



US Forest Service
Bureau of Land Management
Bureau of Indian Affairs
National Park Service
Fish and Wildlife Service

Fire Environment Mapping System (FEMS)

Field Sample Database User Guide

Version 3.5

January 22, 2026

Table of Contents

Overview	3
Purpose of FSD	3
History of FSD	3
What's New in V3.5	3
Access.....	4
Requesting Access.....	4
Home Screen	6
Accessing Fuel Samples	7
Map Option.....	7
Navigating Maps	7
Viewing Field Sample Data	9
Data Tab:	11
Filter Tab:.....	11
Table Option	11
Navigating Field Sample Tables	11
To View Field Sample Tables:.....	11
Program Administration.....	14
Field Sample Area Editor	14
To Add a Field Sample Group:	14
To Add a New Contact:.....	16
To Edit an Existing Contact:	17
To Edit a Field Sample Group:	19
Field Sample Group Editor	20
To Add a Field Sample Site:	20
To Edit a Field Sample Site:	22
Edit from the Data Entry Table:	22
Edit from Site Metadata:.....	24
Error Banner.....	26
Field Sample Collector.....	26
Adding Fuel Moistures for Fuel Types being Monitored:	27
Adding Fuel Moistures for a new Fuel Type:	31

Overview

The Field Sample Database (FSD) is a web-based query system that enables users to view sampled and measured live- and dead-fuel moisture information. The FSD is a module within the Fire Environment Mapping System (FEMS). The system utilizes a database that is routinely updated by fuels specialists who monitor, sample and calculate fuel moisture data.

Purpose of FSD

FSD serves multiple purposes. Firstly, NFMD provides a repository for sampled live- and dead-fuel moisture. Fuel moisture data can now be stored in a database that serves as a national archive of the fuels record. Secondly, it provides a resource for anyone who has a need for fuel moisture data. A national database eliminates the need for multiple requests for data or exhaustive searches for such data, which can often result in little or no success. Thirdly, it allows for easy viewing of the data in formats that are consistent with other applications used in the land management arena.

History of FSD

The idea of a national fuel moisture database arose in late 2001 when the Predictive Services program was in its infancy.

Over time, fuels sampling data became available to Predictive Services. Unfortunately, the data arrived in multiple formats – spreadsheets, web pages, Portable Document Format (pdf), lists and others – which were difficult to synthesize in a coherent fashion. In Fall, 2005, BLM Utah fuels specialists and Eastern Great Basin (EGB) Predictive Services meteorologists analysis and comparison.

In Spring, 2006, EGB introduced the EGB Fuel Moisture Database. During the busy fire season in central Idaho, the EGB database became an indispensable tool for fire behavior specialists working on fires in the area. When the Predictive Services meteorologists from all the Geographic Area Coordination Centers gathered in November 2006, they agreed to develop a national database built on the EGB model. The NFMD is the result.

At a national level NFMD was hosted at the Fire Science Lab in Missoula, Montana. NFMD has existed there, with limited funding form since early 2018.

In the past couple of years, the database has become unstable and required a rebuild in 2023. User access continued to be an issue. In 2022, an effort to modernize and centralize the database to bring the database under the FEMS application was initiated.

At the end of 2023 there was a final push made to complete the FSD Module within FEMS and deploy for the 2024 field season.

The initial release of the Field Sample Database was released in FEMS 2.0 in April 2024.

The map display of the Field Sample Database was included in the release of FEMS 3.1 in March 2025.

Additional reports functionality with PowerBI was introduced in FEMS 3.4.

What's New in V3.5

- The primary focus of this release is to add Catalog Management functionality for FEMS Admin users.

- A limited number of Mesonet stations have been added to FEMS for both Weather and Fire Danger.

Access

The Field Sample Database is accessed through FEMS.
 FEMS is an open system available for public viewing.
[FEMS \(usda.gov\)](https://fems.usda.gov)

A FEMS account will provide access to additional data.

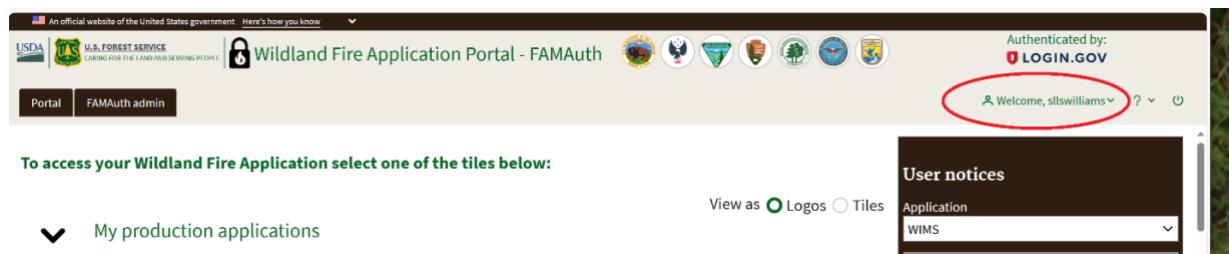
Requesting Access

To request access through FAMAuth ([FAMAuth](#)) either with a Login.gov account or through eAuth.

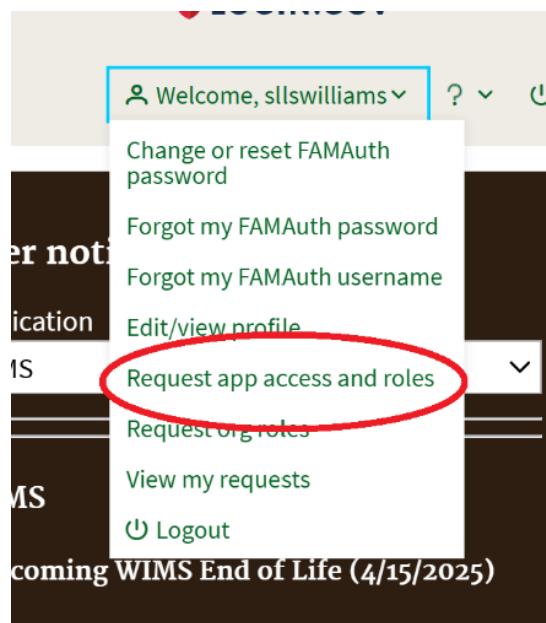
See the [FAMAuth User Guide](#) for assistance in creating a FAMAuth account.

Once logged in:

Locate your account dropdown in the upper right corner.



Select “Request app access and roles”.



Select “FEMS” and “PROD”.

Request application access and roles

① To request access to more than 1 application, please click the plus button below.

Application access	Instance(s)
FEMS-Fire Environment Mapping System	PROD
DATAWH-Data Warehouse	
EGP-Enterprise Geospatial Portal	
EIS-e-ISuite Enterprise	
F&AM-F&AM	
FEMS-Fire Environment Mapping System	
FEPP-FEPP FEPMS	

Application.

• You CAN NOT validate your request (Do not enter your own name, e-mail or phone number).
• Agency employees: enter manager or supervisor.
• Contractors/Vendors: enter your government contracting office personnel.

An initial Fire Environment Mapping System (FEMS) account will only grant general user access.

IMPORTANT: Assigned higher roles are needed to enter fuel sample data and those roles can be granted by **contacting your Area (GACC) Editor**.

 FIRE ENVIRONMENT MAPPING SYSTEM MAPS TABLES DOWNLOAD **FIELD SAMPLE** 11:18:18 am
22 Jul 2025 MDT (-6) ... LW Lani Williams

Field Samples

Search All Sites...

Area	Group Status	Groups	AREA EDITOR(S)	GROUP STATUS
All	All	All	Matt Ginder, Dave Firmage, Dylan Rader, Mark Williams, Geoff Wallin, Jeremy Sisneros, Dustin Doane, Dea Funka, Basil Newmerzhicky, Shelby Law, Gina McGuire	Active
Alaska				
Eastern Area				
Great Basin	RCT		Greta Hyland, Cody	
National			Show More...	
Northern California				
Northern Rockies				
Northwest				
Rocky Mountain				
> BOISE NF				
> BRIDGER-TETON NF				

Area **Group Status** **Groups** **AREA EDITOR(S)** **GROUP STATUS**

ADD AN AREA **ADD A GROUP** **ADD A SITE**

Area Editor information is available on the Field Sample tab in FEMS.

Until field sample roles are granted users will not be able to enter fuel sample data.

Roles and Definitions

- Field Sample Collector
 - Enters and edits Fuel Moistures
- Field Sample Group Editor
 - Can enter and edit Fuel Moistures
 - Creates and edits Field Sample Sites
 - Creates and edits Field Sample Groups
- Field Sample Area Editor
 - Can enter and edit Fuel Moistures and Sample Sites
 - Creates and edits Field Sample Groups
 - Creates and edits Field Sample Areas

Request access for the role that fits your needs.

You will be required to list a contact. You cannot list yourself.

Home Screen

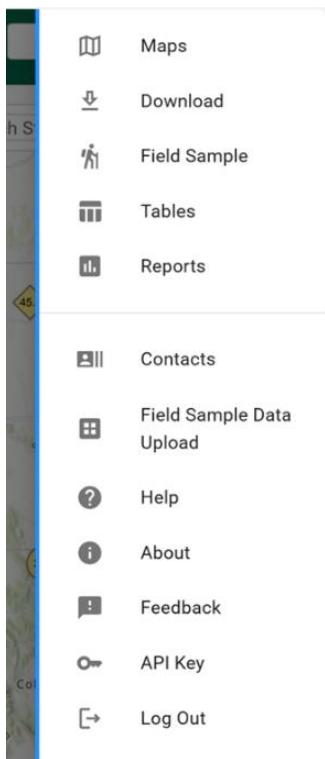
1. Click on the “Hamburger” icon in the upper right:



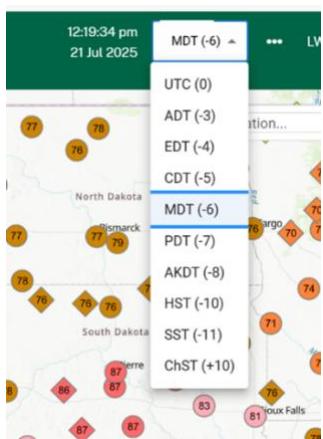
2. Click on the “LOGIN” button.



