

Wildland Fire Decision Support System (WFDSS) Review Tips

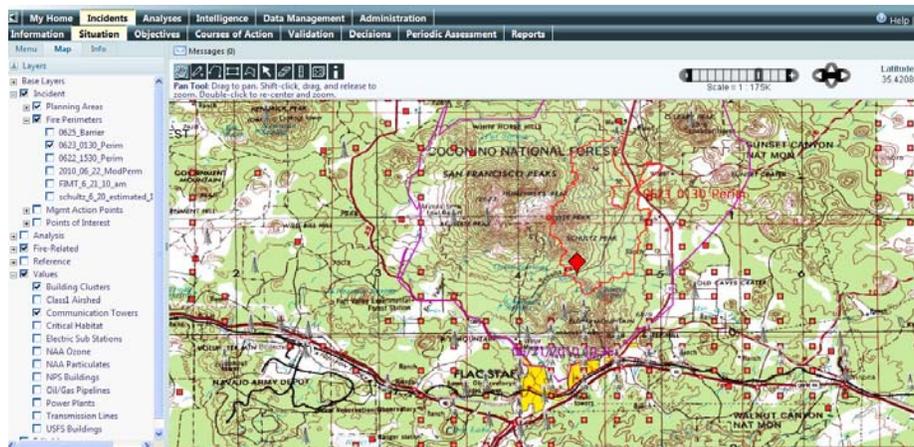
June 2010

This document provides information about reviewing an incident. It outlines what you will find in each section of an incident.

1. **Incidents > Information:** this section provides the fire basic information, the responsible agencies, and FIRECODE information

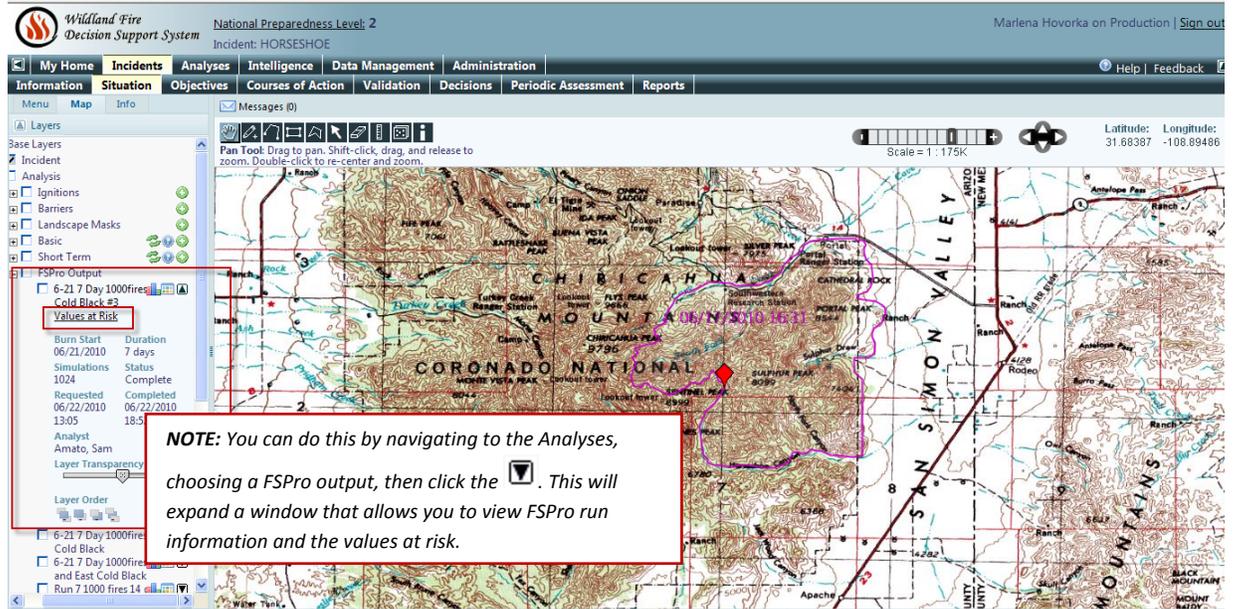
My Home	Incidents	Analyses	Intelligence	Data Management	Administration		
Information	Situation	Objectives	Courses of Action	Validation	Decisions	Periodic Assessment	Reports
Incident List	Edit Incident Information						
Fire Behavior Request	*Incident Name Schultz		Geographic Area Southwest	Group Owner Fleishman, Dick	Group Name coconino schultz	Transfer Ownership...	
RAVAR Request	*Point of Origin Latitude Deg Min Sec 35.28588 or 35 17 9.2		*Point of Origin Longitude Deg Min Sec 111.61394 or 111 36 50.2		Example: 39.527 Example: 105.3108		
Stratified Cost Index	Unique Fire Identifier 2010 - AZCOF - 000181		FireCode P3FGF9		Responsible Unit Name at Point of Origin Coconino National Forest		
Relative Risk	Calendar Year Unit Id Local Number						
FMU List	Final Fire Perimeter / Incident Size <input type="radio"/> Loaded The final fire perimeter can only be loaded if the fire is controlled or out AND a perimeter exists in WFDSS. <input checked="" type="radio"/> Not Loaded If the final fire perimeter is loaded, the incident size is set to the size of the most recent perimeter. Incident Size (acres) 14800.0						
Mgmt Action Points	*Discovery Date 06/20/2010		Discovery Time 11:15		Incident Cause <input type="radio"/> Unknown <input type="radio"/> Natural <input checked="" type="radio"/> Human		
Shape Upload	Containment Date		Containment Time		Is this a fire of National Significance? <input type="radio"/> Yes <input checked="" type="radio"/> No		
Image Upload	Controlled Date		Controlled Time		*Responsible Agency(s) <input type="checkbox"/> Bureau of Indian Affairs/Tribal <input type="checkbox"/> Bureau of Land Management <input type="checkbox"/> Fish and Wildlife Service <input type="checkbox"/> National Park Service <input checked="" type="checkbox"/> United States Forest Service <input type="checkbox"/> State <input type="checkbox"/> ANCSA Corporations <input type="checkbox"/> Other		
Download Perimeters	Out Date		Out Time		Landscape Data Source <input type="radio"/> Alaska - 2009 <input type="radio"/> Alaska LANDFIRE <input type="radio"/> CA Landscape 091409 <input type="radio"/> Hawaii LANDFIRE <input checked="" type="radio"/> LANDFIRE National 092909 <input type="radio"/> LANDFIRE Rapid Refresh <input type="radio"/> Western Northern Rockies		

