



Presentation will discuss the role of the DATA MANAGER within the WFDSS application.

## **OBJECTIVES:**

- **Define Data Manger Role, Strategic Objectives, Management Requirements, Fire Management Units**
- **Create Fire Management Unit (FMU) Names and Codes**
- **Create Strategic Objectives from Land and Fire Management Plans**
- **Create Management Requirements from Land and Fire Management Plans**

## **Data Manager:**

- **Enters and maintains the overarching strategic objectives / management requirements and fire management unit associations for individual agency units per land and fire management plans.**
- **Data Manager role would probably be assigned to the fire planner or the individual who contributed objectives to the fire management or land management plans.**

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**Data Manager role would probably be assigned to the fire planner or the individual who contributed objectives to the fire management or land management plans.**

**Strategic Objectives and Management Requirements entered by the Data Manger are different than the Incident Specific Objectives and Incident Requirements. The Incident Specific Objectives and Incident Requirements are developed by the Author Role during decision documentation. Incident Specific Objectives and Requirements will contribute to the development of Incident Daily Action Plans.**

## **Strategic Objective:**

- **These are broad statements, specified in land and resource management and fire management plans that identify changes in water, soil, air, or vegetation from the present to proposed conditions but can also describe an existing resource condition that should be maintained.**
- **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.**

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## Management Requirement:

- Management Requirements are derived from land and resource management plan and fire management plan standards and guidelines information.
- They represent the recommended technical and scientific specifications for management activities and/or potential actions to help achieve objectives across broad areas in general terms.
- They provide the foundation, framework, and limitations/challenges for potential management activities.
- Management Requirements are not commitments or final implementation decisions.

### Example statement:

*Management of wildland and prescribed fire should avoid adding smoke into the Grand Canyon viewshed.*

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They represent the recommended technical and scientific specifications for management activities and/or potential actions to help achieve objectives across broad areas in general terms. They provide the foundation, framework, and limitations/challenges for potential management activities. Management Requirements are not commitments or final implementation decisions.

Example statements:

*Management of wildland and prescribed fire should avoid adding smoke into the Grand Canyon viewshed.*

*Mechanical firelines should not be constructed on erosive X, Y, and Z type soils nor on slopes greater than 30 percent.*

*In the Rocky Gorge management area, when perimeter control is the response to wildfire, natural barriers should be used as firelines.*

*Fire camps staging areas, helibases should be located on lands that:*

- (a) Are not forested;*
- (b) Are adjacent to a well-maintained forest road (36 CFR 212.1);*
- (c) Have less than 5 percent slope; and*
- (d) Are 100 feet or more from all bodies of water, wetlands, and trails.*

*Responses to wildland fire and fuels management activities should avoid loss due to fire in the Old Heritage Area.*

*To avoid unacceptable risks of erosion, mechanical firelines should not occur on slopes greater than 30 percent or on the highly erosive X, Y and Z soil types.*

## **Fire Management Unit:**

- *NWCG Definition: A land management area definable by objectives, management constraints, topographic features, access, values to be protected, political boundaries, fuel types, major fire regime groups, etc. that set it apart from the characteristics of an adjacent FMU.*
- *The FMU may have dominant management objectives and pre-selected strategies assigned to accomplish these objectives.*

