



FIRE ENVIRONMENT MAPPING SYSTEM

FEMS Hot Fix 3.7.1 Release Notice

Date: August 11, 2026
Version: FEMS Hot Fix version 3.7.1

Description: A hot fix was deployed to address several issues, including the snow flag gap-fill process, precipitation gap-fill issues, NFDRS Download fuel model limitations, and security vulnerability fixes.

Downloads

Fire Danger

- Updates were made to the Fire Danger Download area, so users can download multiple fuel models for 20 or less stations without going through the Queued Download. This allows users who are using the URL from the Copy Data link to include multiple fuel models in the data.

Data

Weather

- When gap fills occurred for missing observation data, the precipitation data was not always calculated correctly. This issue was fixed, so the precipitation data is now correct from 11/01/2025 – the current date.
- When gap fills occurred for missing snow flag data, the data was, in some instances, displaying 1 or 0 rather than a Y or N. This issue was fixed, so the data will display on the Map and Tables as Y or N.

Security Fixes

The following security issues were addressed:

- The Transportation Security Protocol (TLS) was updated from 1.1 to 1.3
- Addressed Medium Weak Ciphers
- Addressed Low Misconfigured Access-Control-Allow-Origin Header
- Addressed Low Missing X-Content-Type-Options Header
- Addressed Low Version Disclosure (Nginx).

FEMS 3.7.1 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.

The FEMS business leads will be contacting the former Geographic Area NFMD leads to review permissions and assign roles in FEMS. Training for Area, Group, and Site roles is in development.

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 3.7.1 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)