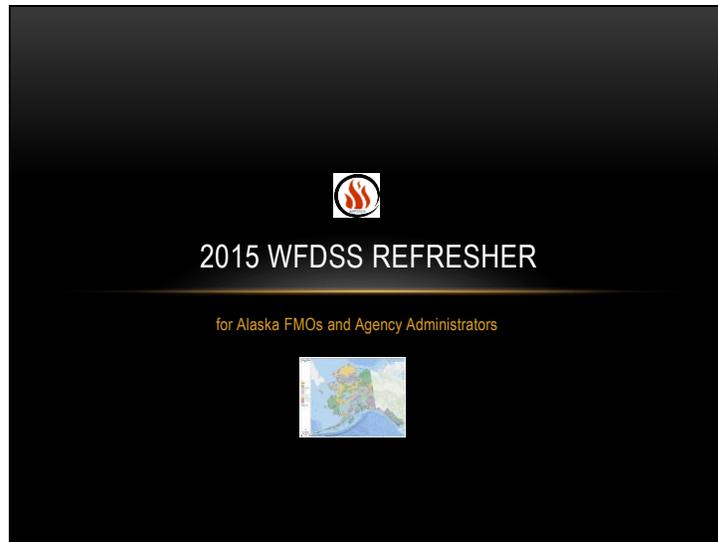


# 2015 WFDSS Refresher

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Slide 1



This is a brief refresher outlining the various sections of the Wildfire Decision Support System (WFDSS). These presentation will refer to a more in depth modular training videos. The Alaska Fire Science Consortium – is graciously hosting the Alaska Scenario Modular. Also please refer to the National WFDSS training documents

### WILDLAND FIRE DECISION SUPPORT SYSTEM



- A process for making and documenting strategic and tactical decisions for wildfire incidents
- Its use is mandated by Federal wildland fire agencies.
- Alaska Division of Forestry also uses the system.

The Protection Agency is responsible for initiating new fires in WFDSS. Fires within State protection will be uploaded IFM and Federal Agencies – through Fire Beans.

Fires will need to be transferred to the appropriate Jurisdictional Agency. It is the Jurisdictional Agency policy and discretion to complete additional entries or to publish a decision.

# 2015 WFDSS Refresher

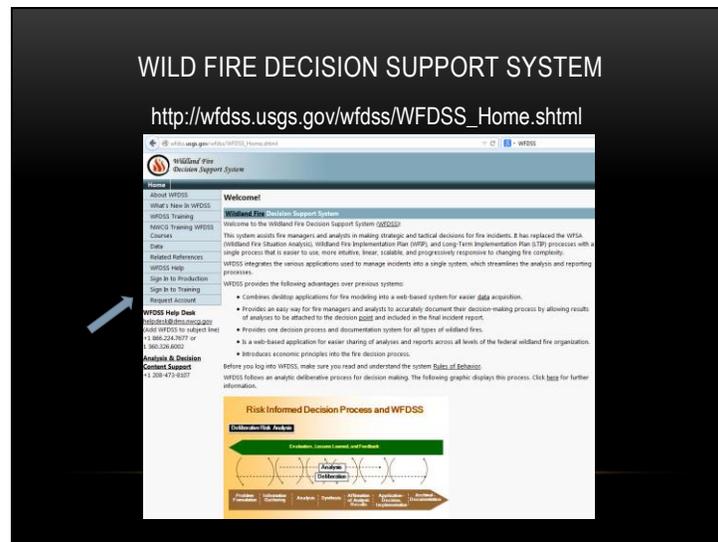
Slide 3



- Strategic Objectives are set forth approved
  - Land Management Plan
  - Resource Management Plan
  - Guiding Documents “Desired Future Conditions”
    - These are broad statements that identify changes in water, soil, air or vegetation.
  - Strategic Objectives deal with large areas over long time periods
- Management Requirements
  - Requirements set forth in an approved Land Management Plan, Resource management plan, Fire management plan.
  - These are directives, standards, specifications or constraints that must be complied with – when implement management actions.
- LRMP, Unit/ FMU should be uploaded in WFDSS pre – season if not uploaded should be discussed with
  - Protection Administrator
  - Jurisdictional Administrator

# 2015 WFDSS Refresher

Slide 4



Do you have your User Name and Password

Request an account

Left hand menu on Home screen

Recommended User Roles

Jurisdictional FMO: Author, Data Manager

Protecting FMO: Author

Agency Administrators- Author (Data Manager optional).

Training VS Production

Blue Banner Green Tabs = Production

Gold Banner / Yellow Tabs = Training

Single Login / password – but user's roles may be different for Production/ Training

Roles granted to a User in Training are not mirrored to Production

Production and training run on different databases

Training Page / Help/ Feedback

# 2015 WFDSS Refresher

Slide 5

The screenshot shows the 'Wildland Fire Decision Support System' interface. At the top, there is a header with the system name and contact information for accessibility and login issues. Below this is a section titled 'Preliminary User Qualifications' which explains the application's purpose and provides instructions for different user types: Federal Employees, Tribal Employees, and Other WFDSS Partners. Each section lists specific requirements and contact points. At the bottom of the page, there are 'Cancel' and 'Continue' buttons.

**Wildland Fire Decision Support System** For assistance with website accessibility, please contact the Wildland Fire Mission Support Center at 202-411-8107. For assistance with Login/Password, contact the Help Desk at 800-224-7977. [Help](#) [Home](#)

### Preliminary User Qualifications

The WFDSS application is intended for use by the US federal government for managing wildland fires. Please read the following to verify you qualify as an authorized user for this application. If you meet the qualifications, then press the continue button to proceed to the next page.

#### Federal Employees

Federal employees with a valid email address will automatically be granted viewing privileges within the WFDSS application. An email address is considered valid if it is from one of the following domains:

- .usa.gov
- .mil.gov
- .fs.fed.us
- .fas.gov
- .fak.gov
- .fpi.gov

Federal employees without a valid email address should follow the instructions below provided for other WFDSS partners.

#### Tribal Employees

**Tribal employees** please contact your regional BIA WFDSS Geographic Area Editor. Your FMO, or BIA Regional FMO, will know the contact information for each region. DCS security training will need to be successfully completed before the GA Editor can grant you access.

#### Other WFDSS Partners

**Non federal WFDSS partners** (as well as federal users without a pre-authorized email address) may gain access to the application by:

1. Contacting the BIA Help Desk to determine which Geographic Area Editor (GAE) should be contacted. The BIA Help Desk can be contacted at:
  - helpdesk@bim.wecg.gov (add WFDSS to subject line), or
  - 866.224.7977, or
  - 866.228.0002.
2. Contacting the GAE to obtain sponsorship based on your business need.
3. Providing proof of completion of a similar Security Awareness training to the GAE. Security training can be:
  - through a state agency/local office, or
  - completing USDA AgLearns security training, or
  - Completing DOE on-line security training, or
  - Using CD versions of these training modules, or
  - Completing the hardcopy USDA PDF material provided by a Geographic Area Editor

-The next page

# 2015 WFDSS Refresher

Slide 6

Please supply the following information to request an account. Required items are indicated by asterisks (\*).

\*User Name  
[Text Input]

**Contact Information**

\*First Name [Text Input] \*Last Name [Text Input] Employer [Text Input]  
kathryn Pyne State of Alaska Div. of Fore.

