

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 2.1

May 21, 2024

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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.

What's New in FEMS 2.1

Groups:

- Ability to add and edit Sample Groups.

Sites:

- Ability to add and edit Sample Sites.
- Ability to change the status of Sample Sites (Active/Inactive).

Access

The Field Sample Database is accessed through FEMS.

FEMS is an open system available for public viewing.

[FEMS 1.0 \(usda.gov\)](https://fems.ars.usda.gov/)

An initial Fire Environment Mapping System (FEMS) account, you will only have general user access. This will allow access to view fuel moistures through the “Tables” tab.

IMPORTANT: Assigned higher roles are needed to enter fuel sample data and those roles can be granted through your Area Editor or Group Editor, once initial training is completed.

Area editor leads will be responsible for training local Group Editors and Sample Site Collectors.

As training is completed, Field Sample Collectors may be granted roles through the geographic area lead in FEMS to allow them to enter data.

When sufficient training has been completed, role requests will be managed through iNAP.

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

Requesting Access – This Feature is not available at this time.

Role Access is requested through iNAP.

Request application access and roles

ⓘ Requesting application access will result in a request to INAP.

Application access	Instance
FEMS-Fire Environment Mapping System	TEST

Request application roles for FEMS - TEST

- ☐ FEMS Admin
- ☐ FEMS Tester
- ☐ Field Sample AREA Editor
- ☐ Field Sample Collector
- ☐ Field Sample GROUP Editor
- ☐ Fire Danger Editor
- ☒ General User (default)

Enter the contact who can validate your need to access this application.

- You CAN NOT validate yourself.
- Agency employees: enter manager or supervisor.
- Contractors: enter your government contracting office personnel.

☐ Use existing contact

Contact's first name

Contact's last name

Job title

Phone number

Ext (optional)

E-Mail

Save **Cancel**

Roles and Definitions

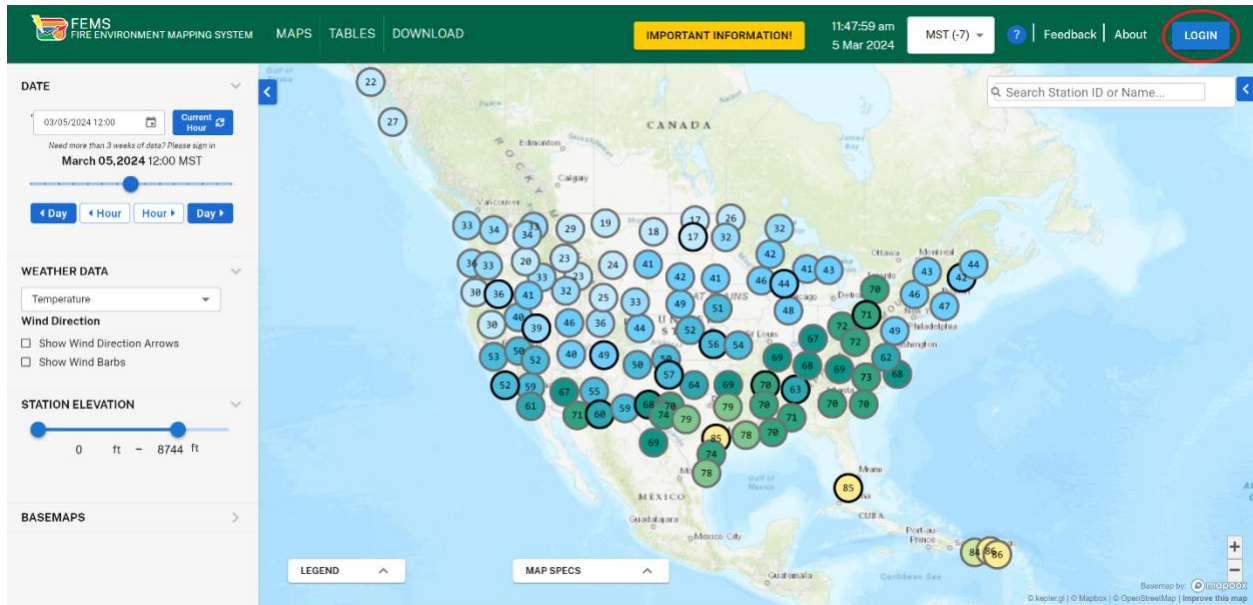
- Field Sample Collector
 - Enters and edits Fuel Moistures
- Field Sample Group Editor
 - Can enter and edit Fuel Moistures
 - Creates and edits Field Sample Sites
 - Creates and edits Field Sample Groups
- Field Sample Area Editor
 - Can enter and edit Fuel Moistures and Sample Sites
 - Created and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

Request access for the role that fits your needs.