2. **Incidents > Situation:** this is the mapping page. From here, you have access to the values layers and incident layers for easy viewing and overlaying.



From the Situation map, you can also view the Values at Risk results for accepted FSPro runs and other fire behavior models.

You can do this by navigating to the Analyses, choosing a FSPro output, then click the . This will expand a window that allows you to view FSPro run information and the values at risk.



NOTE: You can do this by navigating to the Analyses, choosing a FSPro output, then click the . This will expand a window that allows you to view FSPro run information and the values at risk.

When you click Values at Risk, you will get a report generated from the values layers available in WFDSS.

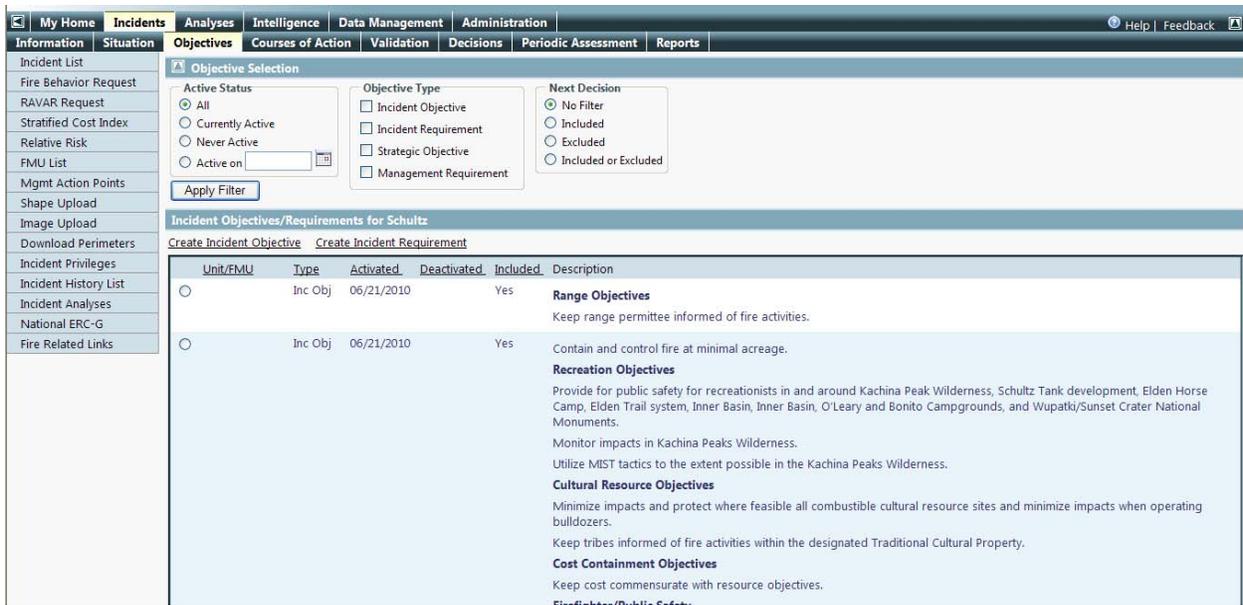
Values at Risk

Values List									
NAME	VALUE								
Incident	HORSESHOE								
Analysis	6-21 7 Day 1000fires East Cold Black #3								
Author	Irwin, Emily								
Analyst	Amato, Sam								
Latitude	31.81777								
Longitude	109.20238								
Geographical Area	Southwest								

Category	80-100%	60-79%	40-59%	20-39%	5-19%	0.2-4.9%	<0.2%	Expected Value
Building Clusters: Cochise	no data	no data	no data	no data	no data	no data	no data	no data
Class 1 Airsheds	2,198 acres	567 acres	781 acres	1,014 acres	1,623 acres	2,317 acres	1,896 acres	3,335 acres
Communication Towers	0	0	0	0	0	0	2	0.00
County: Cochise	2,463 acres	776 acres	1,086 acres	1,257 acres	3,080 acres	8,765 acres	4,556 acres	4,297 acres
Major Roads	0.0 miles	0.0 miles	0.0 miles	0.5 miles	0.6 miles	3.3 miles	1.5 miles	0.31 miles
Surface Mgmt Agency: BLM	0 acres	0 acres	0 acres	0 acres	0 acres	0 acres	1 acres	0.0 acres
Surface Mgmt Agency: State	0 acres	0 acres	0 acres	0 acres	0 acres	4 acres	62 acres	0.17 acres
Surface Mgmt Agency: USFS	2,463 acres	776 acres	1,086 acres	1,256 acres	3,057 acres	7,868 acres	3,809 acres	4,270 acres

Keep in mind, the decision editors may not have included all available decision support information in their decisions.

