



FIRE ENVIRONMENT MAPPING SYSTEM

FEMS 3.5 Release Notice

Date: December 11, 2025

Version: FEMS version 3.5

Description: The primary focus of the 3.5 Release is to add Catalog Management functionality for FEMS Admin users and add a limited number of Mesonet stations to FEMS. It also includes some fixes and change request items.

Maps

Weather

- A limited number of Mesonet stations are now available on the Weather map display when zoomed into level 4.
- A limited number of Mesonet stations are now available in the Search Station field on the Weather map.
- You can now filter the icons on the Weather map based on whether historic data is available for a station.
- You can now filter the icons on the Weather map based on the Network for the station - RAWS, ASOS, or Mesonet.

Fire Danger

- A limited number of Mesonet stations are now available on the Fire Danger map and display when zoomed into level 4.
- A limited number of Mesonet stations are now available in the Search Station field on the Fire Danger map.
- You can now filter the icons on the Fire Danger map based on whether historic data is available for a station.
- You can now filter the icons on the Fire Danger map based on the Network for the station - RAWS, ASOS, or Mesonet.

Tables

Stations

- A limited number of Mesonet stations are now included in the Stations table. Click a Mesonet station to view detailed data for that station (i.e., Fire Danger, Station Metadata, Catalogs, and Seasonal Trend Charts).

NFDRS Catalogs

- FEMS Admin users can now add, edit, and delete Dead Fuel Catalogs.
- FEMS Admin users can now add, edit, and delete Drought Catalogs.
- FEMS Admin users can now add, edit, and delete Live Fuel Catalogs.
- FEMS Admin users can now add, edit, and delete Fuel Model Catalogs.
- FEMS Admin users can manage stations assigned to existing Fuel Model catalogs.

Downloads

- A limited number of Mesonet stations are now available when downloading Weather or Fire Danger data.
- When downloading Daily Weather or Fire Danger Forecast data, the system will prevent the user from selecting a date range that does not have forecast data.

Field Samples

- When adding a new site, the system will no longer allow you to enter a duplicate site name for the selected group.

FEMS 3.5 may be accessed by both public (unauthenticated user) and government wildland fire personnel (authenticated users) alike.

Unauthenticated users can access FEMS without a login and access the full fuel moisture dataset. Authenticated users can access, enter, and edit data, and will be able to edit Group or Site information, according to their FEMS role.

Additional information is also available on the FEMS Webpage:

<https://www.wildfire.gov/application/fems>.

The FEMS URL is <https://fems.fs2c.usda.gov/>.

FEMS 3.5 has been tested on devices with the following specifications:

Operating System:

Windows 11 Enterprise

Version 10.0.22631 Build 22631

Intel(R) Core(TM) i5-12600HX, 2500 Mhz, 12 Core(s) 16 Logical Precision

64-bit operating system, x64-based processor

Browser specifications:

Chrome: Version 133.0.6943.127 (Official Build) (64-bit)

Microsoft Edge: Version 133.0.3065.69(Official build) (64-bit)