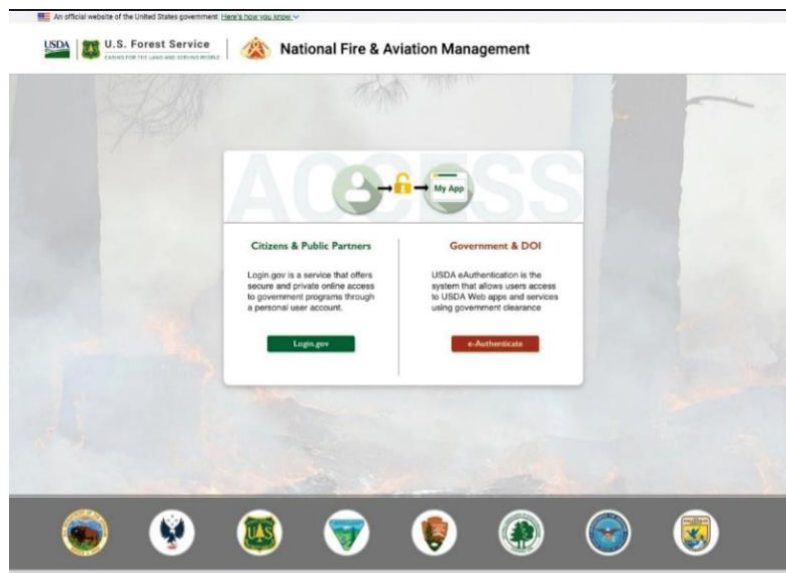
You will be required to list a contact. You cannot list yourself.

Home Screen

Click on the “LOGIN” button.



A popup box will appear:



There are two paths of authentication: e-Authentication (eAuth) and Login.gov.

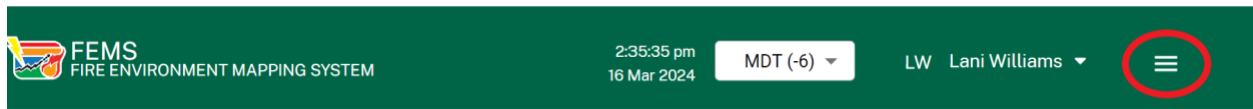
Once authenticated, there are two (2) possible banner views, dependent upon screen size:

Tabs across the top:

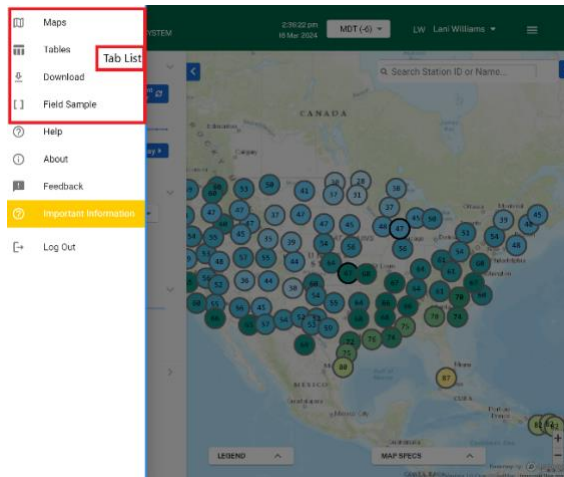


If the user is working on a narrow screen, the tabs will be found in a dropdown.

1. Click on the icon in the far left to display the dropdown:



2. A list of tabs will be displayed:



Click on the “Field Sample” tab:

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

Ability to edit Areas and Groups and add Sites is currently available.

Field Samples

Area

Group Status

Groups

All
All
All

[ADD AN AREA](#)
[ADD A GROUP](#)
[ADD A SITE](#)

	GROUP NAME		GROUP EDITOR(S)	AREA NAME ↑		AREA EDITOR(S)	GROUP STATUS
>	INTERAGENCY		Eric Miller, Jen...	Alaska		Eric Miller	Active
>	ACADIA NP		Bryan Daigle, Tony...	Eastern Area		Stephen Marien	Active
>	CHEQUAMEGON-NICOLET NF		Michael Mattmiller, Steven...	Eastern Area		Stephen Marien	Active
>	HIAWATHA NF		Nick Mouthaan, Jennifer...	Eastern Area		Stephen Marien	Active
>	HOOSIER NF		Jeremy Kolaks, Logan...	Eastern Area		Stephen Marien	Active


Program Administration

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:

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


FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

[MAPS](#)
[TABLES](#)
[DOWNLOAD](#)
[FIELD SA](#)

IMPORTANT INFORMATION!