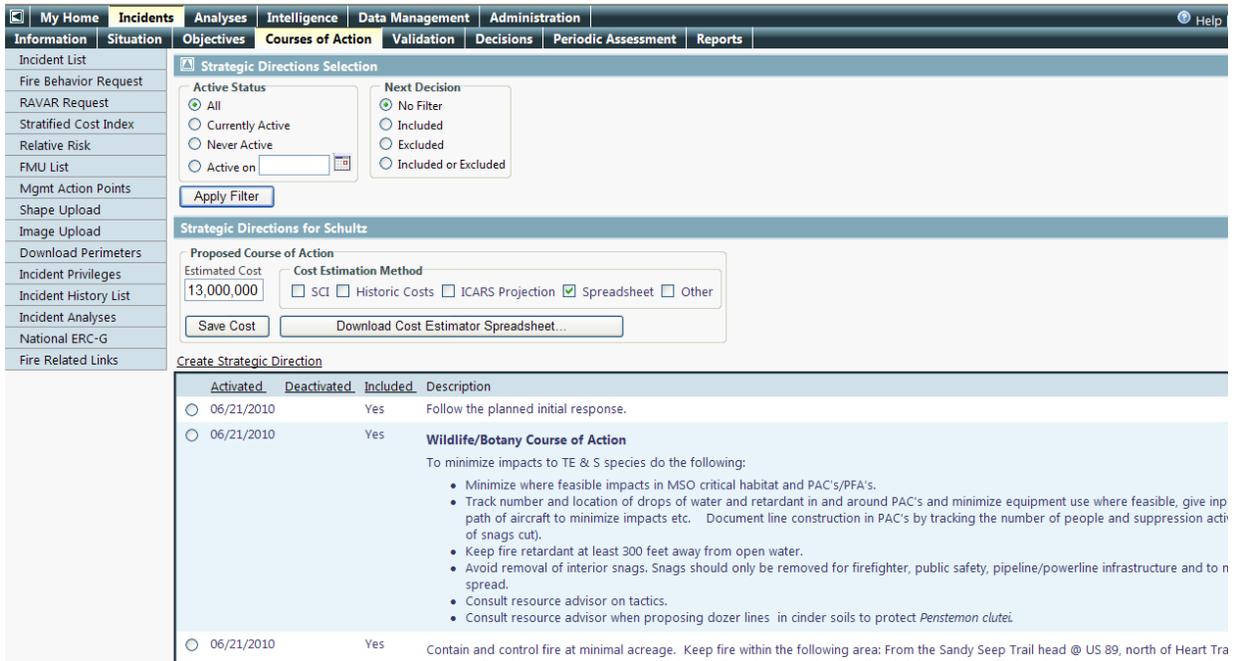
3. **Incidents > Objectives:** this portion allows you to view the Strategic Objectives/Management Requirements from the LMPs, FMPs, GMPs, etc. (overarching plan's info should be here)



Incident Objectives/Requirements for Schultz

Unit/FMU	Type	Activated	Deactivated	Included	Description
○	Inc Obj	06/21/2010		Yes	<p>Range Objectives Keep range permittee informed of fire activities.</p> <p>Recreation Objectives Provide for public safety for recreationists in and around Kachina Peak Wilderness, Schultz Tank development, Elden Horse Camp, Elden Trail system, Inner Basin, Inner Basin, O'Leary and Bonito Campgrounds, and Wupatki/Sunset Crater National Monuments. Monitor impacts in Kachina Peaks Wilderness. Utilize MIST tactics to the extent possible in the Kachina Peaks Wilderness.</p> <p>Cultural Resource Objectives Minimize impacts and protect where feasible all combustible cultural resource sites and minimize impacts when operating bulldozers. Keep tribes informed of fire activities within the designated Traditional Cultural Property.</p> <p>Cost Containment Objectives Keep cost commensurate with resource objectives.</p>
○	Inc Obj	06/21/2010		Yes	<p>Contain and control fire at minimal acreage.</p>

- Incidents > Courses of Action:** this should be the strategic direction provided by the unit to manage the fire. This portion also contains the estimated cost information and where it was derived from. Occasionally if a spreadsheet is used, units will include them in the decision document.



Strategic Directions Selection

Active Status: All, Currently Active, Never Active, Active on []

Next Decision: No Filter, Included, Excluded, Included or Excluded

Apply Filter

Strategic Directions for Schultz

Proposed Course of Action
Estimated Cost: 13,000,000
Cost Estimation Method: SCI Historic Costs ICARS Projection Spreadsheet Other

Save Cost | Download Cost Estimator Spreadsheet...

Activated	Deactivated	Included	Description
<input type="radio"/>		Yes	Follow the planned initial response.
<input type="radio"/>		Yes	Wildlife/Botany Course of Action To minimize impacts to TE & S species do the following: <ul style="list-style-type: none"> Minimize where feasible impacts in MSO critical habitat and PAC's/PFA's. Track number and location of drops of water and retardant in and around PAC's and minimize equipment use where feasible, give inp path of aircraft to minimize impacts etc. Document line construction in PAC's by tracking the number of people and suppression acti of snags cut). Keep fire retardant at least 300 feet away from open water. Avoid removal of interior snags. Snags should only be removed for firefighter, public safety, pipeline/powerline infrastructure and to n spread. Consult resource advisor on tactics. Consult resource advisor when proposing dozer lines in cinder soils to protect <i>Penstemon clutei</i>.
<input type="radio"/>		Yes	Contain and control fire at minimal acreage. Keep fire within the following area: From the Sandy Seep Trail head @ US 89, north of Heart Tra

- Incidents > Validation:** this portion should contain the information about why the courses of action are achievable, such as resource availability, fire behavior, and cost information.