\*Telephone Number [Text Input] \*E-mail Address [Text Input]  
907-256-5859 kathryn.pyne@alaska.gov

Cell Number [Text Input] Cell Phone Carrier [Text Input]  
907-371-7751 AT&T

Alternate E-mail Address [Text Input] [Generate alternate address from Cell Number and Carrier](#)  
peatro@alaska.net

**Security Question and Answer**

The Security Question and Answer are required for you to set / reset your password

\*Security Question / Hint [Text Input]

\*Security Answer [Text Input]

\*Confirm Answer [Text Input]

**Unit Selection**

**Geographic Area**

- Alaska
- Northwest
- Northern California
- Southern California
- Northern Rockies
- Great Basin
- Southwest
- Rocky Mountain
- Eastern
- Southern
- None

**Agency**

- Bureau of Indian Affairs/Tribal
- Bureau of Land Management
- Fish and Wildlife Service
- National Park Service
- USDA Forest Service
- State
- County & Local
- ANCSA Corporations
- Other

**Unit**

- AKD03 - Central Office
- AKD04 - Valdez-Outer Front Area Forestry
- AKD05 - Delta Area Forestry
- AKD06 - Fairbanks Area Forestry
- AKD07 - Fairbanks Area Forestry
- AKD08 - Fairbanks Area Forestry
- AKD09 - Fairbanks Area Forestry
- AKD10 - Fairbanks Area Forestry
- AKD11 - Fairbanks Area Forestry
- AKD12 - Fairbanks Area Forestry
- AKD13 - Fairbanks Area Forestry
- AKD14 - Fairbanks Area Forestry
- AKD15 - Fairbanks Area Forestry
- AKD16 - Fairbanks Area Forestry
- AKD17 - Fairbanks Area Forestry
- AKD18 - Fairbanks Area Forestry
- AKD19 - Fairbanks Area Forestry
- AKD20 - Fairbanks Area Forestry
- AKD21 - Fairbanks Area Forestry
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- AKD93 - Fairbanks Area Forestry
- AKD94 - Fairbanks Area Forestry
- AKD95 - Fairbanks Area Forestry
- AKD96 - Fairbanks Area Forestry
- AKD97 - Fairbanks Area Forestry
- AKD98 - Fairbanks Area Forestry
- AKD99 - Fairbanks Area Forestry
- AKD00 - Fairbanks Area Forestry

Submit Request | Return

Add your information – secret question/ answer.

## MODULE 2 PRE-SEASON TASKS

- Review Land/Resource Management Plan Guidance
- Review/Update Unit Fire Management Plan
- Review/Update AWFMP Fire Management Options
- Review/Update Unit Known Sites
- Pre-season coordination meeting between Jurisdictional & Protecting Agencies
- WFDSS Administration (Revalidate User Accounts/Roles/Passwords)
- WFDSS Data Management (Review/Update Strategic Objectives and Management Requirements)

Most are designed to be uploaded in WFDSS pre-season – spatial planning – site specific.

Here are other pre-season tasks.

Manage Unit/ FMU Strategic Objectives and Management Requirements (Data Manager role).  
Based on Unit Land Resource Management Plan and Fire Management Plan

- Strategic Objectives deal with large areas over long time periods and project intended outcomes of management activities that contribute to the maintenance or achievement of desired conditions.
- Management Requirements – directives, standards, specifications or constraints that must be complied when implementing management actions

Spatial planning

- Strategic Objectives and Management Requirements associated with shapes
- Auto –populate based on incident shapes
- No spatial planning in Alaska yet, US Forest Service implementing this year.

FMU Planning (not spatially enabled)

- Manually applied to incidents through FMU/SO list tab in left hand menu.

FMU Planning (spatially enabled)

- Similar to Spatial Planning but not as flexible
- SOs,/ MR associated with FMUs and apply to all incidents in FMU

## MODULE 2: STRATEGIC OBJECTIVES

The screenshot displays a web-based interface for managing strategic objectives. At the top, there are three filter sections: 'Active Status' with radio buttons for 'All', 'Currently Active', and 'New Active'; 'Objective Type' with checkboxes for 'Incident Objective', 'Incident Requirement', 'Strategic Objective', and 'Management Requirement'; and 'Alert Decision' with radio buttons for 'No Filter', 'Included', and 'Excluded or Excluded'. Below these filters is a table titled 'Incident Objectives/Requirements for Deep Lake'. The table has columns for 'Unit', 'Objectives', 'Type', 'Scheduled', 'Deadicated', 'Included', and 'Objective Requirement'. The data rows include various fire management options and requirements for different units like AK Fire Mgmt Options and AKTER, with specific dates and detailed descriptions of the requirements.

Unit	Objectives	Type	Scheduled	Deadicated	Included	Objective Requirement
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.
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> Control fire with initial action forces.
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.
AKTER	Strat Obj	04/30/2013				<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.
AKTER	Strat Obj	04/30/2013				Protect residences, businesses, and infrastructure in the Alaska Highway corridor from the impacts of wildland fire.
AKTER	Strat Obj	04/30/2013				Protect the communities of Northway, Northway Junction, Port Airan, and Beaver Creek from the impacts of wildland fire.
AKTER	Strat Obj	04/30/2013				Protect Native Allotments from the impacts of wildland fire.
AKTER	Strat Obj	04/30/2013				Provide protection for Identified Koonm Sites within and around the refuge from the impacts of wildland fire.

View of the Strategic Objectives

# 2015 WFDSS Refresher

Slide 9

## MODULE 2: MANAGEMENT REQUIREMENTS

The screenshot displays a software interface for managing fire management requirements. At the top, there are three filter sections: 'Active Status' with radio buttons for 'All', 'Currently Active', 'New Tasks', and 'Active on'; 'Objective Type' with checkboxes for 'Incident Objective', 'Incident Requirement', 'Strategic Objective', and 'Management Requirement'; and 'Next Decision' with radio buttons for 'In the Flow', 'Included', and 'Included or Excluded'. Below these filters is an 'Apply Filter' button. The main area is titled 'Incident Objectives/Requirements for Deep Lake' and contains a table with columns for 'ID', 'Name', 'Status', 'Type', 'Last Modified', 'Excluded', and 'Included'. The table lists several 'Mgmt Req' entries with their respective descriptions. At the bottom, there is a 'Page 1 of 3 Rows per Page: 20' and a 'Print' button.

ID	Name	Status	Type	Last Modified	Excluded	Included
						Objective/Requirement
						Minimize the disruptions to local economies and seek opportunities to offset disruptions to businesses in all local communities adjacent to the fire area.
ACTR	Mgmt Req	04/30/2015				The incident initial response to fire should be based on the JMWFP Management Options or the point of origin, management actions beyond initial response should consider the full range of strategic options appropriate for accomplishing objectives.
ACTR	Mgmt Req	04/30/2015				The use of Heavy Equipment on Refuge Lands requires written pre-authorization (incident specific or programmatic) by the Refuge Manager or designee.
ACTR	Mgmt Req	04/30/2015				The use of Fire Suppression Chemicals (Retardant) on Refuge lands requires written pre-authorization (incident specific or programmatic) by the Refuge Manager or designee.
ACTR	Mgmt Req	04/30/2015				Consider the potential impacts of roads to communities and the Alaska Highway corridor in all fire management decisions and implement appropriate mitigations.
ACTR	Mgmt Req	04/30/2015				Avoid ground disturbance in the vicinity of identified cultural sites.
ACTR	Mgmt Req	04/30/2015				Avoid disturbance of identified water nesting sites.
ACTR	Mgmt Req	04/30/2015				Annually re-evaluate known fire data and ensure that sites are current and designated protection levels remain appropriate (when necessary).
ACTR	Mgmt Req	04/30/2015				Annually re-evaluate that JMWFP Fire Management Options in and around the Refuge remain appropriate and work with partners to adjust as necessary.
ACTR	Mgmt Req	04/30/2015				Consider joint protection of remote values, habitat strategies, and the use of natural barriers as alternatives to direct containment efforts in order to minimize firefighter exposure.
ACTR	Mgmt Req	04/30/2015				Maintain effective two-way communications with partners and the public regarding fire management activities.
ACTR	Mgmt Req	04/30/2015				Comply with ADF&G permitting requirements for water withdrawal and stream crossings.