1:10:54 pm
4 Mar 2024

MST (-7)

? Feedback About

LW Lani Williams

Field Samples

Area

Group Status

Groups

All
All
All

[ADD AN AREA](#)
[ADD A GROUP](#)
[ADD A SITE](#)

	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

3. A popup box will appear.

Add a Group

Group Name *

Area Name *

Primary Contact

Contact Name *
 [Create New Contact](#)

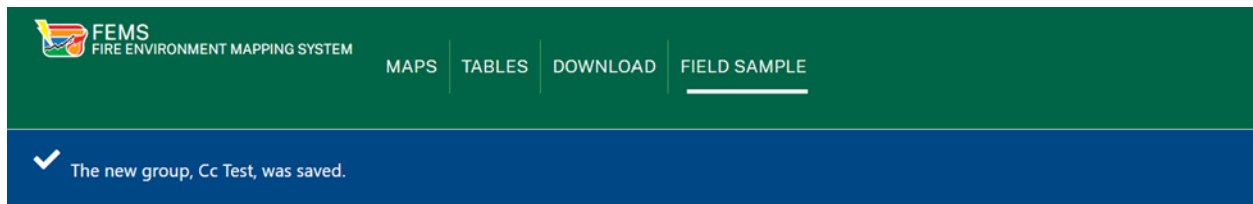
Contact Phone
 Ext.

Contact Email

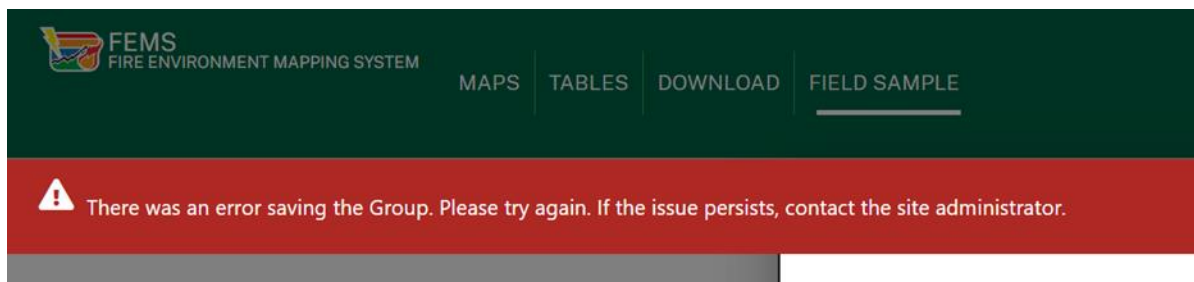
Position Title

[Cancel](#) [Add](#)

4. Complete the required fields.
 - a) Select “Area Name” from the dropdown list.
 - b) More than one contact may be listed.
5. When all information has been entered, click on the Add button.
6. A banner will appear at the top to indicate that a Group has been created.



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



To Edit a Field Sample Group:

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

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

IMPORTANT INFORMATION! 1:31:46 pm 4 Mar 2024 MST (7) Feedback About

Field Samples

Search All Sites...

Area: All Group Status: All Groups: All

ADD AN AREA ADD A GROUP ADD A SITE

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
> NJ-FWS	Eastern Area	Stephen Marien	Active

2. A popup box will appear.

Edit Group

Group Name *

Acadia NP

Area Name *

Eastern Area

Primary Contact

Contact Name *

Stephen Marien

Create New Contact

Contact Phone

651-293-8446

Ext.

Contact Email

Stephen_Marien@nps.gov

Position Title

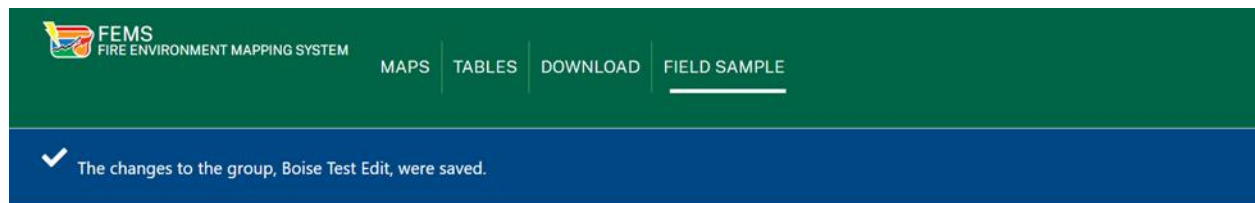
Position Title

+ Add Contact

Cancel Save

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

- 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 created.