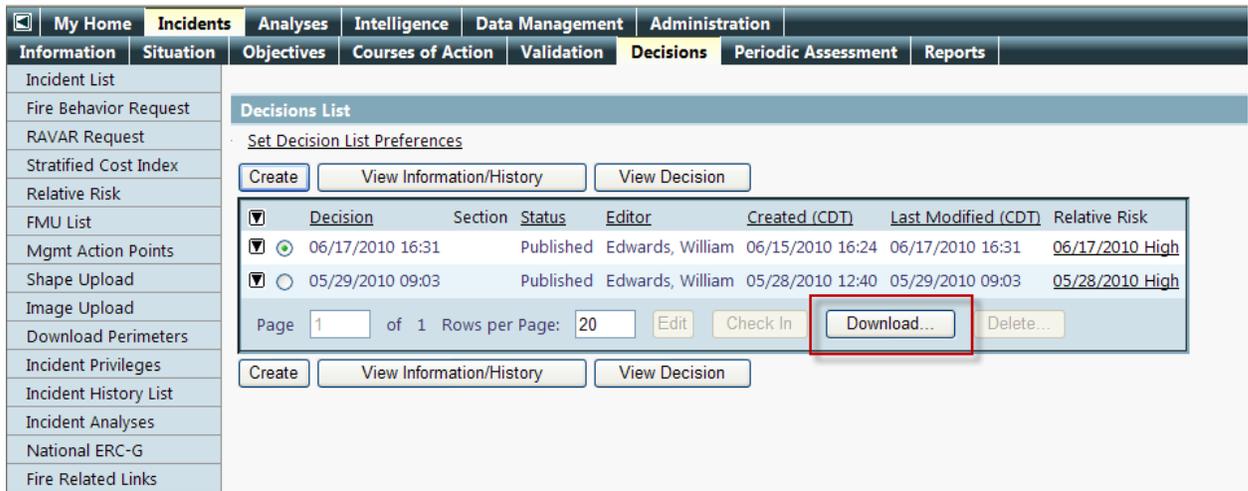


Validation History

Date (CDT)	User	Action	Comments
06/21/2010 10:35	Elson, Michael	Published	
06/21/2010 00:51	Fleishman, Dick	Incident and Strategic Objectives Being Satisfied	Fire is in unified command w/ USFS/State/NPS. In-briefing completed w/ coordinators from N County, Coconino County Sherriff Office, City of Flagstaff, Summitt Fire Department, FUSD, AP Hopi Tribe contacted via phone. Delegation of Authority signed and team will take over @ 6C
06/20/2010 21:22	Fleishman, Dick	Created	
06/20/2010 21:19	Fleishman, Dick	Strategic Objectives Being Satisfied	ID team met on 6/20/10. Including Mike Elson, Dick Fleishman, Frank Thomas, Craig Johnson, Justin Loxley. Created resource objectives and strategic objectives. Type I team has been orc at 2000 on 6/20/10. Alan Qwan will be the agency administrator. Evacuations are currently in- contacted and one powerline has been de-energized.

Validation
The current decision is still valid. No validation required as this time.

- Incidents>Decisions:** this is the area where you can download a published decision. The decisions download as a ZIP file. They need to be extracted for viewing and printing. We recommended using FSPDF writer to print to PDF.



My Home **Incidents** Analyses Intelligence Data Management Administration
 Information Situation Objectives Courses of Action Validation **Decisions** Periodic Assessment Reports

Incident List
 Fire Behavior Request
 RAVAR Request
 Stratified Cost Index
 Relative Risk
 FMU List
 Mgmt Action Points
 Shape Upload
 Image Upload
 Download Perimeters
 Incident Privileges
 Incident History List
 Incident Analyses
 National ERC-G
 Fire Related Links

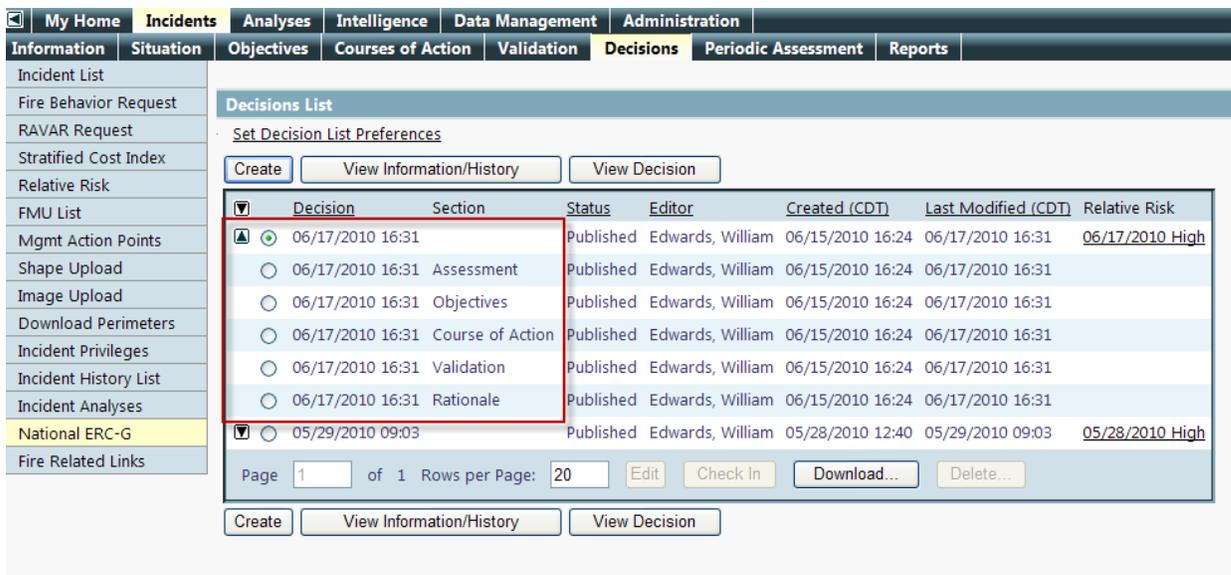
Decisions List
 Set Decision List Preferences
 Create View Information/History View Decision

Decision	Section	Status	Editor	Created (CDT)	Last Modified (CDT)	Relative Risk
<input checked="" type="checkbox"/> 06/17/2010 16:31		Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	06/17/2010 High
<input checked="" type="checkbox"/> 05/29/2010 09:03		Published	Edwards, William	05/28/2010 12:40	05/29/2010 09:03	05/28/2010 High

Page 1 of 1 Rows per Page: 20 Edit Check In **Download...** Delete...