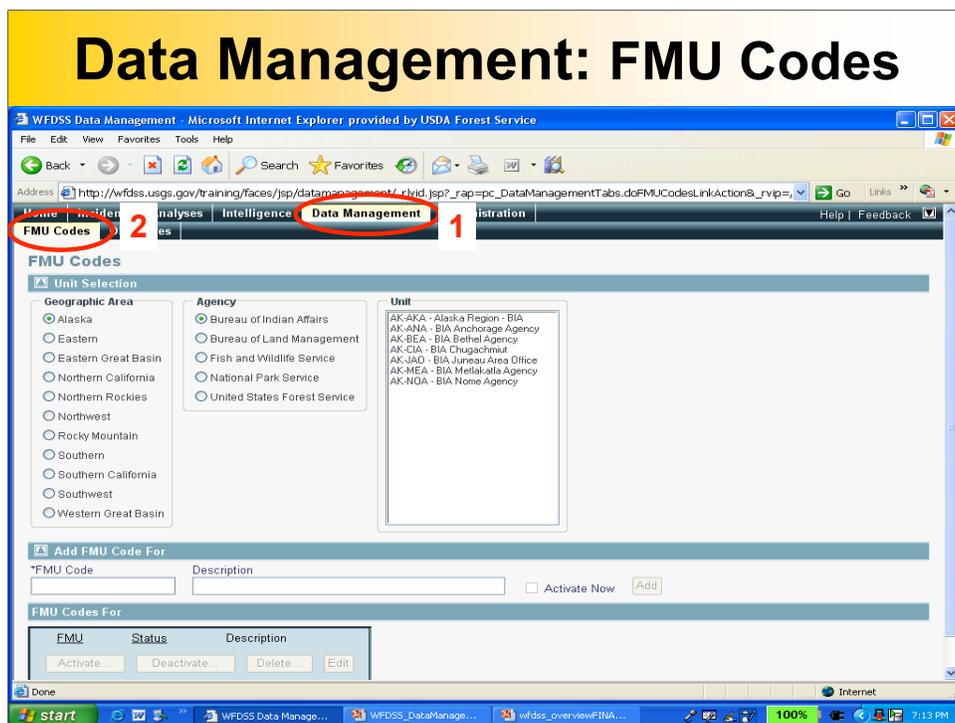
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# Create FMU Codes

FMU Codes, Strategic Objectives and Management requirements can be entered into the system without having a spatial FMU data layer uploaded.

# Data Management: FMU Codes

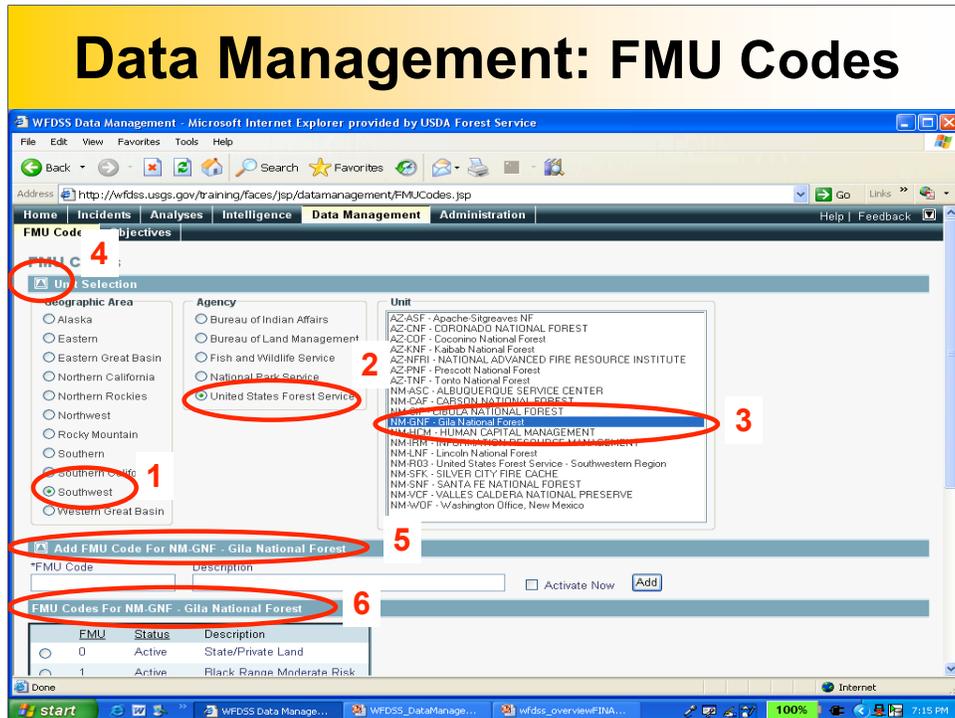


We will now discuss entering Fire Management Unit information.

- (1) We will now navigate to the DATA MANAGEMENT tab to Create FMU Codes.
- (2) Click on the FMU Codes tab to Create Fire Management Unit descriptions and codes.