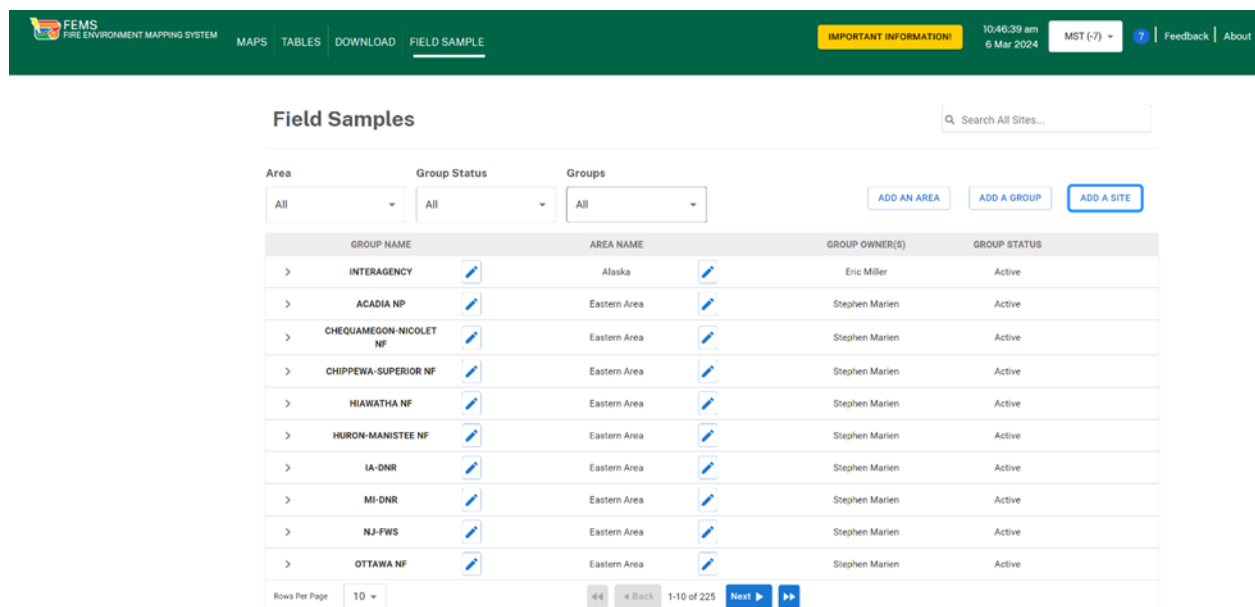
Field Sample Group Editor

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.



- A popup box will appear.

Add a Site


Site Name*

Latitude* **Longitude***

Elevation*

Remarks

Site Start Date*



Agency Landowner*

Group Name*

4. Fill in the required information.
 - a) Remarks should pertain to the site. **Remarks related to the sample will be available in a future release.**
 - b) Agency Landowner – Select from a dropdown – searchable field.
 - c) Group Name – Select from a dropdown – searchable field.
 - d) Area Name – Select from a dropdown – searchable field.
 - e) Status – Select from a dropdown.
 - f) State - Select from a dropdown – searchable field.
5. Be sure to scroll down for additional fields.

Add a Site

Remarks

Enter Remarks

Site Start Date*

Site Start Date

Agency Landowner*

Enter Agency Landowner

Group Name*

Search Group

Area Name*

Search Area

Status*

Active

State *

Search States

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:

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

FEMS

FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

IMPORTANT INFORMATION

10:59:27 am
6 Mar 2024

MDT (7)

Feedback About

Field Samples

Area

Group Status

Groups

Eastern Great Ba...

All

All

ADD AN AREA

ADD A GROUP

ADD A SITE

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	42.4411111111111105, 115.88333333333336	5000		Inactive	BLM
Hammitt	42.967222222222226, 115.43066666666667	2706		Inactive	BLM
Kuna	43.442222222222222, 116.41927777777778	3060		Inactive	BLM
Simco	43.080333333333334, 115.96638888888889	3000	This site is...	Inactive	BLM
Triangle	42.895, 116.43766666666666	5186		Inactive	BLM
Wild West	43.870555555555555, 116.7775	2993		Inactive	BLM
> BOISE NF	Eastern Great Basin	Shelby Law	Active		
> BRIDGER-TETON NF	Eastern Great Basin	Shelby Law	Active		

2. A popup will appear.

The screenshot shows a web form titled "Edit Site". The form contains the following fields:

- Site Name***: A text input field containing "Wild West".
- Latitude***: A text input field containing "43.8705".
- Longitude***: A text input field containing "-116.7775".
- Elevation***: A text input field containing "2593".
- Remarks**: A text input field with the placeholder text "Enter Remarks".
- Site Start Date***: A date picker field showing "12/31/2005".
- Agency Landowner***: A text input field containing "BLM".
- Group Name***: A text input field with a search icon and the text "Boise FO".