View of the Management Requirements –

**MODULE 3 FIRE INITIATION NOTIFICATION**

Incident Information

Incident Name: Deep Lake

Fire Code: D4TX

Point of Origin Latitude: 82 78333 or 82 46 00.0

Point of Origin Longitude: 141 78333 or 141 46 00.0

Unique Fire Identifier: 2015 AKAS 201501

Incident Cause:  Natural  Human

Responsible Unit Name: Tok Area Forestry

Geographic Area (prep level): Alaska (L)

Owner Name: Buttery, Peter

Incident Dates

Discovery Date: 04/10/2015

Discovery Time: 13:56

Containment Date: [ ]

Containment Time: [ ]

Controlled Date: [ ]

Controlled Time: [ ]

Out Date: [ ]

Out Time: [ ]

Other Information

Jurisdictional Agency Unit at Point of Origin: AKTER Tetlin National Wildlife Refuge

Landscape Data Source:

- Alaska LANDFIRE 2010 1.2.0
- Alaska Refresh 2008 1.1.0
- CA Landscape 2010
- Hawaii LANDFIRE 2010 1.2.0
- Hawaii Refresh 2008 1.1.0a
- LANDFIRE 2010 1.2.0
- LANDFIRE 2012 1.3.0

Jurisdictional Agency(ies):

- Bureau of Indian Affairs/Tribal
- Bureau of Land Management
- Fish and Wildlife Service
- National Park Service
- USDA Forest Service
- State
- County & Local
- ANCA Consortium

## Modular 3 Incident Initiation

All Alaska incidents will be initiated wither in Fire Beans or IFM by a Protecting Agency dispatch Office and migrated to WFDSS through IRWIN. Most fields will be read-only in WFDSS (greyed out).

- Protecting and Jurisdictional FMOs should review the data on the Information tab and ensure that the information is correct. See AK AOP Table 5.
- The information tab – most fields will be read only in WFDSS (greyed-out)
  - Changes should be made in CAD (IFM/ Fire Beans) to ensure data consistency
- Ownership of the incident should be accepted by the Jurisdictional agency and privileges should be granted t appropriate jurisdictional, Protecting and Fiscally responsible representatives.
- Jurisdictional will choose fMU (Strategic Objectives/ Management requirements)

**Nationwide review of 2014 fires found that there was a disparity between the decision, the delegation of authority, leader’s intent and the In Briefing package.**

Validate initial response and assess initial organization requirements

# 2015 WFDSS Refresher

Slide 11

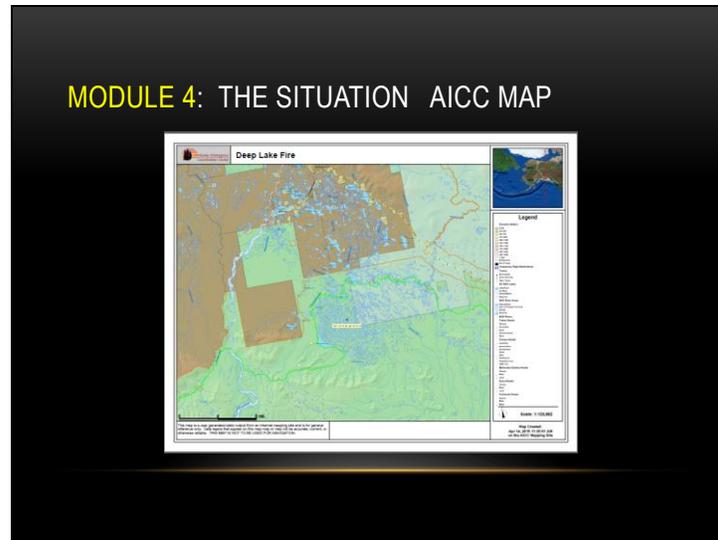
### MODULE 3: INCIDENT PRIVILEGES

Owner	Edit	Review	Approve	Email	User Name	E-mail Address	Phone Number	Geographic Area	Agency	Role
<input checked="" type="checkbox"/>	Butler, Peter	peter.butler@alaska.gov	907-256-5074	alaska	USFWS AKDOK	Geographic Area Editor, Fire Behavior Specialist, Data Manager				
<input checked="" type="checkbox"/>	Doherty, Tim	tim.doherty@alaska.gov	907-473-2070	Alaska	State AKDWS	Author				
<input checked="" type="checkbox"/>	Haugen, Brian	brian.haugen@alaska.gov	907-455-1833	Alaska	USFWS AKDAR	Author, Fire Behavior Specialist, Data Manager				
<input checked="" type="checkbox"/>	Hill, Jerry	jerry.hill@alaska.gov	907-983-9403	Alaska	USFWS AKCTE	Viewer				
<input checked="" type="checkbox"/>	Petersen, Brandon	bpetersen@alaska.gov	907-256-5077	Alaska	BLM	Author, Data Manager				
<input checked="" type="checkbox"/>	Pynn, Kathryn	kathryn.pynn@alaska.gov	907-256-5038	Alaska	State AKAKS	Geographic Area Editor, Data Manager				

Note – the individual must have a WFDSS account and be in the system  
Ownership of the incident should be accepted by the Jurisdictional Agency and privileges should be granted to the appropriate people.

See Alaska Statewide Annual Operating Plan Table 5

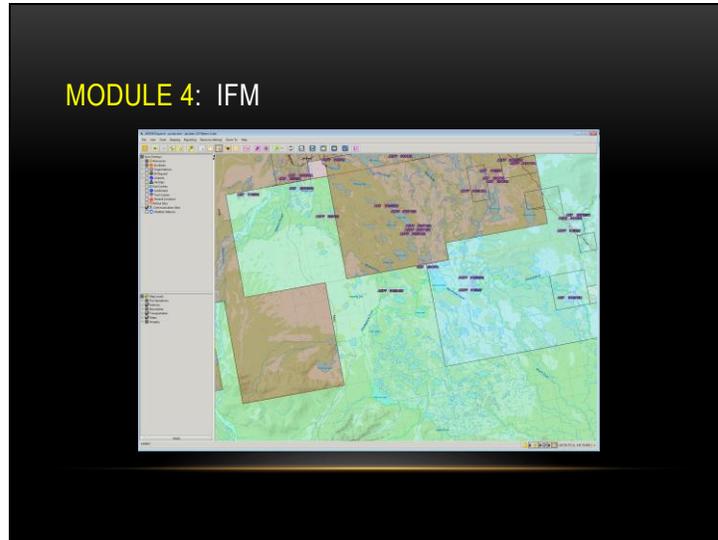
- Jurisdictional FMO – Owner / Editor
- Jurisdictional Agency Administrator – Approver/ Editor
- Protecting FMO/ Agency Administrator – Approver/ Editor
- Fiscal Approver – Approver/ Editor.



Map from AICC site

- Statewide Fire Management Options are not available in Production (they are working on it).
- Perimeters, Objective Shapes, Analysis shapes, and M.A.P. s can be uploaded from GIS or created
- Planning Area and Points of Interest (one at a time must be added within WFDSS)
- Base Layers
  - Google Map imagery good – but does not publish requires screen capture
  - WFDSS Tops – distorted projection –
- Fire Environment and Safety
  - MODIS/ VIIRS
- Disturbance History – fire history
- Boundaries
  - Jurisdictional Agencies
  - Responsible Agencies
- Designated Areas i.e. Wilderness
- Unit Fire Planning
- Best to open maps on AIC website including Known Sites or IFM concurrently with WFDSS and screen capture.