3. A list of menu options will appear; selections will vary with user roles:



4. Data can be displayed in UTC or Standard Time:



Accessing Fuel Samples

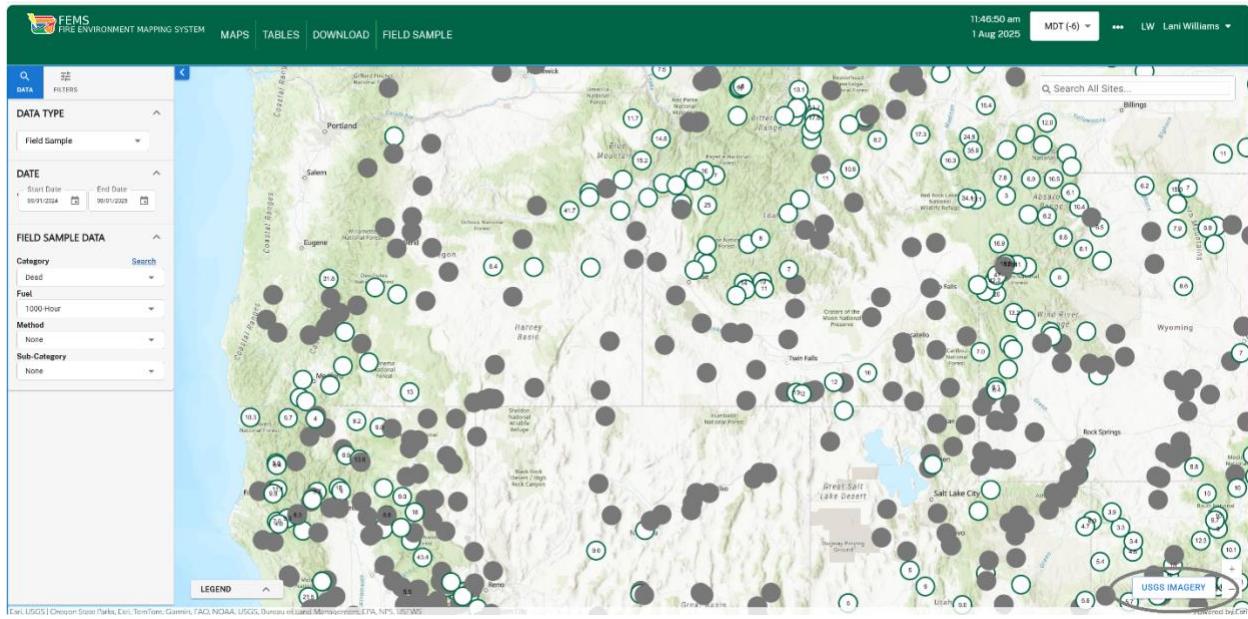
The Field Sample Tables can be accessed by either the Map or Tables Menu.

Map Option

Navigating Maps

Two options are available for viewing the map.

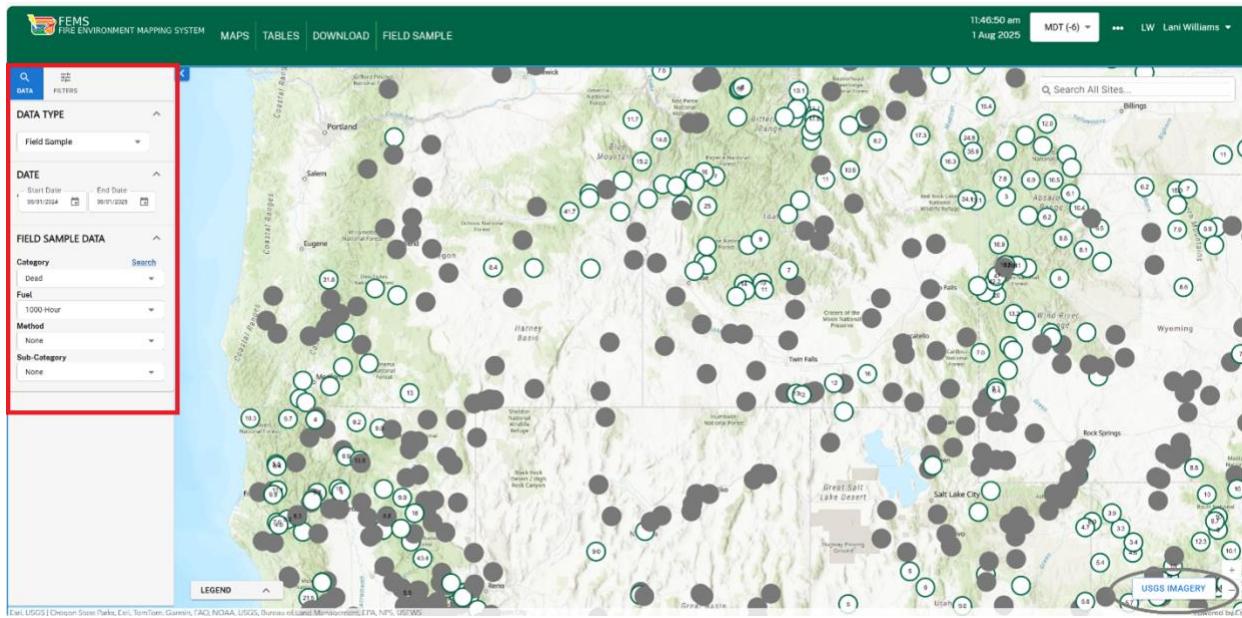
World Topo is the default.



Clicking on the “USGS IMAGERY” label will change the map.

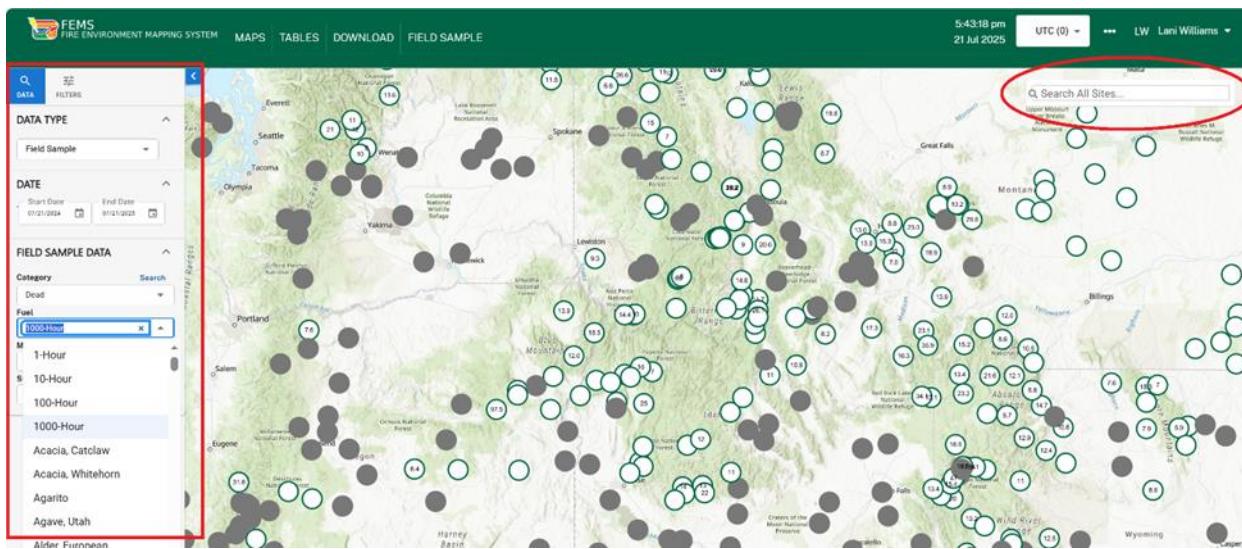


Selections on the left side will determine the map data displayed:

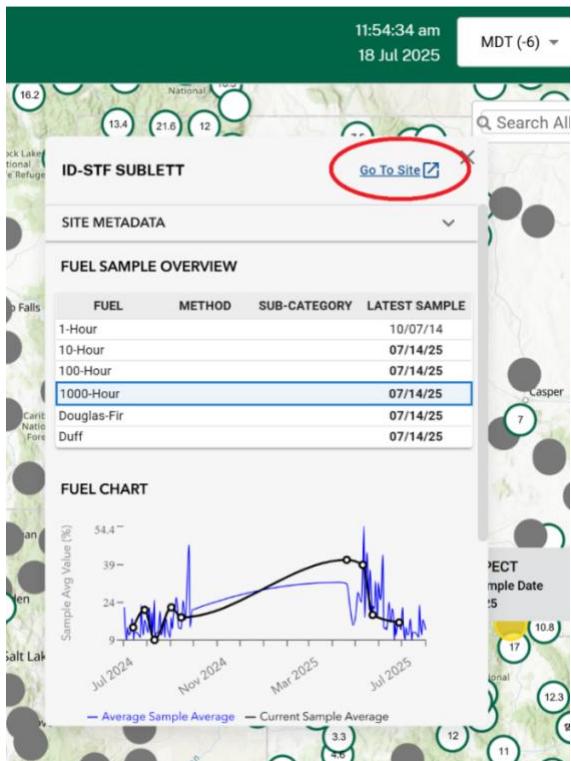


Viewing Field Sample Data

1. Data Type: Select Field Sample
2. Filter Field Sample Data: This step is essential to display sites with data.
3. You can use the “Search” option or navigate through the map.



4. Click on the site to display the current data.



- Click on the “Go To Site” link to access the tables for additional information.
- Users with authorized roles will be able to perform edits and record fuel moistures from here.

11:59:41 am
21 Jul 2025 MDT (-6) ...

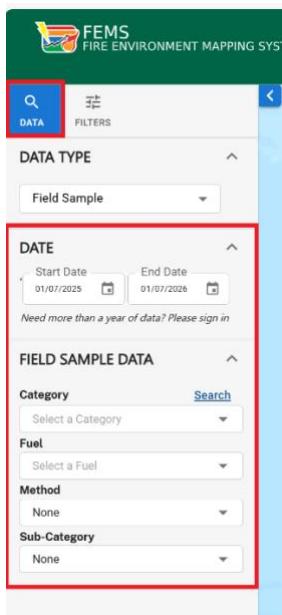
FIELD SAMPLE HOME > GREAT BASIN > SAWTOOTH SOUTH > ID-STF SUBLLETT

ID-STF Sublett SITE METADATA >

Sample Start Date	Sample End Date	Sample Type	Sample Status	Category	Sub-Category	Method
07/20/2024	07/21/2025	All	All	All	All	All
Clear Filters + New Sample						
TYPE	CATEGORY	SUB-CATEGORY	METHOD			
> 10-Hour	Dead		+			
> 100-Hour	Dead		+			
> 1000-Hour	Dead		+			
> Douglas-Fir	Tree		+			
> Duff	Dead		+			

Data Tab:

Under the “Data” tab, date selection and dropdowns will aid selections by narrowing the search based on: Category, Fuel, Sampling Method or Sub-Category. However, since most samples may not list Sampling Method or Sub-Category, it is recommended to leave those fields as “None”.