At the bottom right of the form, there are two buttons: "Cancel" and "Save".

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) Agency Landowner – Select from a dropdown – searchable field.
 - c) Group Name – Select from a dropdown – searchable field.
 - d) Area Name – Select from a dropdown – searchable field.
 - e) Status – Select from a dropdown.
 - f) State - Select from a dropdown – searchable field.
4. Be sure to scroll down for additional fields.

Edit Site

Remarks

Site Start Date*

Agency Landowner*

Group Name*


Area Name*

Status*

State *

Cancel Save

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


FEMS
 FIRE ENVIRONMENT MAPPING SYSTEM

[MAPS](#)
[TABLES](#)
[DOWNLOAD](#)
[FIELD SAMPLE](#)

✓ Site "Wild West" changes were successfully saved to group Boise Fo

Edit from Site Metadata:

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

Field Samples

Search All Sites...

Area

Group Status

Groups

Eastern Great Ba...

All

All

ADD AN AREA

ADD A GROUP

ADD A SITE

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																																										
<table><tr><th>SITE NAME</th><th>LAT/LON</th><th>ELEVATION</th><th>REMARKS</th><th>STATUS</th><th>AGENCY LANDOWNER</th></tr><tr><td>Blackstone</td><td>42.4411111111111105, 115.88555555555556</td><td>5000</td><td></td><td>Inactive</td><td>BLM</td></tr><tr><td>Hammett</td><td>42.967222222222226, 115.45694444444445</td><td>2706</td><td></td><td>Inactive</td><td>BLM</td></tr><tr><td>Kuna</td><td>43.442222222222222, 116.43527777777778</td><td>3060</td><td></td><td>Inactive</td><td>BLM</td></tr><tr><td>Simco</td><td>43.088333333333334, 115.96638888888889</td><td>3000</td><td>This site is...</td><td>Inactive</td><td>BLM</td></tr><tr><td>Triangle</td><td>42.805, 116.63166666666666</td><td>5186</td><td></td><td>Inactive</td><td>BLM</td></tr><tr><td>Wild West</td><td>43.870555555555555, 116.7775</td><td>2593</td><td></td><td>Inactive</td><td>BLM</td></tr></table>				SITE NAME	LAT/LON	ELEVATION	REMARKS	STATUS	AGENCY LANDOWNER	Blackstone	42.4411111111111105, 115.88555555555556	5000		Inactive	BLM	Hammett	42.967222222222226, 115.45694444444445	2706		Inactive	BLM	Kuna	43.442222222222222, 116.43527777777778	3060		Inactive	BLM	Simco	43.088333333333334, 115.96638888888889	3000	This site is...	Inactive	BLM	Triangle	42.805, 116.63166666666666	5186		Inactive	BLM	Wild West	43.870555555555555, 116.7775	2593		Inactive	BLM
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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																																										

- The Site information will display.
- Click on “Site Metadata”.

[Field Sample Home](#) > Kuna

Kuna

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

Clear Filters

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> Sagebrush, Wyoming Big	Tree		Not Specified

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

Kuna

SITE METADATA

LATITUDE	LONGITUDE	ELEVATION	AGENCY LANDOWNER		REMARKS	
43.4422	-116.4353	3060 ft	BLM - Bureau of Land Management			
CREATED DATE	AREA NAME	GROUP NAME	STATE	STATUS	ASPECT	SLOPE
2006-01-01	Great Basin	Boise FO	Idaho	Active		

05/17/2023

05/17/2024

All

All

All

All

All

×

Clear Filters

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> Sagebrush, Wyoming Big	Tree		Not Specified