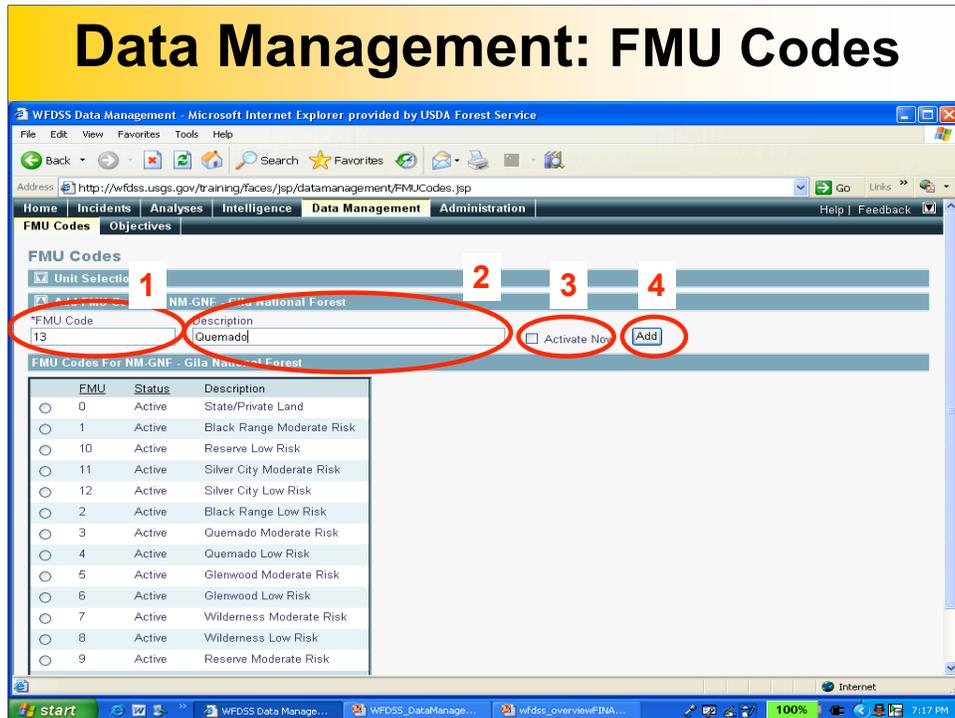
**FMU Codes will be used in the future to link to spatial data for fire management units.**

# Data Management: FMU Codes



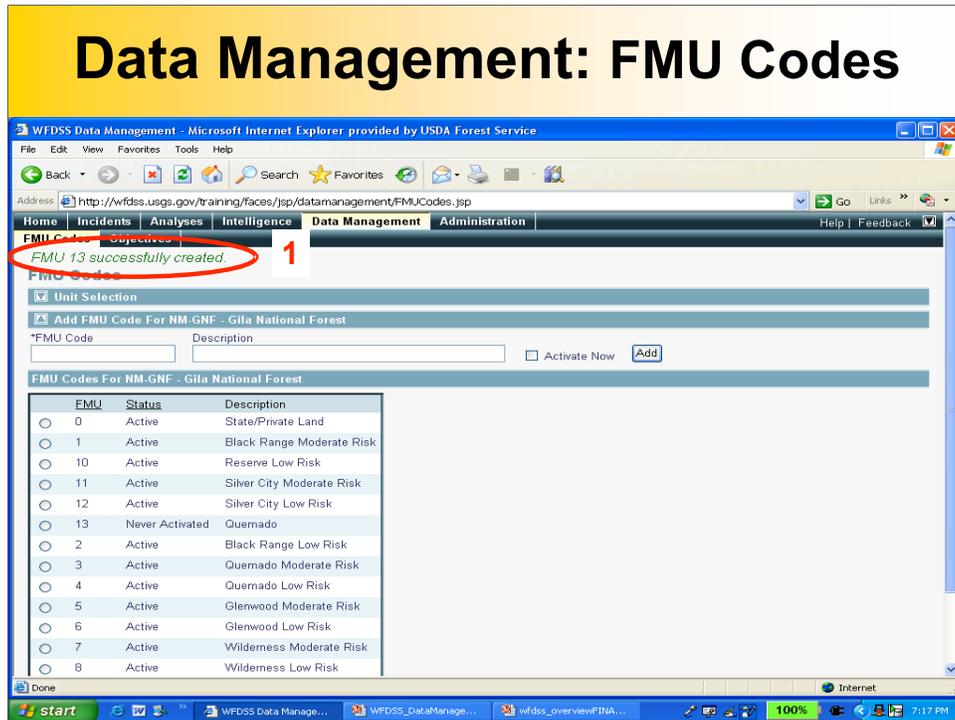
- (1) We will select the Geographic Area.
- (2) We will next select the Agency.
- (3) Finally we will select the Unit.
- (4) When the screen reloads, we will click on the arrow button to collapse the Unit Selection tool.
- (5) We should now see a box to ADD FMU Codes for the unit we selected.
- (6) If we already have FMU Codes entered, below the ADD box we will see a list of FMUs previously created.

