires with initial action forces.
	AK Fire Mgmt Options	Strat Obj	02/14/2013			<b>Modified Management Option</b> Weigh costs and associated environmental impacts of the suppression actions against the values to be protected.
AKKAR	Unit Boundary	Strat Obj	04/03/2013			Protect cultural and historic sites, private parcels, privately owned and legally registered cabins, and refuge administrative facilities within the refuge from wildland fires to the extent practicable
AKKAR	Old Growth Spruce_Lichen	Mgmt Req	04/03/2013			Evaluate fire growth potential so that no more than 5% of this total area burns each year.



# WHAT DO WE NEED FROM YOU

- Users who will explore the spatial FMU in training and give feedback for decision if we want to move this option to production.
- Brian Sorbel: contact for State and BLM FMU
- Input on wording statewide FMU objectives
- Training needs: who, what, when where and how.
- Feedback – are we meeting your needs?



# WHO CAN YOU CALL

Marsha Henderson: Geographic Editor,

Jan Passek: Geographic Editor

Dan Warthin: Geographic Editor

Lindsey Lien : Agency Rep.

In training:

Brian Sorbel : Geographic Editor

Ben Pratt:

Krisiti Bullock:



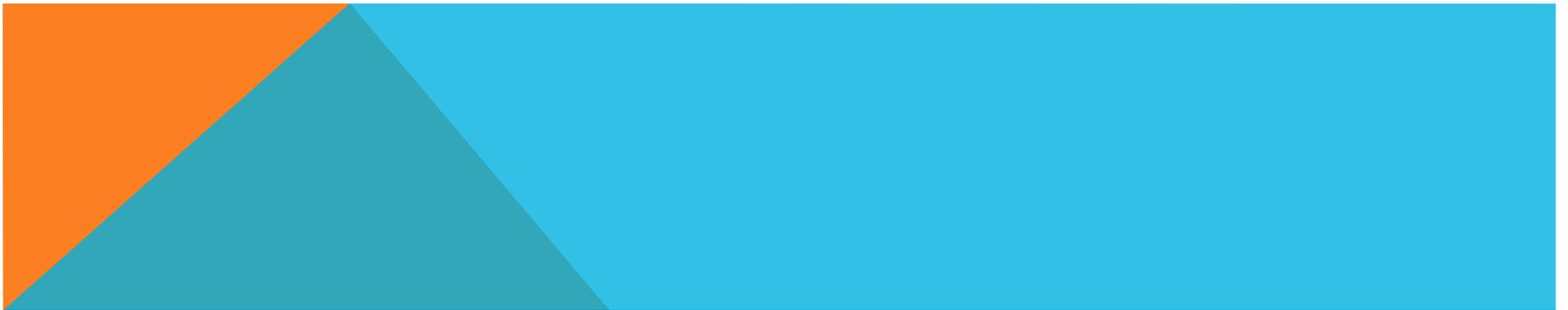
# QUESTIONS?

Trivia # of fires entered into WFDSS?

2010 435

2011 182

2012 318





*The Planning Process was successfully updated to Spatial Fire Planning.*  
*There are no strategic objectives or management requirements for unit 'AKKAR'.*

### Strategic Objectives and Management Requirements

#### Unit Selection

##### Geographic Area

- Alaska
- Northwest
- Northern California
- Southern California
- Northern Rockies
- Eastern Great Basin
- Western Great Basin
- Southwest
- Rocky Mountain
- Eastern
- Southern

##### Agency

- BIA/Tribal
- BLM
- USFWS
- NPS
- USFS
- State
- C&L
- ANCSA
- Other

##### Unit

- AKAMR - Alaska Maritime National Wildlife Refuge
- AKAPR - Alaska Peninsula National Wildlife Refuge
- AKARR - Arctic National Wildlife Refuge
- AKBCR - Becharof National Wildlife Refuge
- AKINR - Innoko National Wildlife Refuge
- AKIZR - Izembek National Wildlife Refuge
- AKKAR - Kanuti National Wildlife Refuge**
- AKKDR - Kodiak National Wildlife Refuge
- AKKNR - Kenai National Wildlife Refuge
- AKKUR - Koyukuk National Wildlife Refuge
- AKNOR - Nowitna National Wildlife Refuge
- AKR7R - Alaska Region 7 - US Fish and Wildlife Service
- AKSWR - Selawik National Wildlife Refuge
- AKTER - Tetlin National Wildlife Refuge
- AKTGR - Togiak National Wildlife Refuge
- AKYDR - Yukon Delta National Wildlife Refuge
- AKYFR - Yukon Flats National Wildlife Refuge

##### Planning Process

- Fire Management Units (FMU)
- Spatial Fire Planning (SFP)

If you change to the FMU Planning Process

- The Strategic Objective shapes will be considered FMU shapes
- Activated Management Requirements associated with shapes will be deactivated

*Consider exporting Management Requirements prior to changing the unit's planning process*