6. The popup to edit site information will appear.

Edit Site

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

Cancel

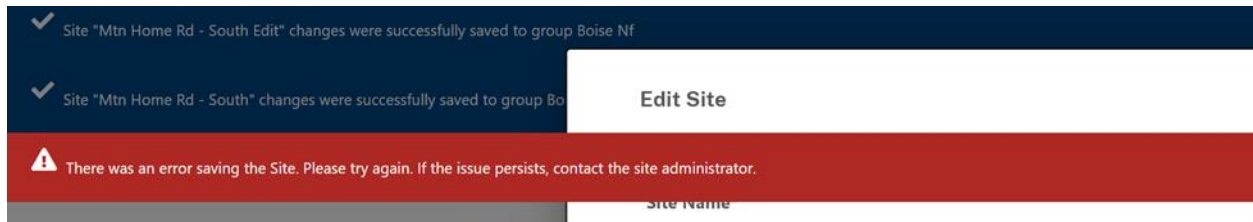
Save

7. After making the desired edits, click “Save”.

- Remarks should pertain to the site. **Remarks related to the sample will be available in a future release.**
- Agency Landowner – Select from a dropdown – searchable field.
- Group Name – Select from a dropdown – searchable field.
- Area Name – Select from a dropdown – searchable field.
- Status – Select from a dropdown.

- f) 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



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 Proceed to the Field Sample tab.
2. To edit access Field Sample Site, select the “**carrot**” to the left of the Field Sample Group name.

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

SITE NAME	LAT/LON	ELEVATION	REMARKS	STATUS	AGENCY LANDOWNER
Hog Creek	47.8011, 90.9536	1819	This site is...	Active	USFS
Koski	47.8019, 90.8674	1633	Due to poor...	Active	USDA Forest Service, Superior NF
Mid-Gunflint Trail	48.0436, 90.4563	1890	Fuel samples taken...	Inactive	USFS
Trappers	47.6216, 91.3347	1940	Samples taken off...	Inactive	USFS

3. A dropdown of Field Sample Sites will appear.
4. Click on the name of the Field Sample Site to edit.
5. A new screen will appear.

The screenshot shows the FEMS Fire Environment Mapping System interface. The top navigation bar includes links for MAPS, TABLES, DOWNLOAD, and FIELD SAMPLE. The main content area displays the site name 'Mountain Home - Grouse Creek' and a dropdown menu for 'SITE METADATA', which is circled in red. Below this, there are filters for Sample Start Date, Sample End Date, Sample Type, Status, Category, Sub-Category, and Method. A table lists sample data with columns for TYPE, CATEGORY, SUB-CATEGORY, and METHOD.

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> 1000-Hour	Dead		Not Specified
> 100-Hour	Dead		Not Specified
> 10-Hour	Dead		Not Specified
> Ceanothus, Redstem	Shrub		Not Specified

6. Click on the carrot to see the Site Metadata.

The screenshot shows the FEMS Fire Environment Mapping System interface with the 'SITE METADATA' dropdown expanded. The dropdown menu lists various metadata fields including LATITUDE, LONGITUDE, ELEVATION, AGENCY LANDOWNER, REMARKS, CREATED DATE, AREA NAME, GROUP NAME, STATE, STATUS, ASPECT, and SLOPE. The 'Edit Site' button is also visible. Below the dropdown, there are filters for Sample Start Date, Sample End Date, Sample Type, Status, Category, Sub-Category, and Method. A table lists sample data with columns for TYPE, CATEGORY, SUB-CATEGORY, and METHOD.

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> 1000-Hour	Dead		Not Specified
> 100-Hour	Dead		Not Specified

Adding Fuel Moistures for Fuel Types being Monitored:

1. Select a Sample Start Date that will include Field Sample data.
2. Fuel moistures may also be filtered by: Sample Type, Status, Category, Sub-Category (New Field) Method.

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

IMPORTANT INFORMATION! 0:01:21 pm 6 Mar 2024 MST (-7) Feedback About LW Lani Williams

Field Sample Home > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek SITE METADATA

Search All Sites...

Sample Start Date: 02/05/2023 Sample End Date: 03/06/2024

Sample Type: All Status: All Category: All Sub-Category: All Method: All

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
> 1000-Hour	Dead	Not Specified	+
> 100-Hour	Dead	Not Specified	+
> 10-Hour	Dead	Not Specified	+
> Ceanothus, Redstem	Shrub	Not Specified	+
> Douglas-Fir	Tree	Not Specified	+

3. A table will populate.
4. Click on the “+” icon to add additional fuel moistures.
5. A popup will appear preloaded to the selected sample type.

New Sample

Type *

1000-Hour

Category *

Dead

Sub-Category

Select Sub-Category

Sample Date & Time *

Select Date & Time

Method

Not Specified

Cancel New Sample

6. Enter the Sample Date & Time and click on the “New Sample” button.
7. A table will open.
8. Click on “Add Sub-Sample”.