Slide 13

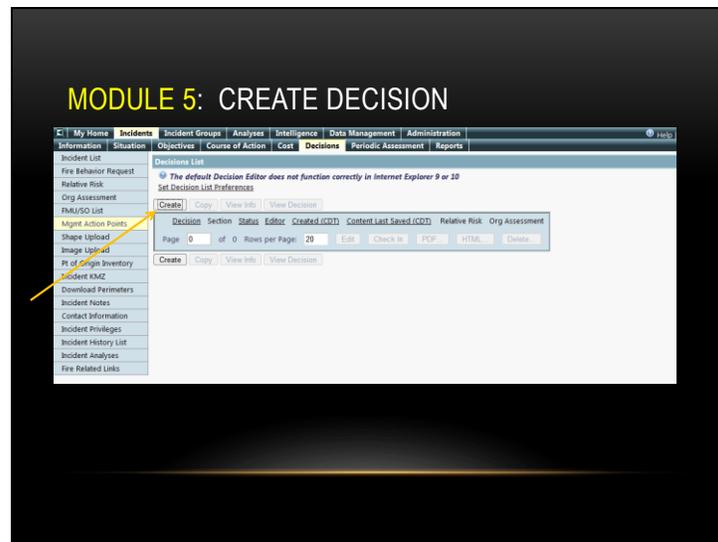


Map from the Integrated Fire Management System (IFM) – State of Alaska

# 2015 WFDSS Refresher

Slide 14





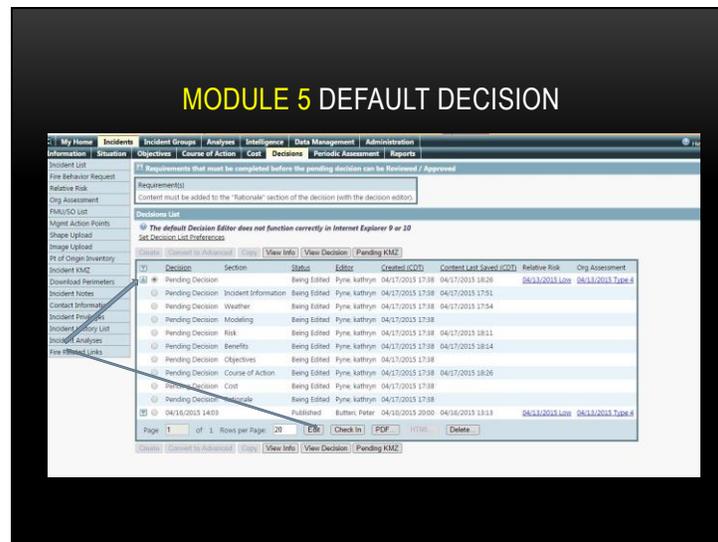
Module 5- need to create a decision

## Default Decision requires Internet Explorer 11 or Chrome

- When is the decision required – Red Book Policy
  - Limited / no action fires escape initial attack; extended attack, multiple objectives, resource management objectives.
    - Suggest that most of the limited fires that remain active longer than a couple of weeks have a resource objective and a protection objectives
- No Default objective or validation tab this year.
  - Periodic assessment only available after a decision published.
- Limited –no action fire
  - Create Monitor course of action
  - Use incident notes to document revalidation
- There is Default Decision and Advanced Decision
  - Advance Decision is “old” decision and for those with older internet explorer
  - Default Decision is new decision – required with Internet Explorer 11 and Chrome.
  - Be careful about how you tab

# 2015 WFDSS Refresher

Slide 16



Modular 5 – to access select pending decision and then Edit Default Decision Editor new in 2015

Decision Requirements Checklist

Navigate using vertical tables

Left to right

Come are auto generated some are customizable

Save and Return

Check In / Out Section

\* if you click on the horizontal menu – you will be taken out of the default editor and will have to navigate back in

Remember to use the Save and Return Buttons when adding content

Check in / out section by section.

Note if you click on the horizontal menu you will be taken out of the editor and will have to navigate back in.

# 2015 WFDSS Refresher

Slide 17

## MODULE 5 DEFAULT DECISION

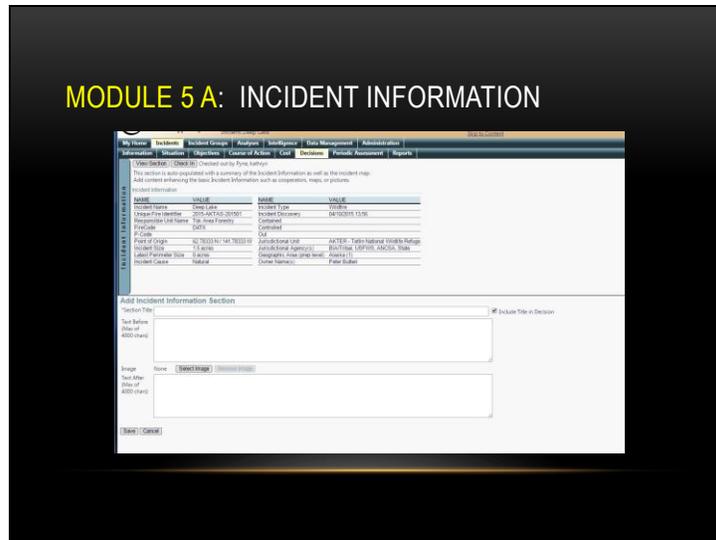
The screenshot displays the WFDSS web application. The browser address bar shows 'wfdss.usgs.gov/training/faces/jsp/assessment/Decisions.jsp'. The page title is 'Wildland Fire Decision Support System' with a sub-header 'National Preparedness Level 1' and 'Incident: Deep Lake'. A navigation menu includes 'My Home', 'Incidents', 'Incident Groups', 'Analysis', 'Intelligence', 'Data Management', and 'Administration'. A secondary menu shows 'Information', 'Situation', 'Objectives', 'Course of Action', 'Cost', 'Decisions', 'Periodic Assessment', and 'Reports'. The main content area is titled 'Decision Requirements' and contains a table with a 'Complete' column and a 'Requirement' column. The requirements listed are:

Complete	Requirement
<input checked="" type="checkbox"/>	A Unique Fire Identifier is required.
<input checked="" type="checkbox"/>	An Incident size greater than 0 acres is required.
<input checked="" type="checkbox"/>	A Planning Area shape file is required.
<input checked="" type="checkbox"/>	A Relative Risk Assessment is required.
<input checked="" type="checkbox"/>	An Organization Assessment is required.
<input checked="" type="checkbox"/>	A Decision Approver must be granted privileges.
<input checked="" type="checkbox"/>	A Strategic Objective or PMA Code must exist in the list of PMA/COs for the incident.
<input checked="" type="checkbox"/>	At least one Action Item must be included in the Course of Action.
<input checked="" type="checkbox"/>	An Estimated Cost is required for the incident.
<input checked="" type="checkbox"/>	Content must be added to the "Narrative" section of the decision.

This will give you a list of the items that need to be completed – the check mark indicates complete

# 2015 WFDSS Refresher

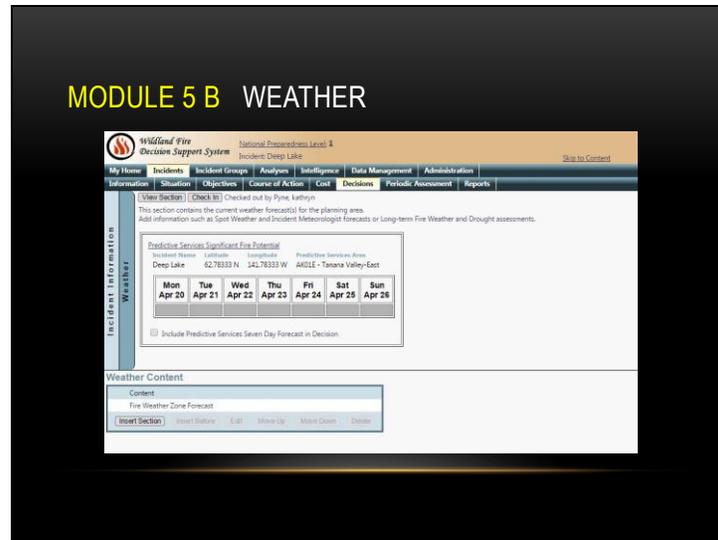
Slide 18



Module 5A – if you wish to add additional information / image – click Add Incident Information Section