# Data Management: FMU Codes



- (1) Enter FMU Code. This code will be utilized in the future to link your Strategic Objectives and Management Requirements to spatial FMU Data. The FMU Code needs to match the code used in the spatial data layer of FMU polygons.
- (2) Enter FMU Description/Name.
- (3) Choose to activate FMU for use now by clicking ACTIVATE NOW.
- (4) Click add to create FMU Code.

# Data Management: FMU Codes

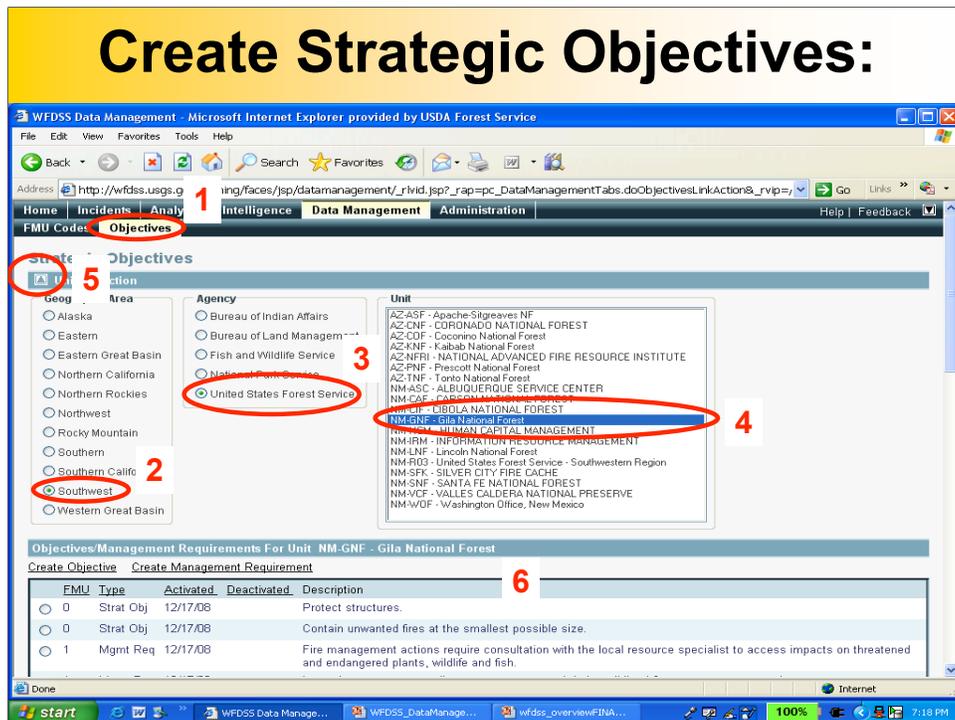


- (1) A message at the top of the screen will appear to show you that your FMU was successfully created.

# **Create Strategic Objectives**

Strategic Objectives are intended to be entered in bullet format.

# Create Strategic Objectives:



- (1) We will select the OBJECTIVE tab to create strategic objectives and management requirements.
- (2) We will next select the Geographic Area.
- (3) We will select the Agency.
- (4) Finally we select the Unit.
- (5) When the screen reloads, we will click on the arrow button to collapse the Unit Selection tool.
- (6) If we already have Strategic Objectives and Management Requirements entered, we will see a list of all previously created Strategic Objectives and Management Requirements.

# Create Strategic Objectives:

The screenshot shows the 'Strategic Objectives' page in the WFSS Data Management application. The page title is 'Strategic Objectives' and it is for Unit 'NM-GNF - Gila National Forest'. There are two main links: 'Create Objective' (circled in red) and 'Create Management Requirement'. A red number '1' is placed next to the 'Create Objective' link. Below the links is a table of existing objectives and requirements.