Create View Information/History View Decision

Below, you can see that you can expand the decision, which allows you to view each section of the decision document independently by click the radio button next to the appropriate section. Then, click View Decision.



My Home **Incidents** Analyses Intelligence Data Management Administration
 Information Situation Objectives Courses of Action Validation **Decisions** Periodic Assessment Reports

Incident List
 Fire Behavior Request
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Decision	Section	Status	Editor	Created (CDT)	Last Modified (CDT)	Relative Risk
<input checked="" type="checkbox"/> 06/17/2010 16:31		Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	06/17/2010 High
<input type="radio"/> 06/17/2010 16:31	Assessment	Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	
<input type="radio"/> 06/17/2010 16:31	Objectives	Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	
<input type="radio"/> 06/17/2010 16:31	Course of Action	Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	
<input type="radio"/> 06/17/2010 16:31	Validation	Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	
<input type="radio"/> 06/17/2010 16:31	Rationale	Published	Edwards, William	06/15/2010 16:24	06/17/2010 16:31	
<input checked="" type="checkbox"/> 05/29/2010 09:03		Published	Edwards, William	05/28/2010 12:40	05/29/2010 09:03	05/28/2010 High

Page 1 of 1 Rows per Page: 20 Edit Check In **Download...** Delete...

Create View Information/History View Decision

Once you can view the decision, navigate through the document using the content tree on the left. Click Content to view each portion.

My Home Incidents Analyses Intelligence Data Management Administration Help Feedback

Information Situation Objectives Courses of Action Validation Decisions Periodic Assessment Reports

Menu Decision

Messages (0)

06/17/2010 16:31 (Decision : Assessment : Content)

Values Inventory

NAME	VALUE
Planning Area Name	06/17/2010 16:31
Incident Name	HORSESHOE
Planning Area Size	36,838 acres

Category	Value	Data Source	Currency	Coverage
Building Clusters: Cochise	no data	US Counties / FGDC Cadastral Subcomm		Available counties in AZ, CA, CO, ID, MT, NM, NV, OR, UT, WA, WY, No data available for Cochise
Class 1 Airsheds	25,533 acres	NPS Air Resources Division	Various	National
County: Cochise	36,838 acres	Tele Atlas North America, Inc., ESRI	04/01/2008	National
Major Roads	1.0 miles	Tele Atlas North America, Inc., ESRI	11/01/2008	National
Surface Mgmt Agency: State	571 acres	BLM NILS	07/31/2009	National except for Alaska
Surface Mgmt Agency: USFS	33,898 acres	BLM NILS	07/31/2009	National except for Alaska
USFS Buildings	1	USFS-INFRA	9/11/2009	National

Currency/Coverage of Values Queried that Produced No Results

Category	Data Source	Currency	Coverage
Communication Towers	FCC	03/11/2009	National
Electric Power Plants	HSIP	03/01/2008	National
Electric Sub Stations	HSIP	03/01/2008	National

7. **Incidents > Periodic Assessment:** Duration between assessments is set by the Approver (the agency administrator) completing the assessment. If assessments are skipped for the set assessment period, the decision could be considered invalid. The Approvers are encouraged to document their thoughts and concerns regarding the incident management. The current relative risk chart is tracked along with each periodic assessment.

My Home Incidents Analyses Intelligence Data Management Administration Help Feedback

Information Situation Objectives Courses of Action Validation Decisions Periodic Assessment Reports

Incident List

Fire Behavior Request

RAVAR Request

Stratified Cost Index

Relative Risk

FMU List

Mgmt Action Points

Shape Upload

Image Upload

Download Perimeters

Incident Privileges

Incident History List

Incident Analyses

National ERC-G

Fire Related Links

The current decision is valid.

Periodic Assessment List

Date (CDT)	Approver	Action	Comments	Relative Risk
06/26/2010 13:49	Stewart, M Earl	Decision Still Valid	Incident remains in the planning boundary, good progress on line development, burnout operations, holding and mop up along western flank (Divisions A, B, C & D, continued progress in Division V and mop up continuing all along the eastern flank. Incident objectives continue to be met and afternoon wind event on 25 June was successfully held within the formerly constructed containment lines. A newly completed and updated complexity analysis was conducted at 16:00 on 25 June, which shifted the complexity rating down slightly - principally due to the reduced threats to private property, facilities and resources. BAER assessment and resource advisor efforts continuing, in an effort to be operational prior to anticipated seasonal moisture regimes.	06/21/2010 High
06/25/2010 13:35	Quan, Alan	Decision Still Valid	Yesterday the team continued with mop up within the structure protection division, securing line on the south and north flanks of the incident, and line construction along the west flank. Yesterday was the last night shift. The forest is pulling together its BAER Team and presented turnback standards to the team. The weather forecast for today calls for a slight chance of dry thunder storms in the morning, clearing in the early afternoon, with strong winds. The incident is being managed within the defined planning area and objectives.	06/21/2010 High
06/24/2010 13:55	Quan, Alan	Decision Still Valid	The incident is still within the planning boundary. President Shirley of the Navajo Nation was briefed yesterday and State Attorney General Goddard was briefed today. The Team is working on holding the south and north lines and is preparing direct line on the west flank. The team is also preparing for possible red flag warnings for wind for tomorrow. The State and Forest Service has agreed on the apportionment, yet to be signed.	06/21/2010 High
06/23/2010 10:21	Quan, Alan	Decision Still Valid	The incident is still within the planning boundary. Evacuations have been lifted as of 8:00 am today. Approved a helispot at High Tank in the wilderness for medical emergencies and sling loads to support line construction on the west side (amended delegation). Governor was briefed yesterday afternoon. The estimated costs have been revised to \$13,000,000 to reflect the average daily cost of the incident projected for 14 days for the Type I Incident Management Team.	06/21/2010 High
06/22/2010 11:39	Quan, Alan	Decision Still Valid	Though the fire pushed to the north and backed down to the south and west it is still within the planning area. The team is making good progress on securing the east flank which is the threat to the communities. Highway 89 was opened up this morning at 6:00am. The team is trying to work on securing the north flank and developing an anchor on the south flank. Winds are expected to die down this afternoon resulting in topography driven fire behavior with a haines of 5. The team held a successful community meeting last night with about 700 in attendance. At some point in the near future the WDFSC will need to	06/21/2010 High