Filter Tab:

Under the “Filter” Tab the elevation filter can be used to narrow the stations displayed.

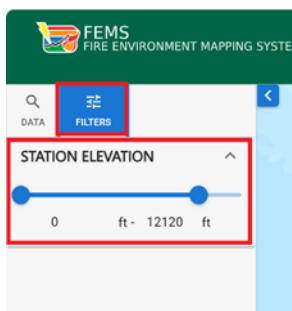


Table Option

Navigating Field Sample Tables
To View Field Sample Tables:

1. Select the “Tables” tab in the banner.

2. Select the “Field Samples Sites” tab:

2:07:14 pm
29 Jul 2025
MDT (-6)
LW Lani Williams

Stations **Field Sample Sites**

Site* Sample Type* **VIEW TABLE**

*Select required fields above

Sample Start Date*	Sample End Date	Sub-Category	Method
01/01/2025	07/29/2025	All	All

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
Rows Per Page: 10				
		0-0 of 0		

3. The blank table will appear.
4. Use the dynamic search function to view the desired Sample Site.
5. Select the “Sample Site”.

8:14:06 pm
29 Jul 2025
UTC (0)
LW Lani Williams

Stations **Field Sample Sites**

Site* **VIEW TABLE**

USFS - US Forest Service-GBCC-
Sawtooth North-ID-STF Salt Creek

Sample Start Date*	Sample End Date	Sub-Category	Method
01/01/2025	07/29/2025	All	All

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
Rows Per Page: 10				
		0-0 of 0		

6. Select “Sample Type”. It is best to select “ALL” to ensure the greatest likelihood of viewing data.
7. Select the “View Table” button.

8:22:53 pm
29 Jul 2025
UTC (0)
LW Lani Williams

Stations **Field Sample Sites**

Site* Sample Type* **VIEW TABLE**

ID-STF Salt Creek SITE METADATA

Sample Start Date*	Sample End Date	Sub-Category	Method
01/01/2025	07/29/2025	All	All

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
01/02/2025	84.00%	DOUGLAS-FIR		
07/02/2025	196.00%	FEEDSC, RABAO		
07/02/2025	230.00%	SAGEBRUSH, MOUNTAIN BIG		
07/02/2025	93.00%	FIR, SUBALPINE		
07/01/2025	22.00%	1000-HOUR		
06/29/2025	93.00%	FIR, SUBALPINE		
06/29/2025	217.00%	SAGEBRUSH, MOUNTAIN BIG		
06/29/2025	83.00%	DOUGLAS-FIR		
06/29/2025	14.00%	1000-HOUR		

Rows Per Page: 10

8. The table will display the data for the current year.
9. Use of the calendar feature to display additional data.
10. The use of additional filters will provide views of specific data.

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
08/05/2024	118.00%	FIR, SUBALPINE		
08/05/2024	7.00%	1000 HOUR		
08/05/2024	120.00%	DOUGLAS-FIR		
08/05/2024	114.00%	SAGEBRUSH, MOUNTAIN BIG		
07/16/2024	181.00%	SAGEBRUSH, MOUNTAIN BIG		
07/16/2024	8.00%	1000 HOUR		
07/16/2024	131.00%	FESCUE, IDAHO		
07/16/2024	94.00%	FIR, SUBALPINE		
07/16/2024	91.00%	DOUGLAS-FIR		
07/17/2024	9.00%	1000 HOUR		

To View Field Sample Site Metadata

1. After filtering for a specific site, there will be a “carrot” to the right of the site name.

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
07/02/2025	86.00%	DOUGLAS-FIR		
07/02/2025	195.00%	FESCUE, IDAHO		

2. Select the “carrot” to display the “Site Metadata”.

Latitude	Longitude	Elevation	Remarks	Group Name	Agency Landowner	State	Status	Slope	Aspect
43.5352	-114.8623	7771 ft	Sage is Mountain	Sawtooth North	USFS - US Forest Service	Idaho	Active	5°-70%+	N
CREATED DATE	AREA NAME								
06/09/2015	Great Basin								

DATE	SAMPLE AVG VALUE	TYPE	SUB-CATEGORY	METHOD
07/02/2025	86.00%	DOUGLAS-FIR		
07/02/2025	195.00%	FESCUE, IDAHO		

Program Administration

1. Sign into FEMS and Proceed to the Field Sample tab.
2. Click on the “Field Sample” tab.



3. Field Sample can be filtered by Area (GACC), Group Status (Active, Inactive, All) or Group.
 - a) Buttons to add Areas, Groups and Sites are available based on roles. Greater functionality will be released in the future.



Area	Group Status	Groups	
All	All	All	
<hr/>			
GROUP NAME	GROUP EDITOR(S)	AREA NAME	AREA EDITOR(S)
INTERAGENCY	Eric Miller, Jen...	Alaska	Eric Miller
ACADIA NP	Bryan Dalgle, Tony...	Eastern Area	Stephen Marien
CHEQUAMEGON-NICOLET NF	Michael Mattmiller, Steven...	Eastern Area	Stephen Marien
HIAWATHA NF	Nick Mouhaan, Jennifer...	Eastern Area	Stephen Marien
HOOSIER NF	Jeremy Kolaks, Logan...	Eastern Area	Stephen Marien

Field Sample Area Editor

Adding, and Editing Field Sample Groups is a role that is assigned to the **Field Sample Area Editor**.

To Add a Field Sample Group:

3. Sign into FEMS and proceed to the Field Sample tab.
4. Click on the “Add a Group” button:

Field Samples

Area	Group Status	Groups	ADD AN AREA	ADD A GROUP	ADD A SITE
All	All	All			
GROUP NAME	AREA NAME	GROUP OWNER(S)	GROUP STATUS		
INTERAGENCY	Alaska	Eric Miller	Active		
ACADIA NP	Eastern Area	Stephen Marien	Active		
CHEQUAMEGON-NICOLET NF	Eastern Area	Stephen Marien	Active		
CHIPPEWA-SUPERIOR NF	Eastern Area	Stephen Marien	Active		
HIAWATHA NF	Eastern Area	Stephen Marien	Active		
HURON-MANISTEE NF	Eastern Area	Stephen Marien	Active		
IA-DNR	Eastern Area	Stephen Marien	Active		
MI-DNR	Eastern Area	Stephen Marien	Active		

5. A popup box will appear.

Add a Group

Group Name *	<input type="text" value="Input Name"/>
Area Name *	<input type="text" value="Search Areas"/>
Primary Contact	
Contact Name *	<input type="text" value="Search Names"/> Create New Contact
Contact Email	<input type="text" value="Contact Email"/> Position Title
<input type="button" value="Cancel"/> <input type="button" value="Add"/>	

6. Complete the required fields.

- Select “Area Name” from the dropdown list.
- The “Primary Contact” field is a searchable field to avoid duplicate entries in the database.
 - More than one contact may be listed.
 - See “Add a New Contact” below to add a new contact.**

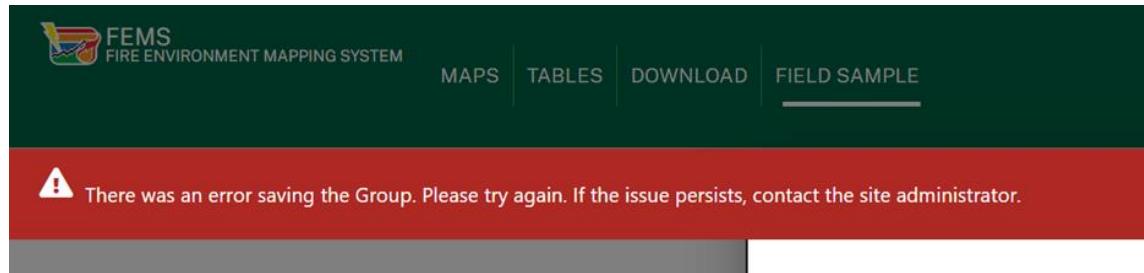
7. When all information has been entered, click on the “Add” button.

8. A banner will appear at the top to indicate that a Group has been created.



The new group, Cc Test, was saved.

9. Each Group must have a unique name. If a duplicate is attempted a red error banner will appear at the top.



10. To add another group, click on “Add a Group” again and begin a new group.

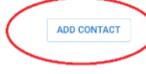
To Add a New Contact:

1. Select “Add New Contact”:

A screenshot of the 'Add a Group' form. The 'Primary Contact' section contains fields for 'Contact Name *' (with a search bar and a 'Create New Contact' button highlighted with a red circle), 'Government Email', 'Government Phone', 'Ext.', and 'Position Title'. Below this section is a '+ Add Contact' button. At the bottom of the form are 'Cancel' and 'Add' buttons.

2. You will be redirected to the “Contacts” Table.
3. Click on the “ADD CONTACT” button:

Contacts


 ADD CONTACT

Search Directory		Area	Group		
		All	All		
NAME	AREA	GROUP	PHONE	EMAIL	
> Aaron Betcher		Colorado State Forest Show More...	303-271-4953	ambetcher@co.jefferson.co.us	 
> Aaron Ortega		PSICC	719-553-1634	aaron.ortega@usda.gov	 
> Aaron Woodham		NW02-MRP	253-370-3769	aaron_woodham@nps.gov	 
> Abel Martinez		Rancho Santa Fe Show More...	000-000-0000	Martinez@RSF-Fire.Org	 
> Abel MartinezFirefighter			000-000-0000	Martinez@RSF-Fire.Org	 
> Abie Carabajal	Southwest		Undefined		 
> Adam Zaharris		Whiskeytown NRA	530-524-7250	adam_zaharris@nps.gov	 
> Adrian Padilla		BLM - Albuquerque Show More...	505-630-6353	ajpadilla@blm.gov	 
> Alan Taylor			760-647-3034	ataylor04@fs.fed.us	 
> Alex Babcock		Santa Barbara County Show More...	Undefined	ababcock@countyofsb.org	 

4. A popup will appear:

Add New Contact

Contact Name *	Government Phone	Ext.
<input type="text" value="Enter Contact Name"/>	<input type="text" value=".....-.....-....."/>	<input type="text" value="Ext."/>
Government Email	Position Title	
<input type="text" value="Enter Government Email"/>	<input type="text" value="Enter Position Title"/>	
Contact Location		
<input type="text" value="Enter Contact Location"/>		