FMU Type	Activated	Deactivated	Description
<input type="radio"/> 0	Strat Obj	12/17/08	Protect structures.
<input type="radio"/> 0	Strat Obj	12/17/08	Contain unwanted fires at the smallest possible size.
<input type="radio"/> 1	Mgmt Req	12/17/08	Fire management actions require consultation with the local resource specialist to access impacts on threatened and endangered plants, wildlife and fish.
<input type="radio"/> 1	Mgmt Req	12/17/08	Insure impacts to range allotments are assessed during wildland fire management operations.
<input type="radio"/> 1	Mgmt Req	12/17/08	Human life, firefighter and public safety is the highest priority and will determine all wildland fire and fuels treatment actions.
<input type="radio"/> 1	Mgmt Req	12/17/08	During suppression actions, work with private landowners to obtain permission to cross private land, cut fences, or use privately owned facilities (ditches, water sources, etc.) before entering private land or affecting private facilities. Keep records and promptly inform the landowner(s) of actions taken on private lands or affecting private facilities.
<input type="radio"/> 1	Mgmt Req	12/17/08	Apply control measures as directed by the appropriate Air Quality Bureau (AQB) during air pollution episodes (e.g., no new ignitions during declared episodes).
<input type="radio"/> 1	Mgmt Req	12/17/08	Assign a qualified archeologist as a resource advisor to any wildland fires potentially or actually burning in areas with a high probability of heritage resource sites.
<input type="radio"/> 1	Mgmt Req	12/17/08	Identify noxious weed control and mitigation measures.
<input type="radio"/> 1	Mgmt Req	12/17/08	Avoid impacts to riparian areas, including heavy equipment, chemical retardant, and incident facilities.
<input type="radio"/> 1	Strat Obj	12/17/08	Wildland Fire Use allowed when Beaverhead RAWs, 7-day average ERC-K is below the 95th percentile.
<input type="radio"/> 1	Strat Obj	12/17/08	Ecosystems are restored and maintained, consistent with land uses and historic fire regimes and condition class utilizing wildland fire use, prescribed fire, and mechanical fuel treatments.

(1) To create a new Strategic Objectives, click on the CREATE OBJECTIVE hyper text.

# Create Strategic Objectives:

The screenshot shows the 'Create Strategic Objective' form in the WFDSS Data Management application. The form is titled 'Create Strategic Objective' and is part of the 'Data Management' section. It includes a dropdown menu for 'FMU Code' with the value '0 - State/Private Land' selected. Below this is a text editor for the 'Description' with the text 'Contain unwanted fires at the smallest possible size.' At the bottom of the form, there is a checkbox labeled 'Activate Now' which is checked, and two buttons: 'Save' and 'Return'. Red circles and numbers 1, 2, and 3 highlight the FMU Code dropdown, the description text editor, and the 'Activate Now' checkbox, respectively.

- (1) Choose a FMU Code from a drop down list of FMUs. This list was created from the first part of this lesson where we created FMU Codes.
- (2) Enter your Strategic Objective from Land and Fire Management Plans.
- (3) When finished, you can choose to activate the objective now by clicking the ACTIVE NOW box. You can then click SAVE to save your objective and return to the objective list. If you choose NOT to save your objective, simply click RETURN to return to the objective list.

The Text Editor box for free text will have hover text associated with the icons to help the users better utilize the Text Editor.