# 2015 WFDSS Refresher

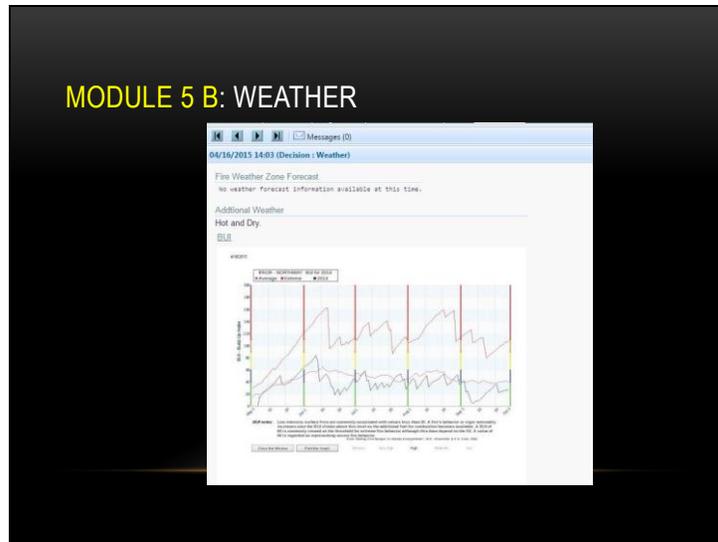
Slide 19



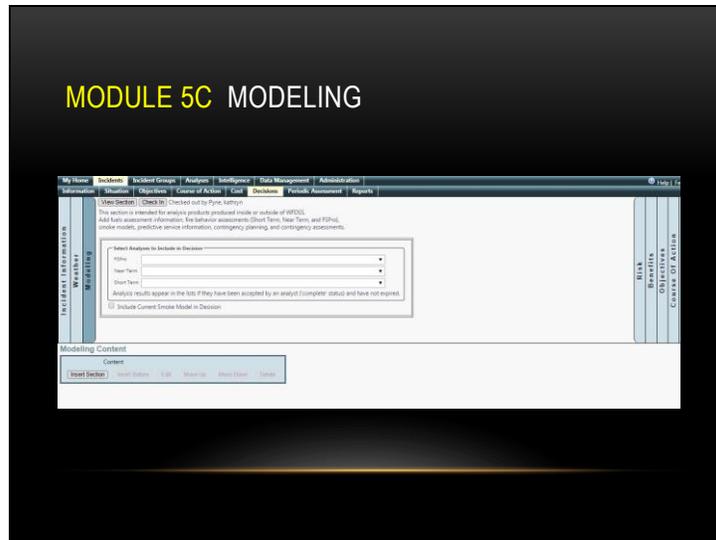
Modular 5 B– parts of the decision editor  
Incident Information – as mentioned this is read only  
however there is the ability to insert images, information.

Weather – auto populated with zone forecasts  
able to insert section including images  
The Weather forecast current stays current until published.  
Does not auto-populate in Training

Slide 20



Module 5B – added additional information

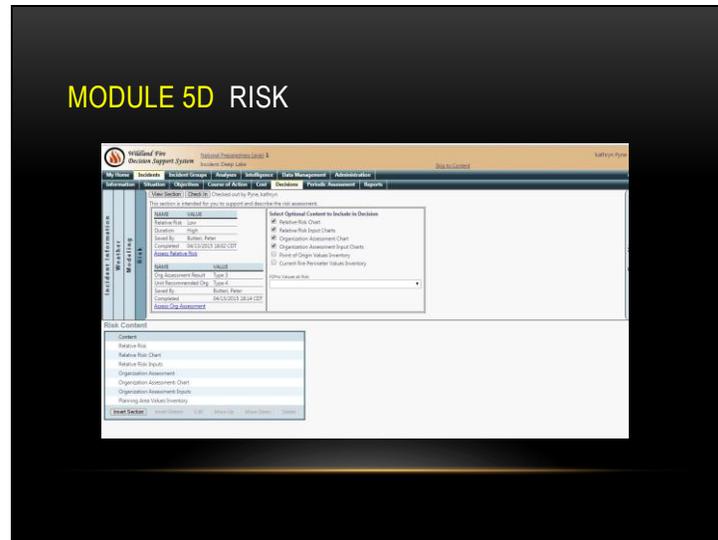


Module 5C Modeling: This section must be pre requested – in order for the items to be included in the decision.

- Short Term 1-3 days
- Near Term 1-6 days
- FSPPro - > 6 days.

Alaska Process Guide under review – the information will be posted in the Agency Administrative Guide appendix.

- Call First
- Be prepared to discuss your concerns and provide additional input.
- Pool of Alaskan analysts available. If not then analyst will be assigned from the National pool.
- If you place an online request – may have a delayed response.
- Last part of this slide section – additional material including imagery.



Module 5D Risk remember one does not have to complete the decision in order from left to right –

To make changes/ add – select assess Relative Risk

Risk – Assess Relative Risk

Risk Assessment:

Values: Natural/ cultural/ and infrastructure; proximity and threat to values, social/economic concerns

Hazards: fuel conditions, fire behavior, potential fire growth

Probability: time of season, barriers to spread, seasonal severity

## MODULE 5D RISK

**Relative Risk**

Relative Risk: Potential Fire Duration  
**Low** High  
Severity: Assessment Potential  
Butterli, Peter 04/13/2015 10:02 CDT

Relative Risk Notes  
Historically, fires in this lake/region of the Park have remained active throughout the season, but their spread has been limited by the maze of lakes and wetlands that characterizes the area.

**Values**

Values Notes  
There are few identified values in the immediate area of the fire. The nearest of three allotments and three cabins in the planning area ensuring protection is four miles to the north. Smoke visible

**Hazards**

Hazard Notes  
Indices are consistently high, however the potential for sustained runs and fire growth are limited by the numerous lakes and wetlands surrounding the fire.

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**MODULE 5D RISK IN VIEW**

The screenshot displays the 'WFDSS Risk In View' interface. At the top, it shows the title 'MODULE 5D RISK IN VIEW'. Below this, there is a section for 'Decision Risk' with the following details:

- Decision Risk: **UNDEC**
- Decision Risk Link: [Link]
- Location: High
- Created By: **Burton, Peter**
- Completed: **2015/09/16 02:00**

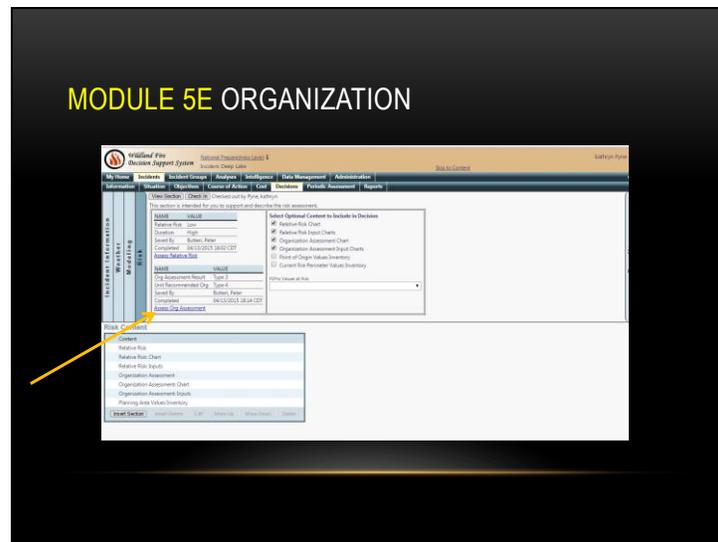
Below the metadata, there are several sections of text:

- Relative Risk Notes:** A paragraph describing the risk level and the impact of the decision.
- Risk Notes:** A paragraph detailing the risk level and the impact of the decision.
- Probability Notes:** A paragraph detailing the probability of the risk occurring.

At the bottom of the screenshot, there is a 'Relative Risk Chart' which is a 2D plot. The vertical axis is labeled 'Probability' with values 'Low', 'Med', and 'High'. The horizontal axis is labeled 'Risk' with values 'Low', 'Med', and 'High'. A diagonal line runs from the bottom-left to the top-right, dividing the plot into two regions. The region below the line is shaded green and labeled 'Acceptable', while the region above the line is shaded orange and labeled 'Unacceptable'.

Module 5D Risk remember one does not have to complete the decision in order from left to right –

To view the risk and the notes select view section



To assess Organization

Organizational Assessment:

Implementation difficulty: duration, incident strategies, functional concern

Socio / Political Concerns

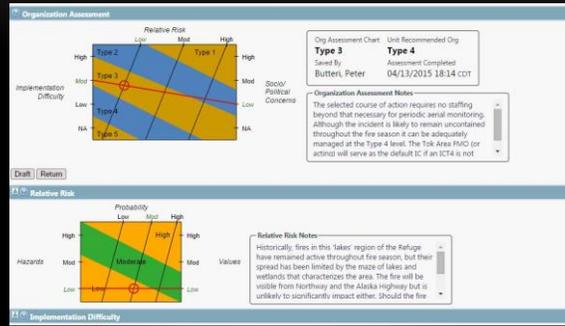
External Influences: such as limited local resources

Ownership Concerns – Need to document: Consideration disagreements over policy, responsibility, and or management response, different or conflicting management objectives, ...