Approvers are provided Some Things to Consider for each assessment. They can also modify the number of days between assessments at this point.

Periodic Assessment

The next assessment is due on or before 06/29/2010

2 Number of days between assessments

Send me an email reminder the morning the next assessment is due

Comment (A comment must be entered when a new decision is required)

Are the Incident and Strategic Objectives being satisfied with the current Course of Action?

Some Things to Consider

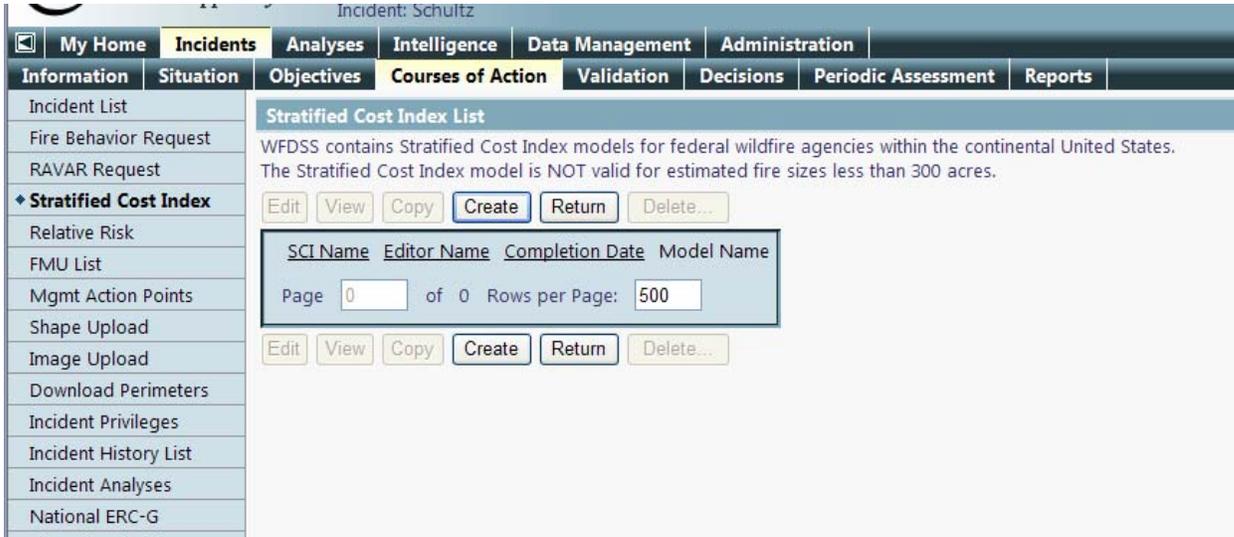
- Is the fire expected to remain within the Planning Area?
- Is the actual cost of the fire in line with the planned costs in the published decision?
- Has there been any unexpected fire growth since the last Periodic Assessment?
- Have additional values been threatened since the decision was published?
- Have significant resources not identified in the Course of Action been requested?

[View or Modify the Current Relative Risk](#)

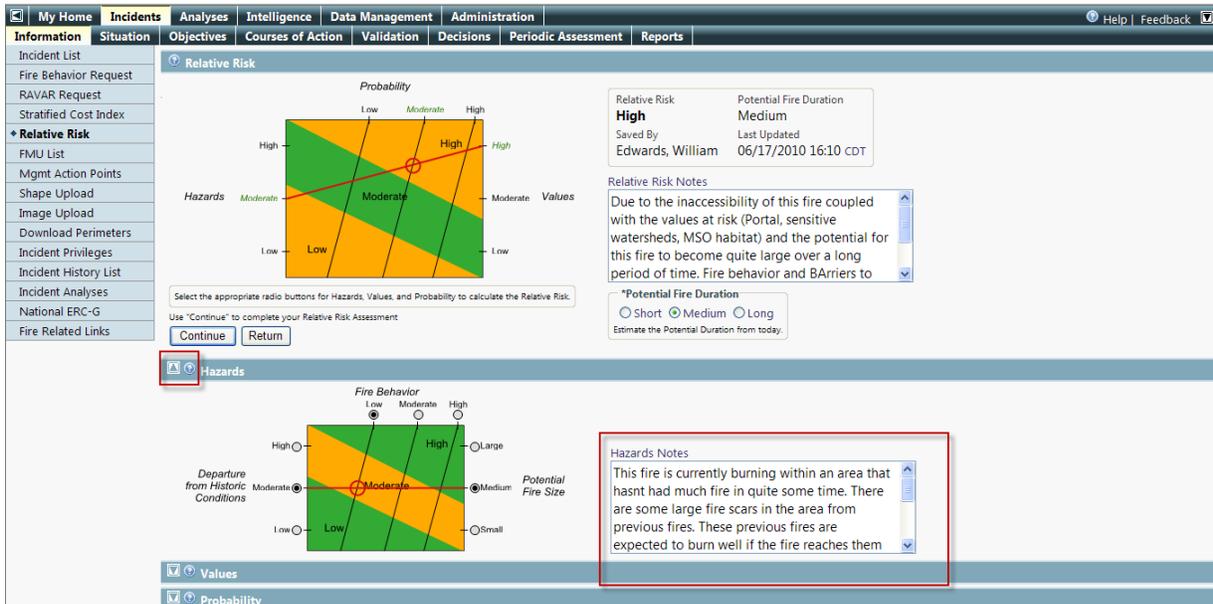
The current Periodic Assessment (PA) is viewable for the current decision. The previous decisions' PA can be viewed under the Incident History.