 Cancel Add

5. Fill in the requested information and select “Add”.
 6. The individual should now be available to add as a contact.

To Edit an Existing Contact:

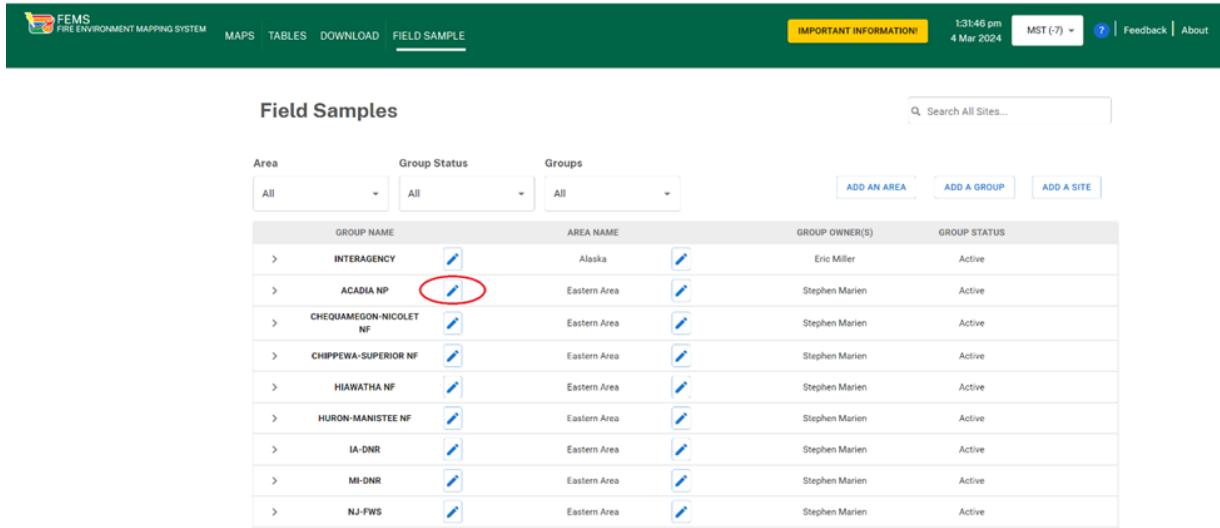
1. Navigate to the “Contacts” table by using the “Add A Group” icon.
2. Click on the “Add A Contact” link.
3. Use the dynamic search feature on the “Contacts” table:

4. Click on the **Edit** link located on the Contact Screen:

5. A popup box will appear.
 6. Make the desired edits and click “Save”:

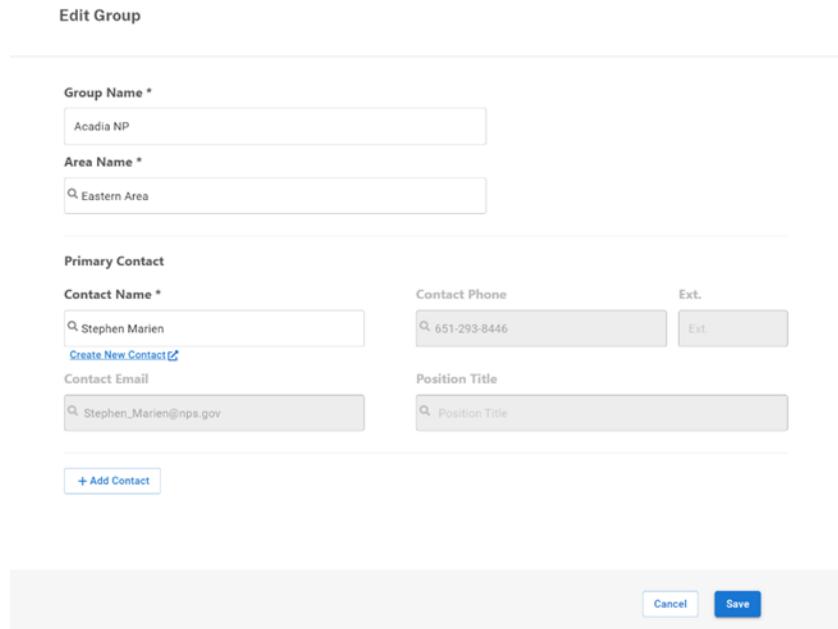
To Edit a Field Sample Group:

1. Select the **Edit link** to the right of the Field Sample Group name.



Area	Group Status	Groups	
All	All	All	
> INTERAGENCY	Alaska	Eric Miller	Active
> ACADIA NP	Eastern Area	Stephen Marien	Active
> CHEQUAMEGON-NICOLET NF	Eastern Area	Stephen Marien	Active
> CHIPPEWA-SUPERIOR NF	Eastern Area	Stephen Marien	Active
> HIAWATHA NF	Eastern Area	Stephen Marien	Active
> HURON-MANISTEE NF	Eastern Area	Stephen Marien	Active
> IA-DNR	Eastern Area	Stephen Marien	Active
> MI-DNR	Eastern Area	Stephen Marien	Active
> NJ-FWS	Eastern Area	Stephen Marien	Active

2. A popup box will appear.



Group Name *

Area Name *

Primary Contact

Contact Name *

[Create New Contact](#)

Contact Email

Contact Phone

Ext.

Position Title

[+ Add Contact](#)

Cancel

Save

3. Edit the requested fields.
 - a. Select “Area Name” from the dropdown list.
4. Additional contacts may be added.

- The Field Sample Database will not allow duplicate contacts to be entered.
- If a duplicate is attempted a red error banner will appear at the top.



The screenshot shows the FEMS interface with the 'FIELD SAMPLE' tab selected. A red error banner at the top states: 'There was an error saving the Contact. Please try again. If the issue persists, contact the Help Desk, refer to the Help Page.' The top navigation bar shows the date as 1 Aug 2025 and the time as 11:22:26 am. The user is LW Lani Williams.

- When finished, click on the Save Changes button to save the information to the database.
- A banner will appear at the top to indicate that a Group has been saved.



The screenshot shows the FEMS interface with the 'FIELD SAMPLE' tab selected. A green success banner at the top states: 'The changes to the group, Acadia NP, were saved.' The top navigation bar shows the date as 1 Aug 2025 and the time as 11:28:01 am. The user is LW Lani Williams.

- Each Group must have a unique name.
 - If a duplicate group is entered an error message will be displayed:



The screenshot shows the FEMS interface with the 'FIELD SAMPLE' tab selected. A red error banner at the top states: 'There was an error saving the Group. Please try again. If the issue persists, contact the Help Desk, refer to the Help Page.' The top navigation bar shows the date as 29 Jul 2025 and the time as 1:58:19 pm. The user is LW Lani Williams.

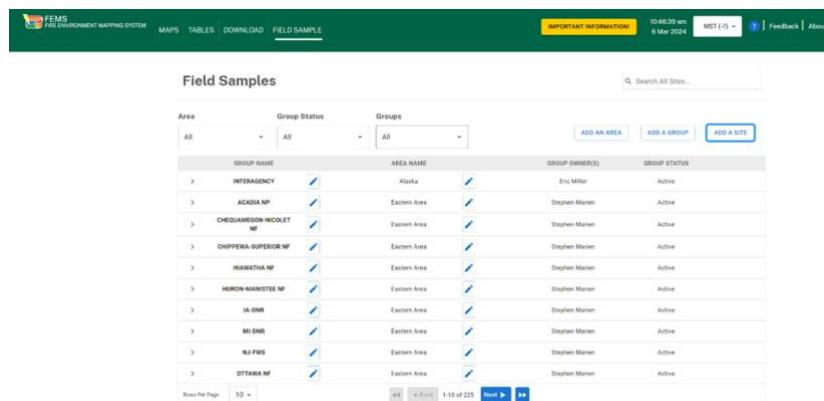
Field Sample Group Editor

Managing a Field Sample Site

Creating, Editing and Deleting Fields Sample Sites is a role that is assigned to the **Field Sample Group Editor**.

To Add a Field Sample Site:

- Sign into FEMS and Proceed to the Field Sample tab.
- Click on the “Add a Site” button.



The screenshot shows the 'Field Samples' page. The top navigation bar includes 'MAPS', 'TABLES', 'DOWNLOAD', 'FIELD SAMPLE', 'IMPORTANT INFORMATION', '10:48:30 am', '6 Mar 2024', 'MST (-7)', 'Feedback', and 'About'. A search bar at the top right says 'Search All Sites...'. The main content area shows a table of field sample sites with columns: Area, Group Status, Groups, Group Name, Area Name, Group Owner(s), and Group Status. The table lists several sites, all of which are currently active. The bottom of the page includes a 'Rows Per Page' dropdown set to 10, and navigation buttons for 'First', 'Previous', 'Next', and 'Last'.

Area	Group Status	Groups	Group Name	Area Name	Group Owner(s)	Group Status
All	All	All	INTERAGENCY	Alaska	Eric Miller	Active
			ACADIA NP	Eastern Area	Stephen Marion	Active
			CHEQUAMONON-NICOLET NF	Eastern Area	Stephen Marion	Active
			CHIPPENWA-SUPERIOR NF	Eastern Area	Stephen Marion	Active
			HWYKATHA NF	Eastern Area	Stephen Marion	Active
			HURON-MANISTEE NF	Eastern Area	Stephen Marion	Active
			IA-DNR	Eastern Area	Stephen Marion	Active
			MI-DNR	Eastern Area	Stephen Marion	Active
			NJ-FWS	Eastern Area	Stephen Marion	Active
			OTTAWA NF	Eastern Area	Stephen Marion	Active

3. A popup box will appear.

Add a Site

Site Name*
Input Site Name

Latitude* Longitude*
Input Latitude Input Longitude

Elevation*
Enter Elevation

Remarks
Enter Remarks

Site Start Date*
Site Start Date 

Agency Landowner*

4. Fill in the required information.

- a) Site Name – Needs to be unique.
- b) Latitude and Longitude.
- c) Elevation
- d) Remarks should pertain to the site. **Remarks related to the sample will be available in a future release.**
- e) Site Start Date – available with a calendar option.

Add a Site

Site Name*
Input Site Name

July 2025    Longitude*

S	M	T	W	T	F	S
1	2	3	4	5		
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Site Start Date 

Agency Landowner*

- f) Agency Landowner – Select from a dropdown – searchable field.
- g) Group Name – Select from a dropdown – searchable field.
- h) Area Name – Select from a dropdown – searchable field.
- i) Status – Select from a dropdown.
- j) State - Select from a dropdown – searchable field.