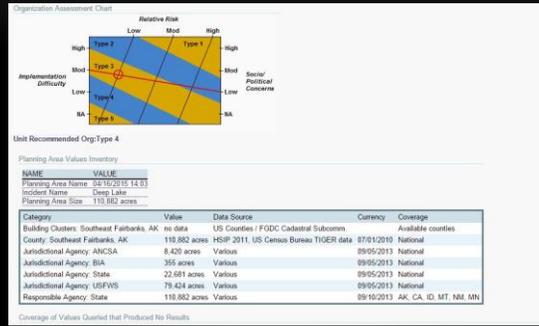
Current version recommends organization and allows override.

Long duration fires always recommend 3,2,or 1 in Alaska unstaffed Limited fires should be overridden to Type 4 with Notes.

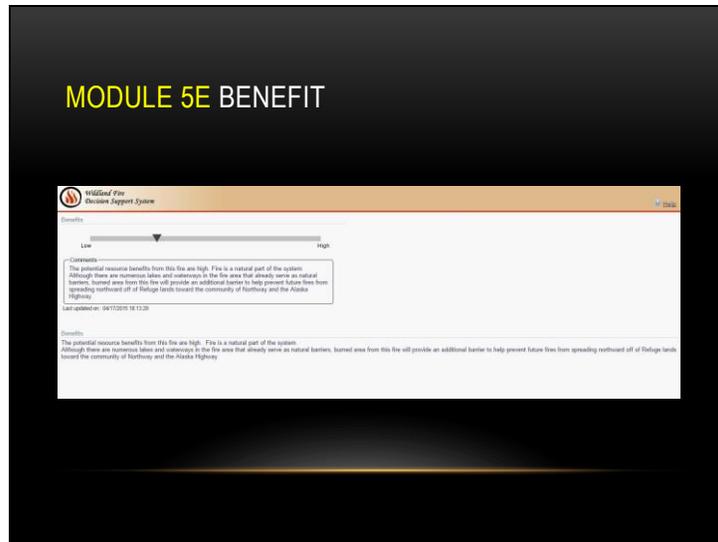
## MODULE 5 D ORGANIZATION ASSESSMENT



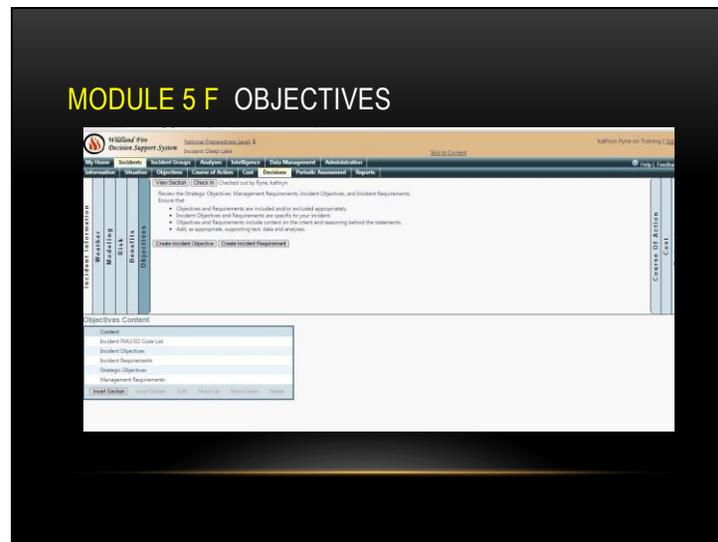
## MODULE 5 D ORGANIZATIONAL







View of the Benefit – if include the slider



## Objectives

***Remember the Strategic Objectives and Management requirements auto populated based on FMU selection***

Incident objectives: primary method of directing actions and will greatly influence the fire cost, duration and outcomes. The incident objectives are documented in the WFDSS, Delegation of Authority and the IAP. These objectives reflect the Agency Administrator's intent – desired outcomes and avoid and avoid the undesirable consequences.

- Alignment with LRMP
- Clear and few in number
- What when where why
- Give an overall sense of priority

Incident Requirements – related to laws and agency policy – which limit or prohibit specific actions. Requirements are also documented in the WFDSS, Delegation and IAP.

***Think about how to communicate the Leader's Intent, and assist the IMT in understanding the priorities of the incident: What, Where, When, and Why. The How is negotiated with the Team.***

# 2015 WFDSS Refresher

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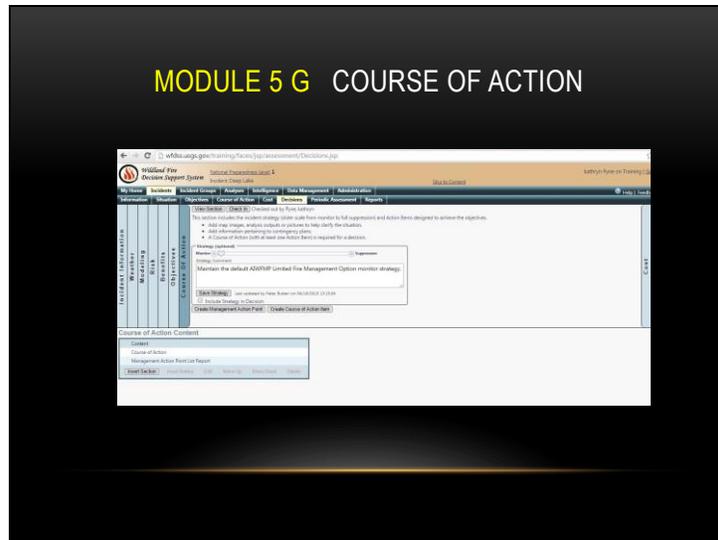
The screenshot displays the WFDSS interface with the following sections:

- Wildland Fire Decision Support System** (Header)
- Incident FIRM Strategic Objective Code List**
  - Code: FIRM/Strat Obj Code
  - AK/TER: Unit Boundary - Tattus National Wildlife Refuge
- Strat Fire Planning Inventory**

Category	Value	Data Source	Currency	Coverage
AK Fire Mgmt Options: Full	11,151 acres	BLM Alaska Fire Service	2012	Alaska
AK Fire Mgmt Options: Limited	73,016 acres	BLM Alaska Fire Service	2012	Alaska
AK Fire Mgmt Options: Modified	26,066 acres	BLM Alaska Fire Service	2012	Alaska
- Incident Objective List**
  - Activated - Incident Objective**
    - 08/10/2015 Monitor the incident, allowing it to spread naturally unless it threatens allotments, Native Corporation lands, or protected Koonas Sites.
  - Incident Requirement**
    - 04/10/2015 Monitor smoke impacts to the corridor of Northway and Northway Junction, to Northway Airport, and to the Alaska Highway corridor. Maintain a dialog with communities, the FAA, and highway travelers regarding smoke conditions concerns. Consider mitigation options if highway safety, aircraft safety, or sensitive populations may be affected by smoke.
    - 04/10/2015 The use of heavy equipment on Refuge lands is not appropriate in this time due to commercial, scientific, and preservation zones in the area.
    - 04/10/2015 The use of Fire Suppression Chemicals (Retardant) on Refuge lands requires written pre-authorization by the Refuge Manager or delegate. In order to avoid delays, pre-authorization for likely areas of application should be sought as soon as a potential need is recognized.
    - 04/10/2015 Provide regular fire information updates to:
      - U.S. Customs
      - Northway F&A
      - Tattus NWS Headquarters
      - Tattus NWS Visitor Center
      - Northway Village Council
      - The AFPLC Visitor Center
- Strategic Objective List**

Code	Shape/FAU	Activated	Strategic Objective
AK Fire Mgmt Options	02/14/2013	Modified Management Option	Weigh cost and associated environmental impacts of the suppression actions against the values to be protected.
AK Fire Mgmt Options	02/14/2013	Limited Management Option	Use sufficient 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	02/14/2013	Modified Management Option	Control fires with initial action forces.
AK Fire Mgmt Options	02/14/2013	Full Management Option	Control all wildland fires at the smallest average reasonably possible with initial action forces without compromising public or firefighter safety.
AK Fire Mgmt Options	02/14/2013	Limited Management Option	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 availability.
AK/TER - 0846	04/10/2015		Protect the communities of Northway, Northway Junction, Fort Alena, and Beater Creek from the impacts of wildland fire.