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

IMPORTANT INFORMATION! 0:18:49 pm 6 Mar 2024 MST (-7) Feedback About LW Lani Williams

Field Sample Home > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek SITE METADATA

Search All Sites...

Sample Start Date: 02/05/2024 Sample End Date: 02/06/2024 Sample Type: 1000-Hour Status: Draft Category: Dead Sub-Category: Not Specified Method: Not Specified

Clear Filters + New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
1000-Hour	Dead		Not Specified

DATE	TIME	SAMPLE AVG VALUE	STATUS
02/06/2024	16:00 MST	0 %	Draft

Submit

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
			+ Add Sub Sample	

Rows Per Page: All 1-1 of 1

9. 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.
- 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 icon for editing.

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

IMPORTANT INFORMATION! 0:00:07 pm 27 Mar 2024 MDT (-6) Feedback About LW Lani Williams

Field Sample Home > Koski

Koski SITE METADATA

Search All Sites...

Sample Start Date: 03/21/2024 Sample End Date: 03/22/2024 Sample Type: 10-Hour Status: All Category: Dead Sub-Category: Not Specified Method: Not Specified

Clear Filters + New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
10-Hour	Dead		

DATE	TIME	SAMPLE AVG VALUE	STATUS
03/22/2024	00:00 MDT	0.00 %	Draft

Submit

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
Input Weight	Input Weight	Input Weight	8	Draft

Rows Per Page: All 1-1 of 1

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

FEMS FIRE ENVIRONMENT MAPPING SYSTEM | MAPS | TABLES | DOWNLOAD | FIELD SAMPLE | IMPORTANT INFORMATION! | 0:22:00 pm 6 Mar 2024 | MST (-7) | Feedback | About | LW | Lani Williams

Field Sample Home > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek

SITE METADATA >

Sample Start Date: 02/05/2024 | Sample End Date: 02/06/2024 | Sample Type: 1000-Hour | Status: Draft | Category: Dead | Sub-Category: | Method: Not Specified

[Clear Filters](#) [+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD
1000-Hour	Dead		Not Specified

DATE	TIME	SAMPLE AVG VALUE	STATUS
02/06/2024	16:00 MST	0 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
<input type="text" value="Input Weight"/>	<input type="text" value="Input Weight"/>	<input type="text" value="Input Weight"/>	<input type="text" value="Input Weight"/>	Draft

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

- i. The entry being worked on must be saved for the “+Add Sub-Sample” link to reappear.

FEMS FIRE ENVIRONMENT MAPPING SYSTEM | MAPS | TABLES | DOWNLOAD | FIELD SAMPLE | IMPORTANT INFORMATION! | 0:02:42 pm 27 Mar 2024 | MDT (-6) | Feedback | About | LW | Lani Williams

Field Sample Home > Koski

Koski

SITE METADATA >

Sample Start Date: 03/21/2024 | Sample End Date: 03/22/2024 | Sample Type: 10-Hour | Status: All | Category: Dead | Sub-Category: | Method:

[Clear Filters](#) [+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD
10-Hour	Dead		

DATE	TIME	SAMPLE AVG VALUE	STATUS
03/22/2024	00:00 MDT	0.00 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
				Draft

[+ Add Sub Sample](#)

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

Adding Fuel Moistures for a new Fuel Type:

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

FEMS

FIRE ENVIRONMENT MAPPING SYSTEM

[MAPS](#)
[TABLES](#)
[DOWNLOAD](#)
[FIELD SAMPLE](#)

IMPORTANT INFORMATION!

5:02:39 pm

8 Mar 2024

MST (-7)

Feedback

About

LW Lani Williams

[Field Sample Home](#) > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek

SITE METADATA

Sample Start Date

02/07/2023

Sample End Date

03/08/2024

Sample Type

All

Status

All

Category

All

Sub-Category

All

Method

All

Clear Filters

+ New Sample

	TYPE	CATEGORY	SUB-CATEGORY	METHOD
>	1000-Hour	Dead		Not Specified +
>	100-Hour	Dead		Not Specified +
>	10-Hour	Dead		Not Specified +
>	Ceanothus, Redstem	Shrub		Not Specified +
>	Douglas-Fir	Tree		Not Specified +

b. A popup will appear.

New Sample

Type *

Category *

Sub-Category

Sample Date & Time *

Method

Cancel

New Sample

c. Fill in the required items.

New Sample

Type *

Category *

Sub-Category

Sample Date & Time *

Method

Cancel

New Sample

- Click on the “New Sample” box.
- The table will appear showing the new sample type.
- Click on the “+ Add Sub-Sample”.