5. Be sure to scroll down for then additional fields.

Enter Remarks

Site Start Date*

Agency Landowner*

Group Name*

Area Name*

Status*

State *

Cancel Add

To Edit a Field Sample Site:

A Field Sample Site can either be edited from the data entry table or when viewing the Site Metadata.

Edit from the Data Entry Table:

1. To edit a Field Sample Site, from the data entry table select the **icon** to the left of the Field Sample Group name.

Field Samples

Search All Sites...

Area	Group Status	Groups	ADD AN AREA	ADD A GROUP	ADD A SITE	
Eastern Great Ba...	All	All				
GROUP NAME		AREA NAME	GROUP OWNER(S)		GROUP STATUS	
ARIZONA STRIP DISTRICT		Eastern Great Basin	Shelby Law		Active	
ASHLEY NF		Eastern Great Basin	Shelby Law		Active	
BOISE FO		Eastern Great Basin	Shelby Law		Active	
SITE NAME		LAT/LON	ELEVATION	REMARKS	STATUS	AGENCY LANDOWNER
Blackstone		42.441111111111105, 115.88555555555556	5000		Inactive	BLM
Hammett		42.967222222222236, 115.45694444444445	2706		Inactive	BLM
Kuna		43.44222222222222, 116.43927777777778	3060		Inactive	BLM
Simco		43.08833333333334, 115.96438888888889	3000	This site is...	Inactive	BLM
Triangle		42.805, 116.63166666666666	5186		Inactive	BLM
Wild West		43.870555555555555, 116.7775	2593		Inactive	BLM
BOISE NF		Eastern Great Basin		Shelby Law	Active	
BRIDGER-TETON NF		Eastern Great Basin		Shelby Law	Active	

2. A popup will appear.

Edit Site

Site Name*	Wild West		
Latitude*	43.8705	Longitude*	-116.7775
Elevation*	2593		
Remarks	Enter Remarks		
Site Start Date*	01/01/2006		
Agency Landowner*			

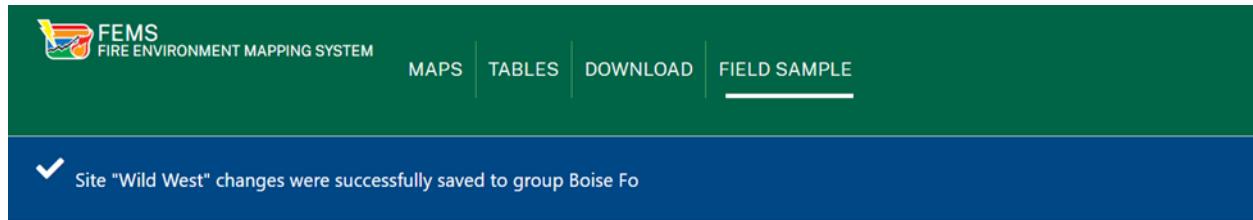
3. Make the desired edits.

- a) Remarks should pertain to the site. **Remarks related to the sample will be available in a future release.**
- b) Start Date – available with a calendar option.
- c) Time – select the hour on the right of the calendar.
- d) Agency Landowner – Select from a dropdown – searchable field.
- e) Group Name – Select from a dropdown – searchable field.
- f) Area Name – Select from a dropdown – searchable field.
- g) Status – Select from a dropdown.
- h) State - Select from a dropdown – searchable field.

4. Be sure to scroll down for additional fields.

Enter Remarks	
Site Start Date*	01/01/2006
Agency Landowner*	QBLM - Bureau of Land Management
Group Name*	QBoise FO
Area Name*	QGreat Basin
Status*	Active
State *	QIdaho

5. Click on “Save”.
6. A banner will appear at the top to indicate that the Site has been edited.



Edit from Site Metadata:

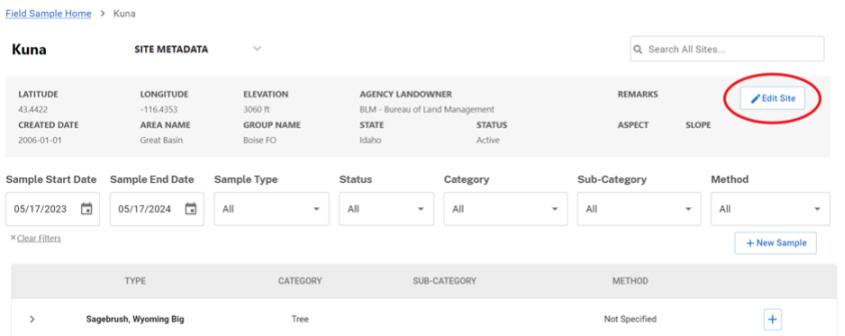
1. Open the Site by clicking on the site name.

GROUP NAME	AREA NAME	GROUP OWNER(S)	GROUP STATUS		
ARIZONA STRIP DISTRICT	Eastern Great Basin	Sherby Law	Active		
ASHLEY NF	Eastern Great Basin	Sherby Law	Active		
BOISE FO	Eastern Great Basin	Sherby Law	Active		
Blackstone	42.44111111111105, 115.88555555555556	5000	Inactive	BLM	
Hammett	42.96722222222226, 115.45944444444445	2706	Inactive	BLM	
Kuna	43.44222222222222, 116.43527777777778	3060	Inactive	BLM	
Simco	43.06833333333334, 115.96638888888889	3000	This site is...	Inactive	BLM
Triangle	42.805, 116.63166666666666	5186	Inactive	BLM	
Wild West	43.87055555555555, 116.7775	2593	Inactive	BLM	
BOISE NF	Eastern Great Basin	Sherby Law	Active		
BRIDGER-TETON NF	Eastern Great Basin	Sherby Law	Active		

2. The Site information will display.
3. Click on “Site Metadata”.

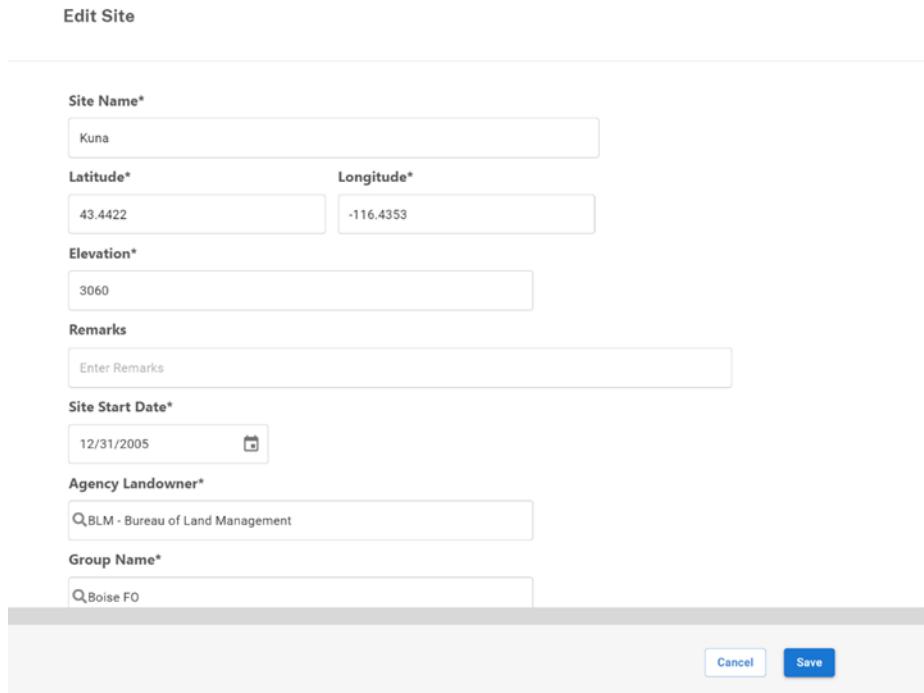
Sample Start Date	Sample End Date	Sample Type	Status	Category	Sub-Category	Method
05/17/2023	05/17/2024	All	All	All	All	All
<input type="button" value="+ New Sample"/>						
TYPE	CATEGORY	SUB-CATEGORY	METHOD			
> Sagebrush, Wyoming Big	Tree		Not Specified	<input style="width: 20px; height: 20px;" type="button" value="+"/>		

4. The Metadata will be displayed.
5. Click on the “Edit Site” button.



The screenshot shows the 'Field Sample Home' interface. At the top, there is a breadcrumb navigation: 'Field Sample Home > Kuna'. Below this is a table with site metadata. The table has columns for Latitude, Longitude, Elevation, Agency Landowner, Remarks, Aspect, and Slope. The 'Edit Site' button is located in the Remarks column and is circled in red. Below the table are several dropdown filters for Sample Start Date, Sample End Date, Sample Type, Status, Category, Sub-Category, and Method. At the bottom, there is a list of sample categories: Sagebrush, Wyoming Big, Tree, and Not Specified, with a '+' button to add more.

6. The popup to edit site information will appear.



The 'Edit Site' popup window contains the following fields:

- Site Name***: Kuna
- Latitude***: 43.4422
- Longitude***: -116.4353
- Elevation***: 3060
- Remarks**: Enter Remarks
- Site Start Date***: 12/31/2005
- Agency Landowner***: BLM - Bureau of Land Management
- Group Name***: Boise FO

At the bottom right of the window are 'Cancel' and 'Save' buttons.

7. After making the desired edits, click “Save”.
 - a) Remarks should pertain to the site. **Remarks related to the sample will be available in a future release.**
 - b) Start Date – available with a calendar option.
 - c) Time – select the hour on the right of the calendar.
 - d) Agency Landowner – Select from a dropdown – searchable field.
 - e) Group Name – Select from a dropdown – searchable field.
 - f) Area Name – Select from a dropdown – searchable field.
 - g) Status – Select from a dropdown.
 - h) State - Select from a dropdown – searchable field.
8. After making the desired edits, click “Save”.

9. A banner will appear at the top to indicate that the site has been edited.

Error Banner

The screenshot shows the 'Edit Site' page. At the top, there are two green checkmark banners: 'Site "Mtn Home Rd - South Edit" changes were successfully saved to group Boise NF' and 'Site "Mtn Home Rd - South" changes were successfully saved to group Bo'. Below these, a red banner displays a yellow exclamation mark icon with the text 'There was an error saving the Site. Please try again. If the issue persists, contact the site administrator.' A text input field labeled 'Site Name' is visible below the banner.

A red banner across the top may appear to indicate an error when creating or editing a site.

If this occurs – contact the IIA HelpDesk (866-224-7677).