# Create Strategic Objectives:

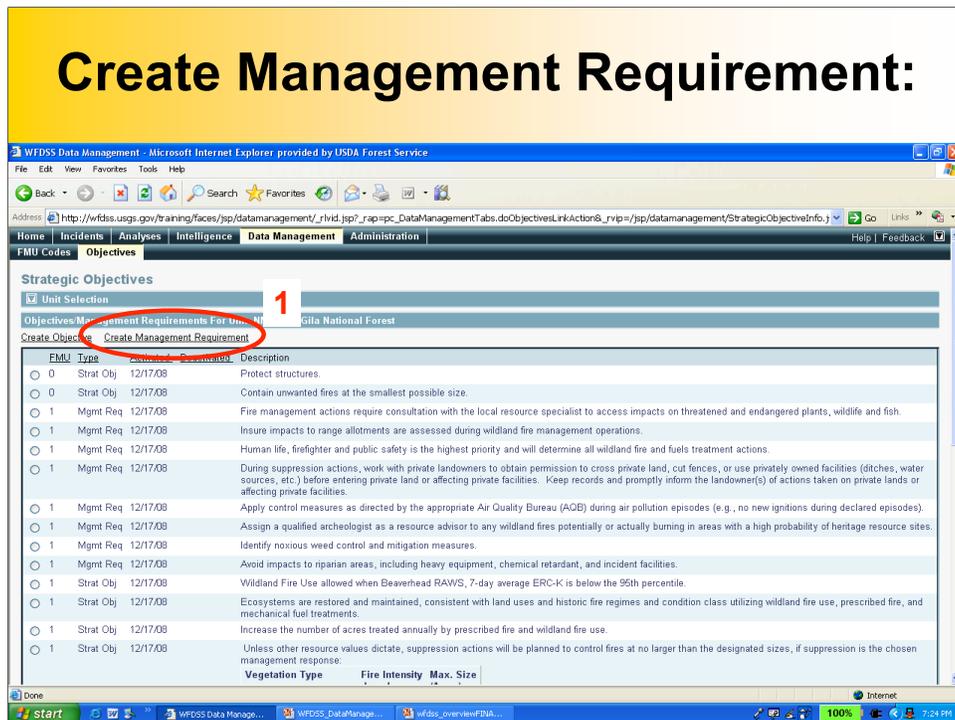
The screenshot shows a web browser window titled "WFDSS Data Management - Microsoft Internet Explorer provided by USDA Forest Service". The address bar shows a URL starting with "http://wfdss.usgs.gov/training/faces/jsp/datamanagement\_rlvld.jsp?". The main content area displays a list of strategic objectives. Objective 10 is selected, indicated by a red circle around its radio button. The objective text is: "Unless other resource values dictate, suppression actions will be planned to control fires at no larger than the designated sizes, if suppression is the chosen management response:". Below this text is a table with columns for "Vegetation Type", "Fire Intensity Levels", and "Max. Size (Acres)". The table lists various vegetation types and their corresponding fire intensity levels and maximum sizes. At the bottom of the page, there are navigation buttons: "Page 1 of 5", "Rows per Page: 20", "Activate...", "Deactivate...", "Delete...", and "Edit". A red circle highlights the "Activate..." button, and a red number "2" is placed next to it.

Vegetation Type	Fire Intensity Levels	Max. Size (Acres)
Riparian	Level 1 and 2	50
	Level 3 and 4	10
	Level 5	5
Grassland and PJ	Level 1 and 2	5000
	Level 3 and 4	500
	Level 5	100
Timber (Unsuitable and Suitable)	Level 1 and 2	5000
	Level 3 and 4	250
	Level 5	50

- (1) Data Managers can click the radio button next to a Strategic objective or Management Requirement to select.
- (2) Once there is a selection, Data Managers will be able to ACTIVATE or DEACTIVATE and objective or requirement. If an objective or requirement was never ACTIVATED, it can be EDITED or DELETED. Once an objective or requirement is ACTIVATED, it can only be DEACTIVATED. This statement means that once an objective is activated, it can never be edited or deleted. This action leaves a track log in the system of all objectives and requirements that were active in the decision system. It prohibits someone other than the Data Manager from changing objectives/requirements that have been entered per Land and Fire Management Plans.