Information	Situation	Objectives	Courses of Action	Validation	Decisions	Periodic Assessment	Reports
Incident History							
	Date (CDT)	User		Action		Comments	
	05/26/2010 12:30	MASSINGILL, CHRISTOPHER		Dispatcher Created			
	05/27/2010 14:40	Morales, Ruben		Ownership Accepted			
	05/29/2010 08:47	Edwards, William		Incident and Strategic Objectives Being Satisfied			
	05/29/2010 09:03	Edwards, William		Published			
	05/30/2010 14:15	Edwards, William		Decision Still Valid		Direct tactics abandoned 5/30 due to lack of success. Indirect strategy adopted. Adequate resource ordered to prepare lines and implement indirect strategy. Long-term implementation plan being developed to identify management action points, achieve incident objectives, and provide for resource, safety, and public protection needs.	
	05/30/2010 14:17	Edwards, William		Decision Still Valid		Correction: Direct tactics abandoned 5/29.	
	05/31/2010 13:58	Edwards, William		Decision Still Valid		Indirect suppression strategy remains valid. Actions on private lands are necessary due the limited options for containing the fire on USFS lands, and a delegation has been delivered from the State of Arizona. Fire weather forecasts indicate conditions for increased fire activity - warmer & drier with possibility of thunderstorm development. Adequate resources are in place to implement strategy. Once indirect lines are established, excess resources will be released. Long term action plan has been developed with MAPs identified, and will be implementing key actions as fire conditions dictate. Remote, rugged, fire terrain necessitates the use of air resources to support suppression efforts. Heavy hiltankers are necessary to delay fire progression, allowing preparation of key segments in indirect fireline; all heavy air tankers have been released. Resource impacts, safety of firefighters and the public, and fiscal responsibility are key factors driving strategic and tactical decisions.	
	06/01/2010 19:03	Edwards, William		Decision Still Valid		Long term plan has been adopted and implemented. MAP 1 will likely be reached today, which may lead to pre-emptive aerial ignition to promote low-intensity fire backing through MSO PAC. Indirect holding lines should be completed today, leading to large demobilization of 2/3 of IHC's and engines for cost containment. 8 IHC's and 2 strike teams of engines will be retained to implement long-term plan. Coordination with County Emergency Services and utility company to coordinate evacuation plan. Public meeting for Portal residents planned for 6/2.	
	06/02/2010 15:17	Edwards, William		Decision Still Valid		Indirect line has been completed. Crews are being extracted from remote divisions for rehab.	

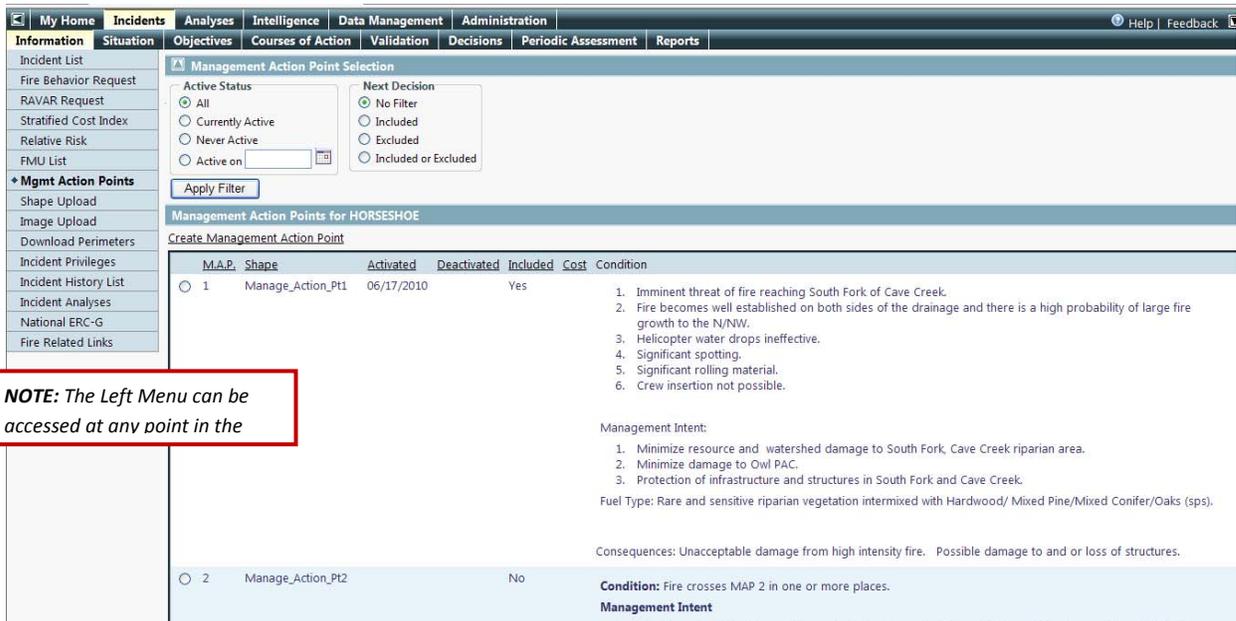
8. **Incidents > Stratified Cost Index:** Completion of a stratified cost analysis is currently not required. There are DOI and USFS models. They are based on a floating 10-year average. They give the unit a sense of whether they are exceeding historic values.