Field Sample Collector

Entering and editing Fuel Moistures is the role of the **Field Sample Area Editor**, Group Editor and Sample Site Collector.

1. Sign into FEMS and select the Field Sample tab.
2. Use dynamic filters to locate the desired Group.

The screenshot shows the 'Field Samples' page. At the top, there is a search bar with the placeholder 'Search All Sites...'. Below the search bar are filter options: 'Area' (Great Basin), 'Group Status' (All), and 'Groups' (Boise). A red box highlights the 'Groups' dropdown. To the right, there are buttons for 'ADD AN AREA', 'ADD A GROUP', and 'ADD A SITE'. Below the filters, a table shows group details: GROUP NAME (ARIZONA STRIP DISTRICT), GROUP (Boise FO), AME (Greta H. Boise NF), and AGENCY LANDOWNER (Basin). To the right, a table shows area editor(s) (Matt Ginder, Dave) and group status (Active). A vertical scroll bar is on the right side of the page.

3. To edit access Field Sample Site, select the “carrot” to the left of the Field Sample Group name.

The screenshot shows the 'Field Samples' page with a list of sites. The table has columns: SITE NAME, LAT/LON, ELEVATION, REMARKS, STATUS, and AGENCY LANDOWNER. Each site row has an edit icon (pencil) to the left of the group name. The first site listed is 'Mountain Home - Grise Creek'. The status for all sites is 'Active'. The agency landowner for all sites is 'USFS - US Forest Service'. A vertical scroll bar is on the right side of the page.

4. A dropdown of Field Sample Sites will appear.
5. Click on the name of the Field Sample Site to edit.
6. A new screen will appear listing all the fuel types currently being monitored.

FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek

SITE METADATA >

Sample Start Date: 07/29/2024 | Sample End Date: 07/30/2025 | Sample Type: All | Sample Status: All | Category: All | Sub-Category: All | Method: All

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
10-Hour	Dead	Gravimetric	+
100-Hour	Dead	Gravimetric	+
1000-Hour	Dead	Gravimetric	+
Ceanothus, Redstem	Shrub	Gravimetric	+
Douglas-Fir	Tree	Gravimetric	+

Adding Fuel Moistures for Fuel Types being Monitored:

1. Select the fuel type being sampled.
 - a. Fuel types may also be filtered by: Date, Sample Type, Status, Category, Sub-Category (New Field) Method.
 - b. The “Sample Type” dropdown will only include fuel types with sample data.

FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek

SITE METADATA >

Sample Start Date: 07/29/2024 | Sample End Date: 07/30/2025 | Sample Type: All | Sample Status: All | Category: All | Sub-Category: All | Method: All

+ New Sample

TYPE	SUB-CATEGORY	METHOD
10-Hour	Gravimetric	+
100-Hour	Gravimetric	+
1000-Hour	Gravimetric	+
Ceanothus, Redstem	Gravimetric	+
Douglas-Fir	Gravimetric	+
Ninebark, Pacific	Gravimetric	+
Pine, Ponderosa	Gravimetric	+

2. A table will populate.

The screenshot shows a table with columns: TYPE, CATEGORY, SUB-CATEGORY, and METHOD. The '1000-Hour' fuel type is selected, and its sub-samples are listed. The sub-sample table has columns: DATE, TIME, SAMPLE AVG VALUE, and SAMPLE STATUS. The status for all samples is 'Submitted'.

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> 10-Hour	Dead		Gravimetric
> 100-Hour	Dead		Gravimetric
> 100-Hour	Dead		Gravimetric
1000-Hour	Dead		Gravimetric

DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS
> 07/14/2025	06:00 MDT	9.66 %	Submitted
> 06/20/2025	07:00 MDT	10.68 %	Submitted
> 06/18/2025	12:00 MDT	15.00 %	Submitted
> 06/09/2025	00:00 MDT	17.00 %	Submitted
> 09/26/2024	13:00 MDT	13.15 %	Submitted

3. Click on the “+” icon to add new fuel moistures for the same fuel type.
4. A popup will appear preloaded to the selected sample type.
5. Enter the Sample Date & Time and click on the “New Sample” button.
 - a. Notice the time selection to the right of the calendar.
 - b. Select the desired time.

The dialog box is for selecting a date and time. It shows a calendar for July 2025 with the 30th circled. To the right is a vertical hour selector from 00 to 07. Below the calendar is a 'Select Date & Time' field and a 'MDT (-6)' dropdown. At the bottom are 'Method' and 'Gravimetric' dropdowns, and buttons for 'Cancel' and 'New Sample'.

6. A table will open.
7. Click on “Add Sub-Sample”.

FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek

Sample Start Date: 07/28/2025 | Sample End Date: 07/29/2025 | Sample Type: 1000-Hour | Sample Status: All | Category: Dead | Sub-Category: | Method: Gravimetric

[+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD																																																
1000-Hour	Dead		Gravimetric																																																
<table border="1"> <tr> <th>DATE</th> <th>TIME</th> <th>SAMPLE AVG VALUE</th> <th>SAMPLE STATUS</th> </tr> <tr> <td>07/29/2025</td> <td>15:00 MDT</td> <td>0.00 %</td> <td>Draft</td> </tr> <tr> <td colspan="4"> <table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table> </td> </tr> <tr> <td colspan="4" style="text-align: right;"> + Add Sub Sample </td> </tr> </table>				DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS	07/29/2025	15:00 MDT	0.00 %	Draft	<table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table>				CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE	Container #	Input Weig	Input Weig	Input Weig	8.7	Draft			Container #	Input Weig	Input Weig	Input Weig	9.2	Draft			Container #	Input Weig	Input Weig	Input Weig	8.9	Draft			+ Add Sub Sample			
DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS																																																
07/29/2025	15:00 MDT	0.00 %	Draft																																																
<table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table>				CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE	Container #	Input Weig	Input Weig	Input Weig	8.7	Draft			Container #	Input Weig	Input Weig	Input Weig	9.2	Draft			Container #	Input Weig	Input Weig	Input Weig	8.9	Draft																		
CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE																																												
Container #	Input Weig	Input Weig	Input Weig	8.7	Draft																																														
Container #	Input Weig	Input Weig	Input Weig	9.2	Draft																																														
Container #	Input Weig	Input Weig	Input Weig	8.9	Draft																																														
+ Add Sub Sample																																																			

Rows Per Page: All | [All](#) | [1-1 of 1](#) | [Next >](#) | [>>](#)

[Save All](#)

8. Enter the sample data.

- Enter weights or value, you cannot enter both.
- Weights are limited to two (2) decimal places.
 - The Sample Average Value will be rounded where necessary.
 - The system will not allow a negative entry.
- When a value has been entered, a “check box” will appear.
- Click on the “check box” to save your sample.
- The “check box” will change to a pencil to for editing icon.
- Multiple entries can be added at the same time by clicking on the “Add Sub-Sample” multiple times.

FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek

Sample Start Date: 07/28/2025 | Sample End Date: 07/29/2025 | Sample Type: 1000-Hour | Sample Status: All | Category: Dead | Sub-Category: | Method: Gravimetric

[+ New Sample](#)

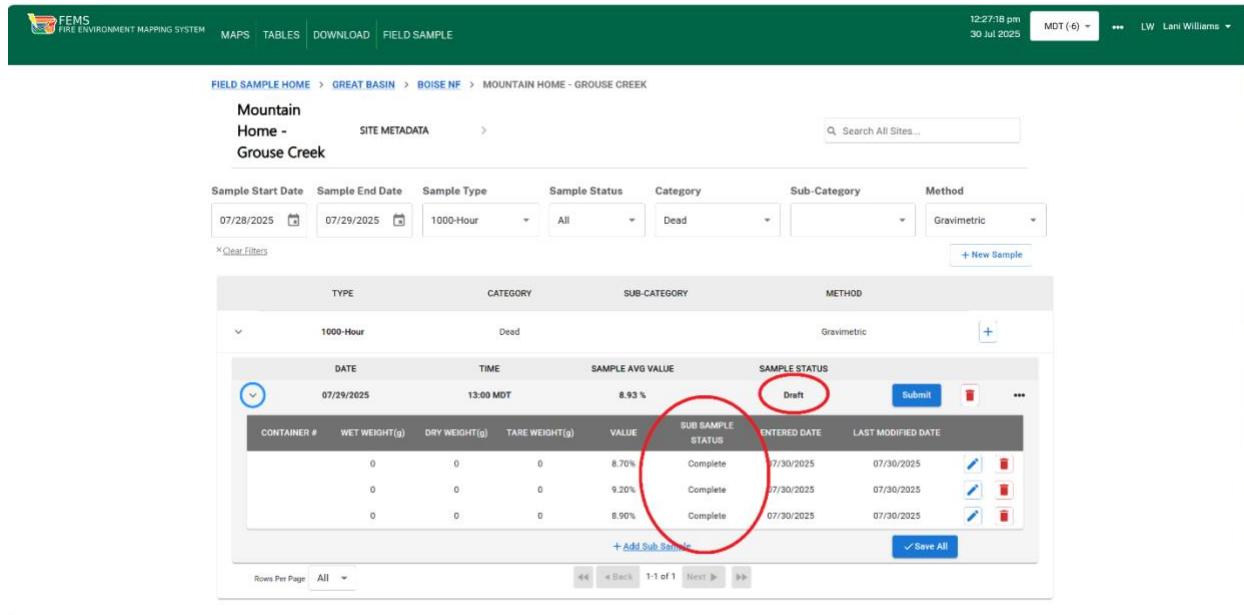
TYPE	CATEGORY	SUB-CATEGORY	METHOD																																																
1000-Hour	Dead		Gravimetric																																																
<table border="1"> <tr> <th>DATE</th> <th>TIME</th> <th>SAMPLE AVG VALUE</th> <th>SAMPLE STATUS</th> </tr> <tr> <td>07/29/2025</td> <td>13:00 MDT</td> <td>0.00 %</td> <td>Draft</td> </tr> <tr> <td colspan="4"> <table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table> </td> </tr> <tr> <td colspan="4" style="text-align: right;"> + Add Sub Sample </td> </tr> </table>				DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS	07/29/2025	13:00 MDT	0.00 %	Draft	<table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table>				CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE	Container #	Input Weig	Input Weig	Input Weig	8.7	Draft			Container #	Input Weig	Input Weig	Input Weig	9.2	Draft			Container #	Input Weig	Input Weig	Input Weig	8.9	Draft			+ Add Sub Sample			
DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS																																																
07/29/2025	13:00 MDT	0.00 %	Draft																																																
<table border="1"> <tr> <td>CONTAINER #</td> <td>WET WEIGHT(g)</td> <td>DRY WEIGHT(g)</td> <td>TARE WEIGHT(g)</td> <td>VALUE</td> <td>SUB SAMPLE STATUS</td> <td>ENTERED DATE</td> <td>LAST MODIFIED DATE</td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.7</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>9.2</td> <td>Draft</td> <td></td> <td></td> </tr> <tr> <td>Container #</td> <td>Input Weig</td> <td>Input Weig</td> <td>Input Weig</td> <td>8.9</td> <td>Draft</td> <td></td> <td></td> </tr> </table>				CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE	Container #	Input Weig	Input Weig	Input Weig	8.7	Draft			Container #	Input Weig	Input Weig	Input Weig	9.2	Draft			Container #	Input Weig	Input Weig	Input Weig	8.9	Draft																		
CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE																																												
Container #	Input Weig	Input Weig	Input Weig	8.7	Draft																																														
Container #	Input Weig	Input Weig	Input Weig	9.2	Draft																																														
Container #	Input Weig	Input Weig	Input Weig	8.9	Draft																																														
+ Add Sub Sample																																																			

Rows Per Page: All | [All](#) | [1-1 of 1](#) | [Next >](#) | [>>](#)

[Save All](#)

- An “X” will reset the sub-sample.