# **Create Management Requirements**

# Create Management Requirement:

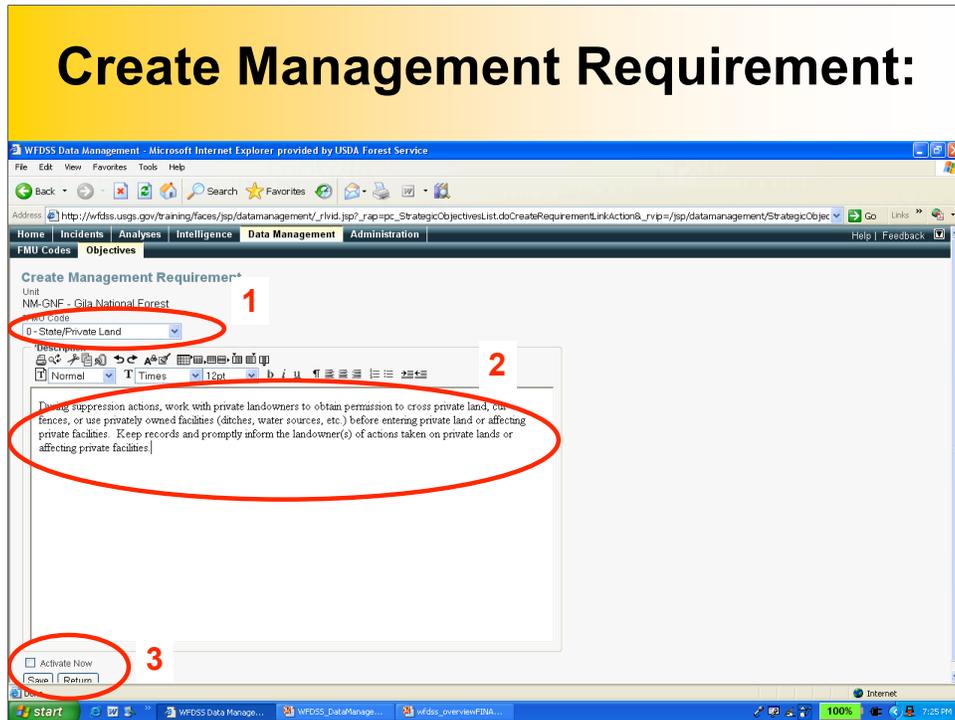


The screenshot shows the WFDDSS Data Management web application interface. The browser window title is "WFDDSS Data Management - Microsoft Internet Explorer provided by USDA Forest Service". The address bar shows the URL: [http://wfddss.usgs.gov/training/faces/jsp/datamanagement/\\_rivid.jsp?\\_afpc\\_DataManagementTabs.doObjectivesLinkAction&\\_rvid=/jsp/datamanagement/StrategicObjectiveInfo.jspx](http://wfddss.usgs.gov/training/faces/jsp/datamanagement/_rivid.jsp?_afpc_DataManagementTabs.doObjectivesLinkAction&_rvid=/jsp/datamanagement/StrategicObjectiveInfo.jspx). The navigation menu includes Home, Incidents, Analyses, Intelligence, Data Management, and Administration. The main content area is titled "Strategic Objectives" and includes a "Unit Selection" dropdown menu. Below this, there are two tabs: "Objectives/Management Requirements For the..." and "Create Management Requirement". The "Create Management Requirement" tab is highlighted with a red circle, and a red number "1" is placed next to it. Below the tabs is a table with columns for "EMU Type", "Date", and "Description".

EMU Type	Date	Description
<input type="radio"/> 0	Strat Obj 12/17/08	Protect structures.
<input type="radio"/> 0	Strat Obj 12/17/08	Contain unwanted fires at the smallest possible size.
<input type="radio"/> 1	Mgmt Req 12/17/08	Fire management actions require consultation with the local resource specialist to access impacts on threatened and endangered plants, wildlife and fish.
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<input type="radio"/> 1	Strat Obj 12/17/08	Increase the number of acres treated annually by prescribed fire and wildland fire use.
<input type="radio"/> 1	Strat Obj 12/17/08	Unless other resource values dictate, suppression actions will be planned to control fires at no larger than the designated sizes, if suppression is the chosen management response.

(1) Click the CREATE MANAGEMENT REQUIREMENT hyper text to create management requirements.

# Create Management Requirement:



- (1) Choose a FMU Code from a drop down list of FMUs. This list was created from the first part of this lesson where we created FMU Codes.
- (2) Enter your Management Requirement from Land and Fire Management Plans.
- (3) When finished, you can choose to activate the objective now by clicking the ACTIVE NOW box. You can then click SAVE to save your management requirement. If you choose NOT to save your objective, simply click RETURN to return to the objective list.

# Strategic Objective / Management Requirement:

The screenshot displays the WFDSS Data Management web application interface. The main content area shows a table of Strategic Objectives and Management Requirements for Unit NM-GNF - Gila National Forest. The table has columns for FMU, Type, Activated, Deactivated, and Description. Below the table, there are input fields for Vegetation Type, Fire Intensity, and Max. Size.

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<input type="radio"/>	0	Strat Obj	12/17/08	Protect structures.
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Below the table, there are input fields for: Vegetation Type, Fire Intensity, and Max. Size.

Strategic Objectives and Management Requirements can be entered in any format that the Unit prefers. This slide is one example of data entry. The entries on this slide are examples of both strategic objectives and management requirements.