Module – Objectives - view



## Module 5G Course of Action

An overall plan that describes the selected strategies and management actions to meet the incident objectives of requirements.

Management Action Points – if spatial create in Situation Tab or import

Condition

Action

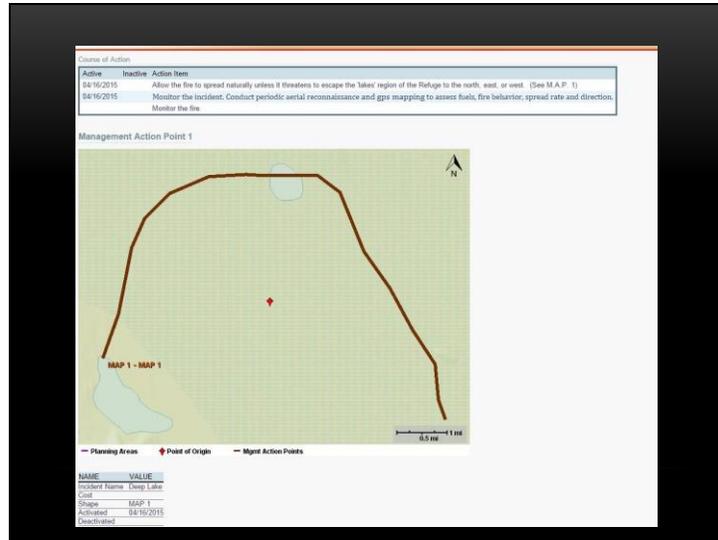
Resources

The Relative Risk Assessment (RRA) and the Course of Action (COA) are linked where the RRA identifies the values/ benefits and the COA is the plan to control the risk or to enhance the benefits.

The Agency Administrator needs to add information regarding the expectations and the higher priority.

# 2015 WFDSS Refresher

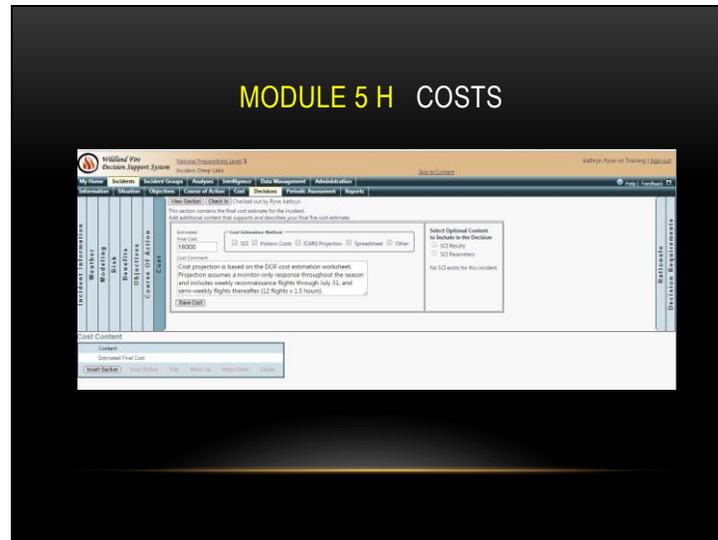
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Module 5 Course of Action View

# 2015 WFDSS Refresher

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Module 5 H Costs can add the spread sheet.

Cost (new in 2015)

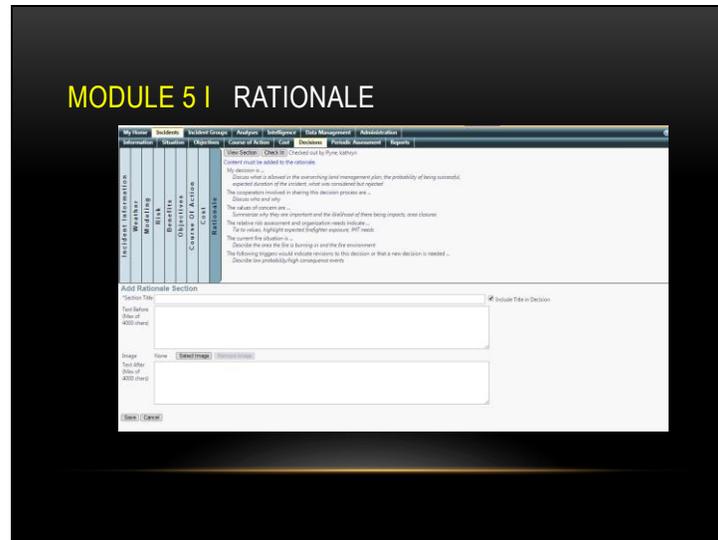
Projected cost

Allows comment

Insert section i.e. I suite,

Protecting Agency will have best information

Remember in some cases will have Jurisdictional, Protecting and Fiscal



Modular 5 continued

Synthesis of entire Decision

- My decision is – discuss what is allowed in the overarching land management plan, the probability of being successful, expected duration of the incident, what was considered but rejected.
- The cooperators involved in sharing this decision process are .. Discuss who and why
- The values of concern are.. Summarize why they are important and the likelihood of there being impacts, area closures
- The relative risk assessment and organization needs indicate – tie to the values, highlight expected firefighter exposure, IMT needs
- The current fire situation is... describe the area the fire is burning in and the fire environment.
- The following triggers would indicate revision to this decision or that a new decision is needed. Describe low probability / high consequences events.



## MODULE 6 APPROVAL

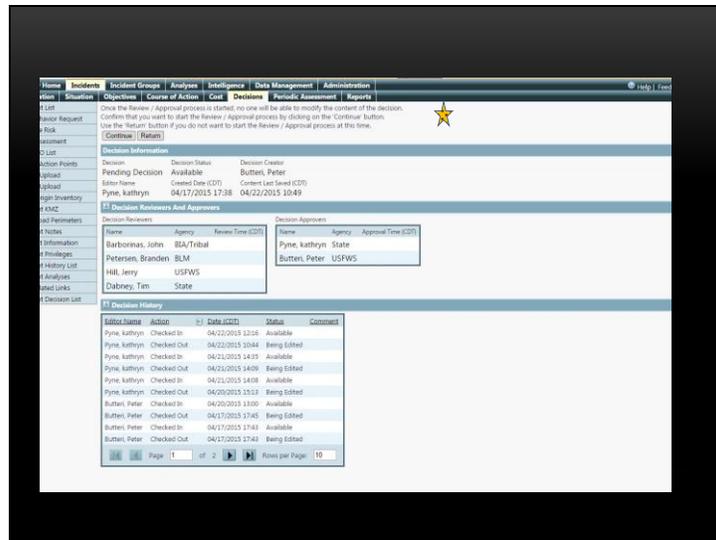
ID	Decision Section	Status	Editor	Created (CST)	Cost	Last Saved (CST)	Relative Risk	Orig Assessment
1	Pending Decision	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:49	04/17/2015 17:38	04/17/2015 Type 4	
2	Pending Decision - Incident Information	Available	Pyma, Kathryn	04/17/2015 17:38	04/17/2015 17:51	04/17/2015 17:38	04/17/2015 Type 4	
3	Pending Decision - Weather	Available	Pyma, Kathryn	04/17/2015 17:38	04/17/2015 17:54	04/17/2015 17:38	04/17/2015 Type 4	
4	Pending Decision - Modeling	Available	Pyma, Kathryn	04/17/2015 17:38	04/17/2015 18:11	04/17/2015 17:38	04/17/2015 Type 4	
5	Pending Decision - Risk	Available	Pyma, Kathryn	04/17/2015 17:38	04/17/2015 18:11	04/17/2015 17:38	04/17/2015 Type 4	
6	Pending Decision - Benefits	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:49	04/17/2015 17:38	04/17/2015 Type 4	
7	Pending Decision - Objectives	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:47	04/17/2015 17:38	04/17/2015 Type 4	
8	Pending Decision - Course of Action	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:47	04/17/2015 17:38	04/17/2015 Type 4	
9	Pending Decision - Cost	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:47	04/17/2015 17:38	04/17/2015 Type 4	
10	Pending Decision - Rationale	Available	Pyma, Kathryn	04/17/2015 17:38	04/22/2015 10:47	04/17/2015 17:38	04/17/2015 Type 4	
11	04/16/2015 14:03	Rathbun	Rathbun, Peter	04/16/2015 10:09	04/16/2015 10:13	04/16/2015 10:09	04/16/2015 Type 4	

Before you can begin the Review Approval Process

- Ensure that all parts of the decision process has been completed (see requirement box)
- Select Pending Decision
- Check in
- The Begin Review / Approval box should be editable

# 2015 WFDSS Refresher

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Once you begin – no one will be able to modify the content of the decision. Confirm you want to start

Check it in  
Draft PDF

Best to obtain consensus prior to beginning the review approval process avoids rejecting decisions.