9. **Incidents > Relative Risk:** this is best reviewed when it is connected to a decision document or to a periodic assessment. Use the  icon to expand the sections to determine the inputs and rationale for each section. Use the  icon to get specific help for each task that was available to editors. The users are instructed to complete the text boxes in the relative risk chart to document their assumptions regarding inputs.



10. **Incidents > Management Action Points:** this is where you can review the inputs for the MAPs, when they have been created.

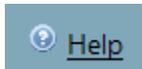


NOTE: The Left Menu can be accessed at any point in the

M.A.P.	Shape	Activated	Deactivated	Included	Cost	Condition
1	Manage_Action_Pt1	06/17/2010		Yes		<ol style="list-style-type: none"> 1. Imminent threat of fire reaching South Fork of Cave Creek. 2. Fire becomes well established on both sides of the drainage and there is a high probability of large fire growth to the N/NW. 3. Helicopter water drops ineffective. 4. Significant spotting. 5. Significant rolling material. 6. Crew insertion not possible.
2	Manage_Action_Pt2			No		<p>Management Intent:</p> <ol style="list-style-type: none"> 1. Minimize resource and watershed damage to South Fork, Cave Creek riparian area. 2. Minimize damage to Owl PAC. 3. Protection of infrastructure and structures in South Fork and Cave Creek. <p>Fuel Type: Rare and sensitive riparian vegetation intermixed with Hardwood/ Mixed Pine/Mixed Conifer/Oaks (sps).</p> <p>Consequences: Unacceptable damage from high intensity fire. Possible damage to and or loss of structures.</p> <p>Condition: Fire crosses MAP 2 in one or more places.</p> <p>Management Intent</p>

11. **Detailed Help** can be found at http://wfdss.usgs.gov/wfdss_help/index.htm, or within the

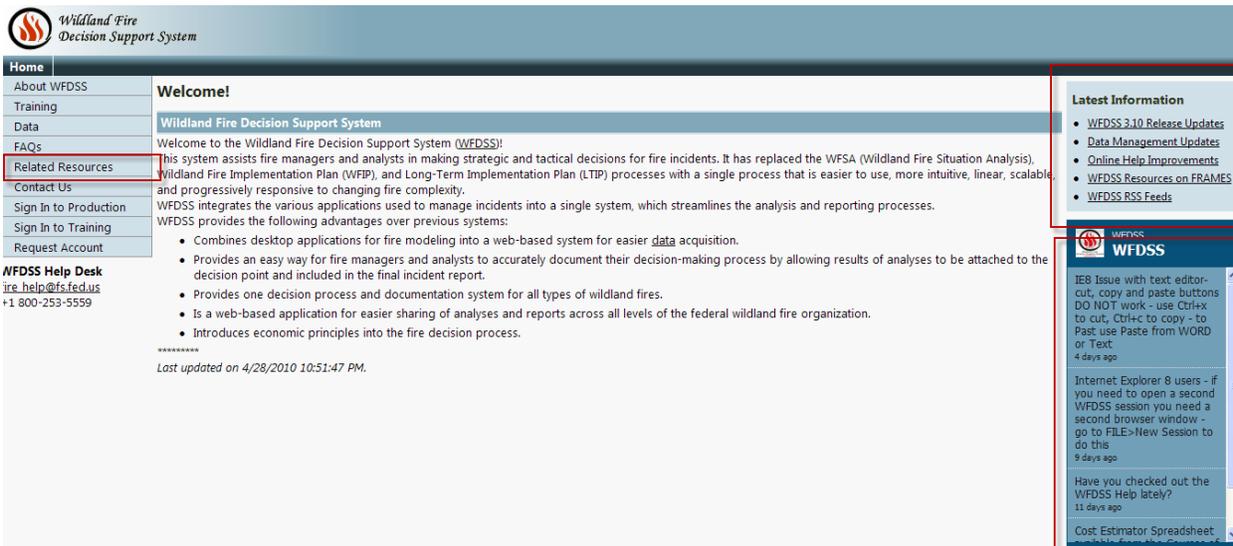
application in the upper right



12. Help can also be found under Related Resources on the WFDSS Home Page at

http://wfdss.usgs.gov/wfdss_help/index.htm

13. **Related Resources** link is located in the left hand menu of the WFDSS Home Page. We also have links on the right-hand menu to the Latest Information and to our WFDSS Twitter feed.



Wildland Fire Decision Support System

Home

- About WFDSS
- Training
- Data
- FAQs
- Related Resources**
- Contact Us
- Sign In to Production
- Sign In to Training
- Request Account

WFDSS Help Desk
fire_help@fs.fed.us
 +1 800-253-5599

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.

 Last updated on 4/28/2010 10:51:47 PM.

Latest Information

- [WFDSS 3.10 Release Updates](#)
- [Data Management Updates](#)
- [Online Help Improvements](#)
- [WFDSS Resources on FRAMES](#)
- [WFDSS RSS Feeds](#)

WFDSS

IE8 Issue with text editor-cut, copy and paste buttons DO NOT work - use Ctrl+x to cut, Ctrl+c to copy - to Paste use Paste from WORD or Text
 4 days ago

Internet Explorer 8 users - if you need to open a second WFDSS session you need a second browser window - go to FILE>New Session to do this
 9 days ago

Have you checked out the WFDSS Help lately?
 11 days ago

Cost Estimator Spreadsheet
[http://www.fs.fed.us/wfdss/...](#)