- h. The “trash can” will delete the record, if in “Draft”.
- i. The ability to view archive data will be available in a future release.
- i. If you are finished entering values, click on “Save” or “Save All” and the status will change from “Draft” to “Complete”.

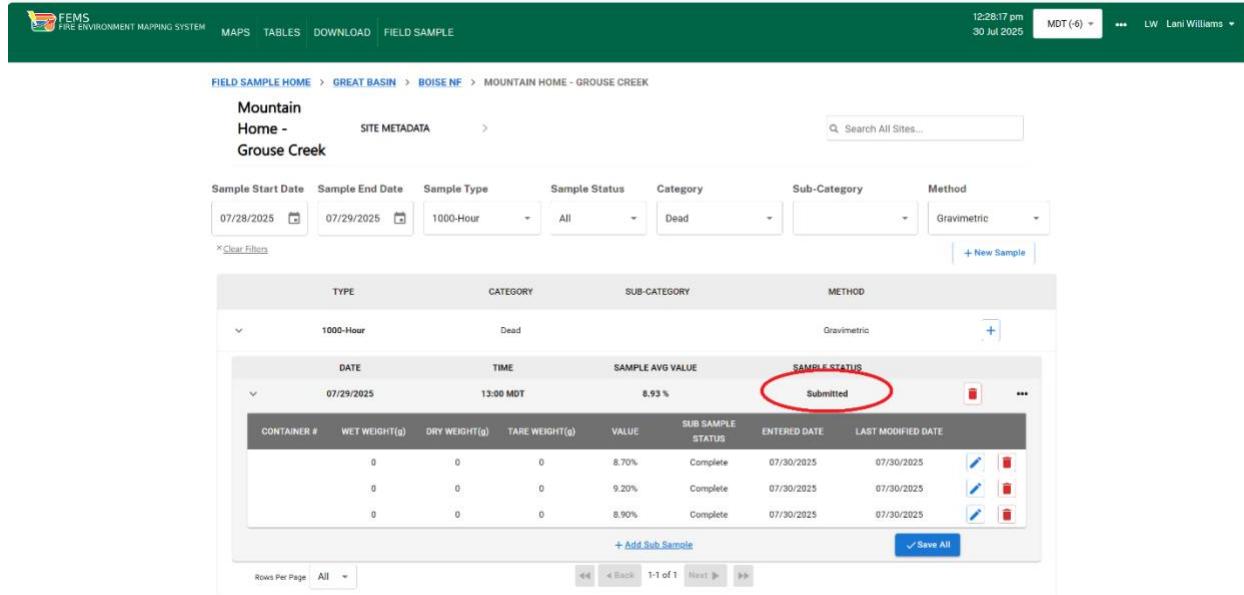


FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek SITE METADATA >

Sample Start Date	Sample End Date	Sample Type	Sample Status	Category	Sub-Category	Method	
07/28/2025	07/29/2025	1000-Hour	All	Dead		Gravimetric	
<input type="button" value="Clear Filters"/> <input type="button" value="+ New Sample"/>							
TYPE	CATEGORY	SUB-CATEGORY	METHOD				
1000-Hour	Dead		Gravimetric <input type="button" value="+"/>				
DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS				
07/29/2025	13:00 MDT	8.93 %	<input checked="" type="radio"/> Draft <input type="button" value="Submit"/> <input type="button" value="Delete"/> <input type="button" value="..."/>				
CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE
0	0	0	8.70%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0	0	0	9.20%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0	0	0	8.90%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
				<input type="button" value="+ Add Sub Sample"/>		<input type="button" value="✓ Save All"/>	
<input type="button" value="Rows Per Page: All"/> <input type="button" value="44"/> <input type="button" value="4 Back"/> <input type="button" value="1-1 of 1"/> <input type="button" value="Next >"/> <input type="button" value="44"/>							

- j. Click on “Submit” to change the status from “Draft” to “Submitted”.
- k. There will be a pop-up box to confirm that the data is to be submitted.



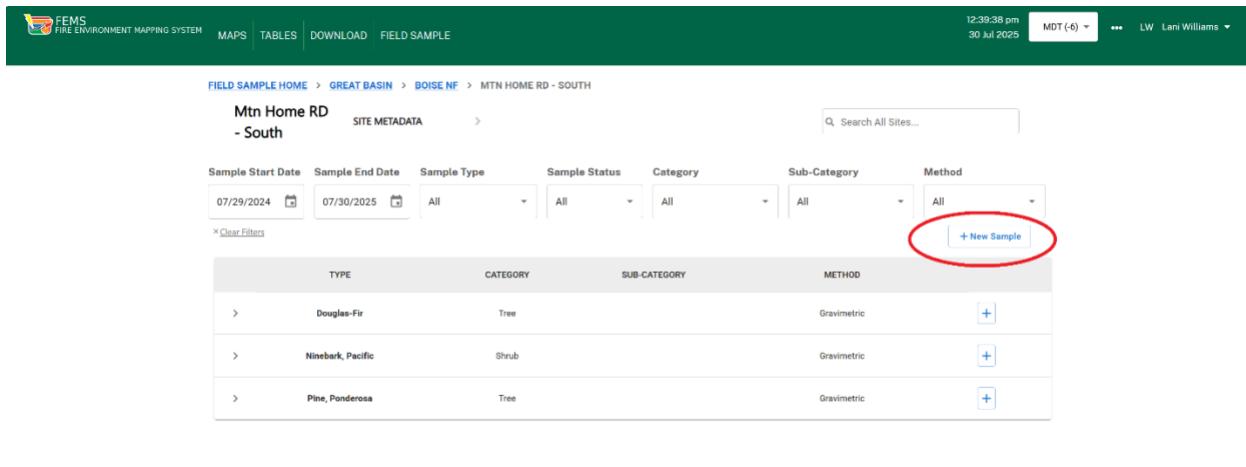
FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MOUNTAIN HOME - GROUSE CREEK

Mountain Home - Grouse Creek SITE METADATA >

Sample Start Date	Sample End Date	Sample Type	Sample Status	Category	Sub-Category	Method	
07/28/2025	07/29/2025	1000-Hour	All	Dead		Gravimetric	
<input type="button" value="Clear Filters"/> <input type="button" value="+ New Sample"/>							
TYPE	CATEGORY	SUB-CATEGORY	METHOD				
1000-Hour	Dead		Gravimetric <input type="button" value="+"/>				
DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS				
07/29/2025	13:00 MDT	8.93 %	<input checked="" type="radio"/> Submitted <input type="button" value="Delete"/> <input type="button" value="..."/>				
CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE
0	0	0	8.70%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0	0	0	9.20%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
0	0	0	8.90%	Complete	07/30/2025	07/30/2025	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
				<input type="button" value="+ Add Sub Sample"/>		<input type="button" value="✓ Save All"/>	
<input type="button" value="Rows Per Page: All"/> <input type="button" value="44"/> <input type="button" value="4 Back"/> <input type="button" value="1-1 of 1"/> <input type="button" value="Next >"/> <input type="button" value="44"/>							

Adding Fuel Moistures for a new Fuel Type:

1. Click on the “+ New Sample” at the top of the table.



FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MTN HOME RD - SOUTH

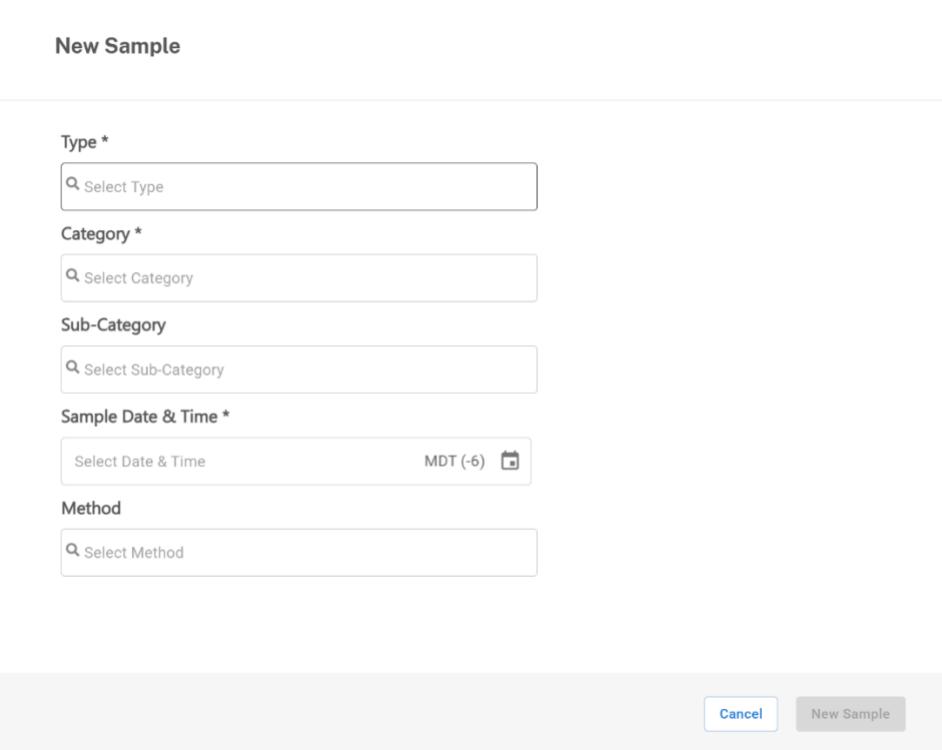
Mtn Home RD - South SITE METADATA >

Sample Start Date: 07/29/2024 Sample End Date: 07/30/2025 Sample Type: All Sample Status: All Category: All Sub-Category: All Method: All

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> Douglas-Fir	Tree		Gravimetric
> Ninebark, Pacific	Shrub		Gravimetric
> Pine, Ponderosa	Tree		Gravimetric

2. A popup will appear.



New Sample

Type *

Select Type

Category *

Select Category

Sub-Category

Select Sub-Category

Sample Date & Time *

Select Date & Time MDT (-5)

Method

Select Method

Cancel New Sample

3. Fill in the required items.

New Sample

Type *

Category *

Sub-Category

Sample Date & Time *
 MDT (-6)

Method

4. Click on the “New Sample” box.
5. The table will appear showing the new sample type.
6. Click on the “+ Add Sub-Sample”.
7. The table will expand to enter the new sample data.
 - “Multiple Sub-Samples” may be added at the same time.