FEMS
 FIRE ENVIRONMENT MAPPING SYSTEM

[MAPS](#)
[TABLES](#)
[DOWNLOAD](#)
[FIELD SAMPLE](#)

IMPORTANT INFORMATION!

0:32:31 pm
 6 Mar 2024

MST (-7)

[Feedback](#)
[About](#)
[LW](#)
[Lani Williams](#)

[Field Sample Home](#) > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek

[SITE METADATA](#)

Sample Start Date

02/04/2024

Sample End Date

02/05/2024

Sample Type

Aspen, Quaking

Status

Draft

Category

Tree

Sub-Category

Method

[Clear Filters](#)
[+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD
Aspen, Quaking	Tree		

DATE

02/05/2024

TIME

15:00 MST

SAMPLE AVG VALUE

0 %

STATUS

Draft

Submit

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS

[+ Add Sub Sample](#)

Rows Per Page

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1-1 of 1

- The table will expand to enter the new sample data.

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Field Sample Home > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek SITE METADATA

Search All Sites...

Sample Start Date: 02/04/2024 Sample End Date: 02/05/2024 Sample Type: Aspen, Quaking Status: Draft Category: Tree Sub-Category: Method:

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
Aspen, Quaking	Tree		

DATE	TIME	SAMPLE AVG VALUE	STATUS
02/05/2024	15:00 MST	0 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
Input Weight	Input Weight	Input Weight	Input Weight	Draft

Rows Per Page: All 1-1 of 1

- h. Enter the sample data.
 - a. Enter weights or value, you cannot enter both.
 - b. Weights are limited to two (2) decimal places.
 - i. The Sample Average Value will be rounded where necessary.
 - 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 icon for editing.

FEMS FIRE ENVIRONMENT MAPPING SYSTEM MAPS TABLES DOWNLOAD FIELD SAMPLE IMPORTANT INFORMATION! 0:00:07 pm 27 Mar 2024 MDT (-6) Feedback About LW Lani Williams

Field Sample Home > Koski

Koski SITE METADATA

Search All Sites...

Sample Start Date: 03/21/2024 Sample End Date: 03/22/2024 Sample Type: 10-Hour Status: All Category: Dead Sub-Category: Method:

+ New Sample

TYPE	CATEGORY	SUB-CATEGORY	METHOD
10-Hour	Dead		

DATE	TIME	SAMPLE AVG VALUE	STATUS
03/22/2024	00:00 MDT	0.00 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
Input Weight	Input Weight	Input Weight	8	Draft

Rows Per Page: All 1-1 of 1

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

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS | TABLES | DOWNLOAD | FIELD SAMPLE

IMPORTANT INFORMATION! 0:22:00 pm 6 Mar 2024 MST (-7) ? Feedback About LW Lani Williams

Field Sample Home > Mountain Home - Grouse Creek

Mountain Home - Grouse Creek

SITE METADATA

Search All Sites...

Sample Start Date: 02/05/2024 Sample End Date: 02/06/2024 Sample Type: 1000-Hour Status: Draft Category: Dead Sub-Category: Not Specified Method: Not Specified

[Clear Filters](#) [+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD
1000-Hour	Dead		Not Specified

DATE	TIME	SAMPLE AVG VALUE	STATUS
02/06/2024	16:00 MST	0 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
Input Weight	Input Weight	Input Weight	Input Weight	Draft

Rows Per Page: All 1-1 of 1

- i. The entry being worked on must be saved for the “+Add Sub-Sample” link to reappear.

FEMS
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS | TABLES | DOWNLOAD | FIELD SAMPLE

IMPORTANT INFORMATION! 0:02:42 pm 27 Mar 2024 MDT (-6) ? Feedback About LW Lani Williams

Field Sample Home > Koski

Koski

SITE METADATA

Search All Sites...

Sample Start Date: 03/21/2024 Sample End Date: 03/22/2024 Sample Type: 10-Hour Status: All Category: Dead Sub-Category: Not Specified Method: Not Specified

[Clear Filters](#) [+ New Sample](#)

TYPE	CATEGORY	SUB-CATEGORY	METHOD
10-Hour	Dead		

DATE	TIME	SAMPLE AVG VALUE	STATUS
03/22/2024	00:00 MDT	0.00 %	Draft

WET WEIGHT(g)	DRY WEIGHT(g)	TARE WEIGHT(g)	VALUE	STATUS
				Draft

[+ Add Sub Sample](#)

Rows Per Page: All 1-1 of 1