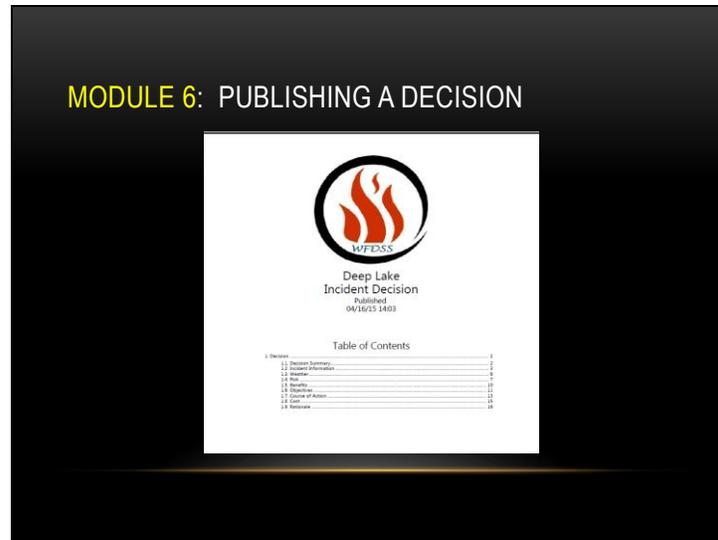
Confirm that appropriate approvers will be available to approve

Begin the process

Approve or reject

Set and save the periodic assessment timeline (14 days maximum)

Create and download published PDF



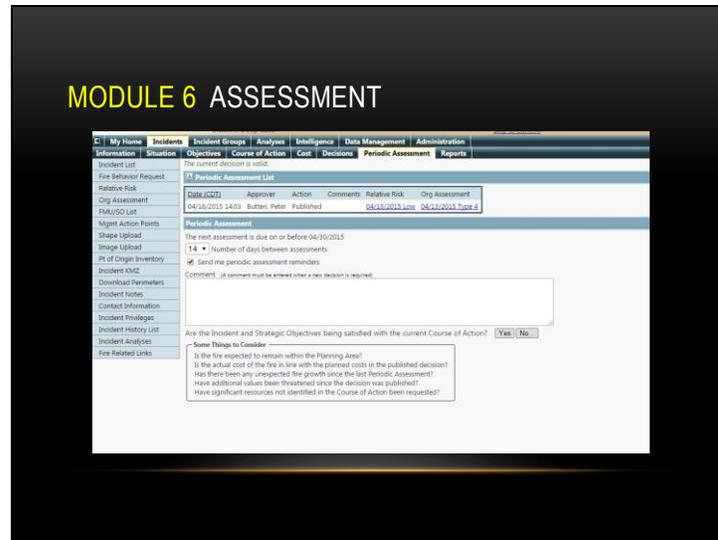
Module 6 publishing and periodic assessment

Remember – to allow editors time to review and edit– but not too much time to delay the process.

Once click the button for approving – “locks” the decision from others

# 2015 WFDSS Refresher

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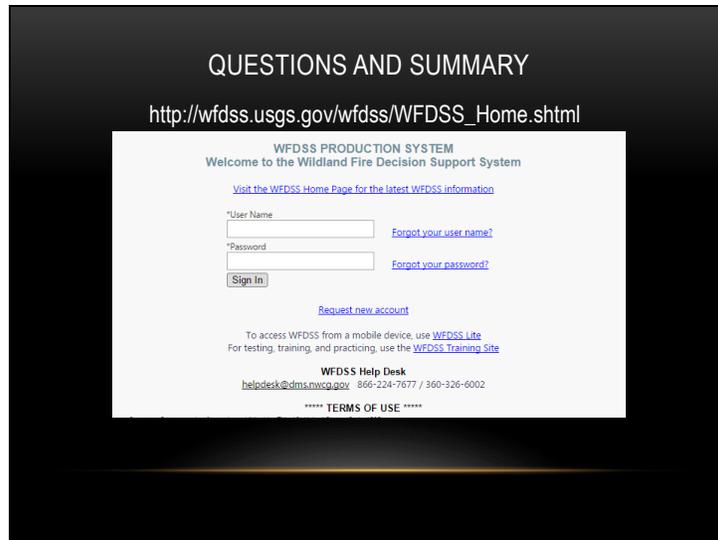
Any one approver can complete periodic assessment  
Are the incident and strategic objectives being satisfied with the current course of action?  
Is the fire expected to remain within the planning area?  
Is the actual cost of the fire in line with the planned costs in the published decision?  
Has there been any unexpected fire growth since the last assessment?  
Have additional values been threatened?  
Have significant resources not identified in the Course of Action been requested?  
For Unstaffed limited fires works well to complete assessment each time fire is monitored.

A new Decision can be initiated any time based on changing conditions and periodic assessments.

# 2015 WFDSS Refresher

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Ready to sign into Production?

## ANALYSIS

- Analyses must be requested prior to including the information in Decision
- Alaska Process (*under review*)
  - *Pool of Alaskan Analysts (if not, then National)*
  - *Call first*
    - *Have a question that needs an answer*
  - *If use On-line Fire Behavior Request – may be delayed response*

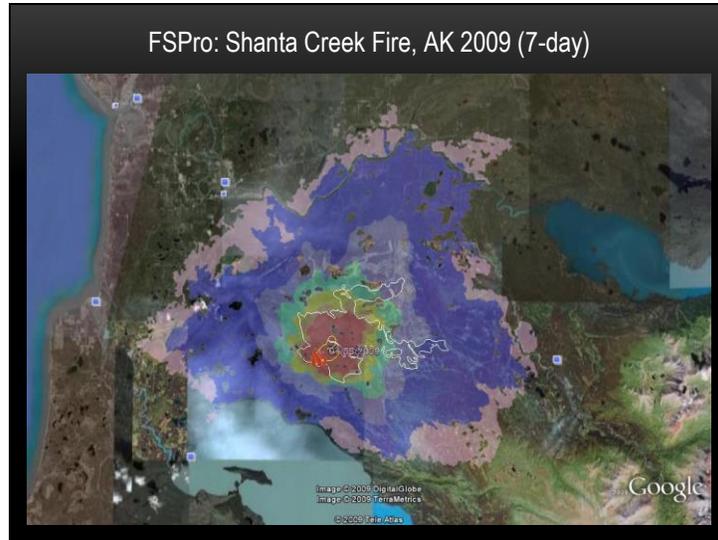
# 2015 WFDSS Refresher

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## ANALYSIS OPTIONS

Fire Growth Models in WFDSS			
Tools	Short-Term Fire Behavior (STFB)	Near-Term Fire Behavior (NTFB)	Fire Spread Probability (FSPro)
"Model"	Minimum Travel Time (MTT) (Finney 2002)	FARSITE (Finney 1998)	Minimum Travel Time (MTT) (Finney 2002)
Duration	1 to 3 burn periods	1 to 7 days	7 to 45 days
Weather	Daily, constant weather, wind, & fuel moisture*	Hourly, variable weather, wind, & fuel moisture	*plus ERC seasonal trend, auto-correlation, standard deviations & artificial time series
Gridded Wind	Yes (WindNinja)	No	No
Spotting	Yes (1 ember per node; start with .10% spotting probability)	Yes (16 embers per vertex; spotting probability value lower than STFB; start with .05%)	Yes (like STFB)
Principal Output(s)	Major flow paths; arrival times	Perimeter growth	Probability surface

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# 2015 WFDSS Refresher

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