# Strategic Objective / Management Requirement:

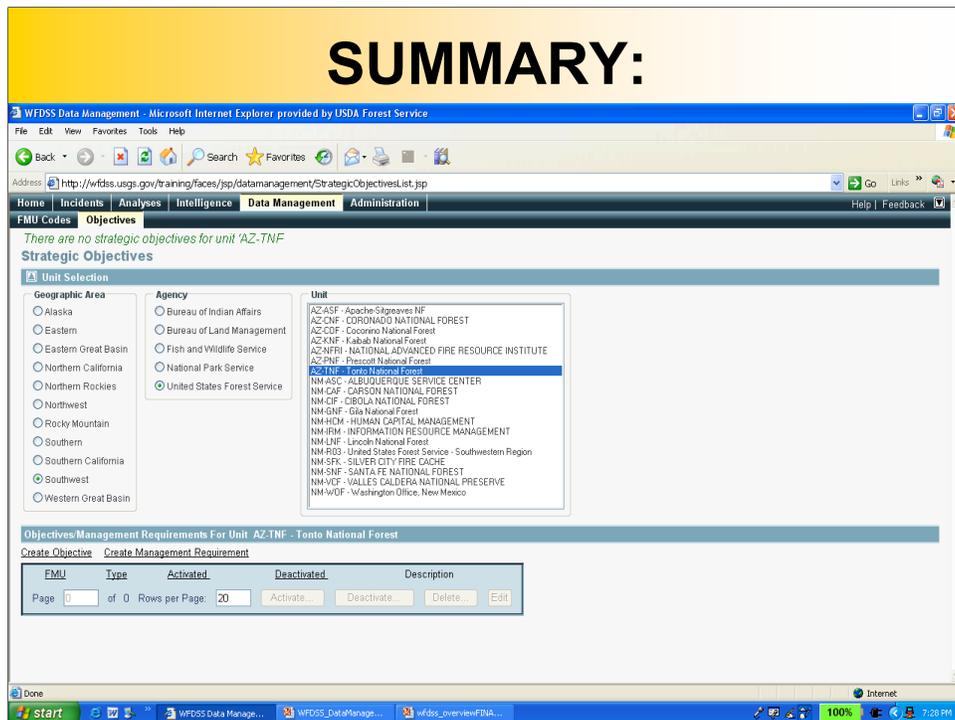
The screenshot displays the WFDSS Data Management interface in Microsoft Internet Explorer. The page title is "Strategic Objectives" and the unit selected is "ID-PAF - Payette National Forest". The interface includes a navigation menu with options like "Home", "Incidents", "Analyses", "Intelligence", "Data Management", and "Administration". Below the navigation, there are buttons for "Create Objective" and "Create Management Requirement".

FMU	Type	Activated	Deactivated	Description	LRMP Page #										
7	Strat Obj			<table border="1"> <tr> <td>MPC/Resource Area</td> <td>Direction</td> <td>Number</td> <td>Management Direction Description</td> <td>LRMP Page #</td> </tr> <tr> <td>Fire Management</td> <td>Objective</td> <td>1263</td> <td>Identify areas appropriate for Wildland Fire Use, emphasizing inventoried Roadless Areas. Use wildland fire to restore or maintain vegetative desired conditions and to reduce fuel loadings.</td> <td>III-255</td> </tr> </table>	MPC/Resource Area	Direction	Number	Management Direction Description	LRMP Page #	Fire Management	Objective	1263	Identify areas appropriate for Wildland Fire Use, emphasizing inventoried Roadless Areas. Use wildland fire to restore or maintain vegetative desired conditions and to reduce fuel loadings.	III-255	
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Strategic Objectives and Management Requirements can be entered in any format that the Unit prefers. This is an example of data entry. The entries on this slide are examples of both strategic objectives and management requirements.

# **SUMMARY**

# SUMMARY:



The Data Manager role utilizes the DATA MANAGEMENT tab to create FMU Codes. They also create Strategic Objectives and Management Requirements as they relate to the FMUs per the direction in the units Land and Fire Management Plans.

## **SUMMARY:**

- **Defined Data Manger Role, Strategic Objectives, Management Requirements, and Fire Management Units**
- **Created Fire Management Unit (FMU) Names and Codes**
- **Created Strategic Objectives from Land and Fire Management Plans**
- **Created Management Requirements from Land and Fire Management Plans**

Data Managers can first log into the WFDSS Training environment to become familiar with strategic objective and management requirement data entry. There is a link to the training environment login on the WFDSS home page [http://wfdss.usgs.gov/wfdss/WFDSS\\_Home.shtml](http://wfdss.usgs.gov/wfdss/WFDSS_Home.shtml) .