FIRE ENVIRONMENT MAPPING SYSTEM MAPS TABLES DOWNLOAD FIELD SAMPLE 12:48:14 pm MDT (-6) 30 Jul 2025 LW Lani Williams

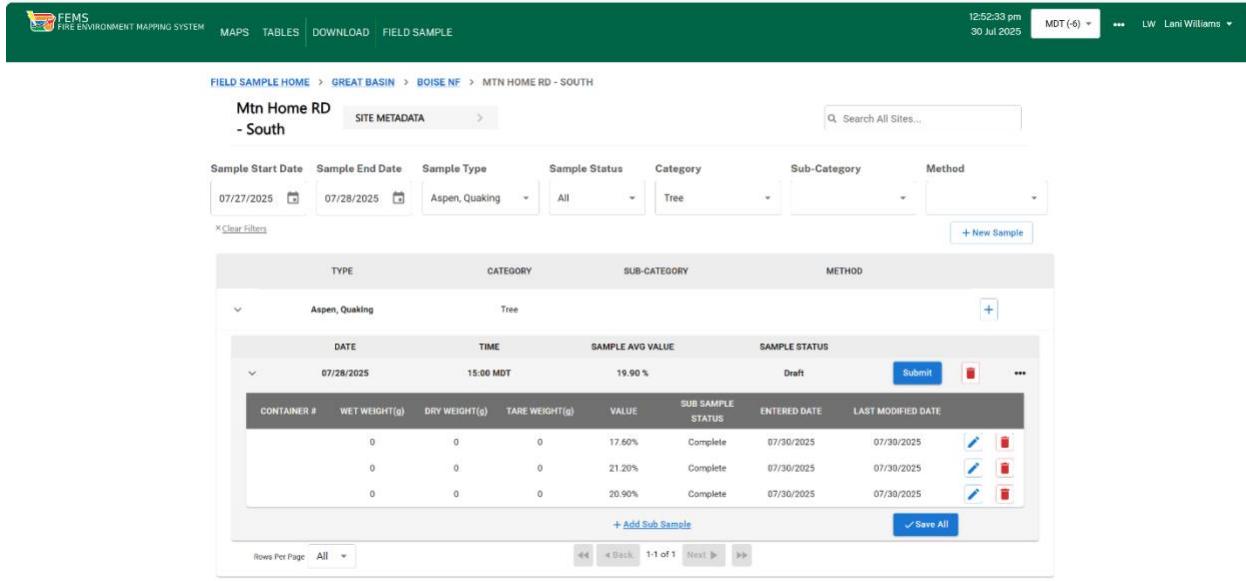
FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MTN HOME RD - SOUTH

Mtn Home RD - South SITE METADATA >

Sample Start Date	Sample End Date	Sample Type	Sample Status	Category	Sub-Category	Method	
07/27/2025 <input type="button" value="Calendar"/>	07/28/2025 <input type="button" value="Calendar"/>	Aspen, Quaking	All	Tree			
<input type="button" value="Clear Filters"/> <input type="button" value="+ New Sample"/>							
TYPE	CATEGORY	SUB-CATEGORY	METHOD				
Aspen, Quaking	Tree			<input type="button" value="+"/>			
DATE	TIME	SAMPLE AVG VALUE	SAMPLE STATUS				
07/28/2025	15:00 MDT	0.00 %	Draft	<input type="button" value="Submit"/> <input type="button" value="Delete"/> <input type="button" value="..."/>			
CONTAINER #	WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	SUB SAMPLE STATUS	ENTERED DATE	LAST MODIFIED DATE
Container #	<input type="text" value="Input Weight"/>	<input type="text" value="Input Weight"/>	<input type="text" value="Input Weight"/>	<input type="text" value="Input Value"/>	Draft		
<input type="button" value="+ Add Sub Sample"/> <input type="button" value="Save All"/>							
Rows Per Page: All		<input type="button" value="First"/> <input type="button" value="Previous"/> 1-1 of 1 <input type="button" value="Next"/> <input type="button" value="Last"/>					

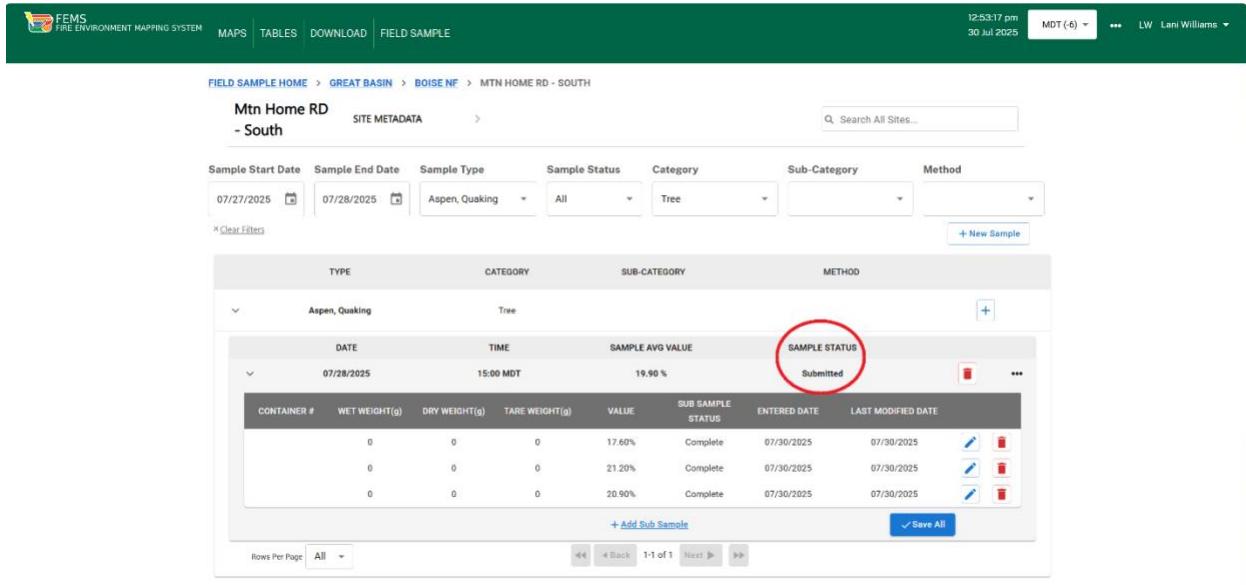
8. Enter the sample data.
 - Enter weights or value, you cannot enter both.
 - Weights are limited to two (2) decimal places.
 - The Sample Average Value will be rounded where necessary.
 - The system will not allow a negative entry.

- c. When a value has been entered, a “check box” will appear.
- d. Click on the “check box” to save your sample.
- e. The “check box” will change to a pencil to for editing icon.
- f. Multiple entries can be added at the same time by clicking on the “Add Sub-Sample” multiple times.



The screenshot shows the FEMS Field Sample Home interface. The top navigation bar includes 'FEMS FIRE ENVIRONMENT MAPPING SYSTEM', 'MAPS', 'TABLES', 'DOWNLOAD', 'FIELD SAMPLE', '12:52:33 pm', '30 Jul 2025', 'MDT (-6)', 'LW Lani Williams', and a search bar. The main content area is titled 'FIELD SAMPLE HOME > GREAT BASIN > BOISE NF > MTN HOME RD - SOUTH' and shows 'Mtn Home RD - South' with a 'SITE METADATA' button. A search bar for 'Search All Sites...' is also present. The data entry form for sub-samples is displayed, with filters for 'Sample Start Date' (07/27/2025), 'Sample End Date' (07/28/2025), 'Sample Type' (Aspen, Quaking), 'Sample Status' (All), 'Category' (Tree), 'Sub-Category' (Tree), and 'Method'. A 'Clear Filters' button and a '+ New Sample' button are available. The main table shows a single sub-sample entry for 'Aspen, Quaking' with 'Tree' as the category. The table includes columns for 'DATE' (07/28/2025), 'TIME' (15:00 MDT), 'SAMPLE AVG VALUE' (19.90 %), 'SAMPLE STATUS' (Draft), and buttons for 'Submit', 'Reset', and 'Delete'. The table also includes columns for 'CONTAINER #' (0, 0, 0), 'WET WEIGHT(g)' (17.60%, 21.20%, 20.90%), 'DRY WEIGHT(g)' (0, 0, 0), 'TARE WEIGHT(g)' (0, 0, 0), 'VALUE' (17.60%, 21.20%, 20.90%), 'SUB SAMPLE STATUS' (Complete, Complete, Complete), 'ENTERED DATE' (07/30/2025, 07/30/2025, 07/30/2025), and 'LAST MODIFIED DATE' (07/30/2025, 07/30/2025, 07/30/2025). Buttons for '+ Add Sub Sample' and 'Save All' are at the bottom. Navigation buttons for 'Rows Per Page' (All), 'Back', 'Next', and 'Last' are also present.

- g. If you are finished entering values, click on “Save” or Save All” and the status will change from “Draft” to “Complete”.
- h. The “X” will reset the sub-sample.”
- i. The “trash can” will delete the record, if in “Draft”.



The screenshot shows the FEMS Field Sample Home interface, identical to the previous one but with a red circle drawn around the 'SAMPLE STATUS' column in the main table. The table shows the sub-sample entry for 'Aspen, Quaking' with 'Tree' as the category. The 'SAMPLE STATUS' column for the first row is circled in red and shows the value 'Submitted'.