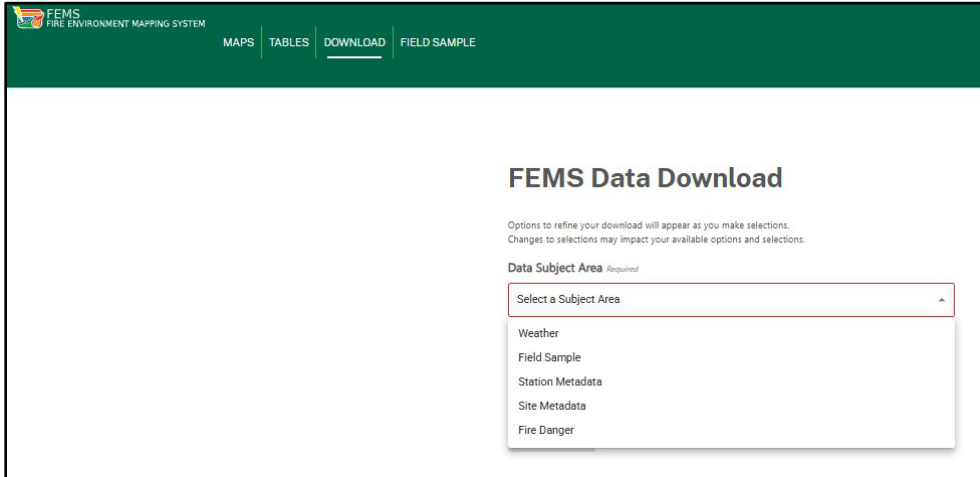


## How to use the Copy Data Link download in FEMS

The copy data link (CDL) on the download page in FEMS was developed to replace and enhance the WXML service WIMS provided. The CDL enables users to set specific weather, fire danger or field sample parameters that are used on a regular basis and download directly into MS Excel, PowerBI or other application without having to visit the FEMS website each time updated data is needed. This will allow users to regularly update spreadsheets. This feature allows users to get single or multiple stations for time periods based on user selected dates as long as they fit within system limitations. Additionally, users can adjust the data string in the application they are working on to get new datasets without having to go to FEMS to update the download.

1. To access the CDL go to the FEMS website download page:  
<https://fems.fs2c.usda.gov/download>
2. In the **Data Subject Area**- choose either Weather, Field Sample, Station Metadata, Site Metadata or Fire Danger. Most user will want either Weather or Fire Danger.



The screenshot shows the FEMS Data Download page. At the top, there is a green navigation bar with the FEMS logo and the text "FEMS FIRE ENVIRONMENT MAPPING SYSTEM". Below the logo, there are four tabs: "MAPS", "TABLES", "DOWNLOAD", and "FIELD SAMPLE". The "DOWNLOAD" tab is currently selected. The main content area has a white background with the title "FEMS Data Download" in bold. Below the title, there is a small text block that reads: "Options to refine your download will appear as you make selections. Changes to selections may impact your available options and selections." Below this, there is a label "Data Subject Area" followed by a red asterisk indicating it is required. Underneath the label is a dropdown menu with the placeholder text "Select a Subject Area". The dropdown menu is open, showing five options: "Weather", "Field Sample", "Station Metadata", "Site Metadata", and "Fire Danger".

3. Select the **Data Set** you are interested to have. Options for this depend on the Data Subject Area, but Weather and Fire Danger will include observation, forecast, or observation and appended forecast.

Note: when observation and appended forecast is chosen the user will receive the past observations and the current forecast.

FEMS  
FIRE ENVIRONMENT MAPPING SYSTEM

MAPS TABLES DOWNLOAD FIELD SAMPLE

## FEMS Data Download

Options to refine your download will appear as you make selections.  
Changes to selections may impact your available options and selections.

**Data Subject Area** Required

Weather

**Data Set** Required

Select a Data Set

- Weather Observation
- Weather Forecast
- Weather Observation and Appended Forecast

**Data Format** Required

4. Choose the **date and time frequency** either daily or hourly. Hourly data will give you every hour of every day for the period of time you choose except if there is missing data. Daily will provide the once daily Minimum and/or Maximum value from midnight to midnight local station time.

**Date Time Frequency** Required

☒ Daily

☐ Hourly

(Daily) Maximum/Minimum data will be downloaded from midnight to midnight local station time.

5. Select the **Data Format**, either FW21 or CSV. FW21 are only available if weather is chosen in the Data Subject Area. If FW21 is selected, then weather data will be downloaded at Local Standard Time. If CSV is selected, then time will be downloaded at UTC.

**Data Format** Required

Select a Data Format


- FW21 (LST - Local Standard Time)
- CSV (UTC)

6. Select the **Date Range** with a start and end date. This date range is based on the time selected in the data format. The date range is restricted to less than 3 weeks if users are not logged in. For user that are logged in, data is available back to January 1<sup>st</sup>, 2005 for or when the station was established, whichever is newer.

**Date Range** Required


Start Date

03/18/2025





End Date


04/08/2025




7. If desired choose the Start Hour and End Hour. This field is not required. **It is important to note that this is tied to the data format which determines if data will be in Local Time or in UTC.**

Start Hour 

End Hour 

00:00 

23:00 

*Forecast data may be incomplete on day seven*

8. Use of the **Previous 5 Days and 7-Day Forecast** button. When a user selects this button, it will override the date range. This option will always give the most current 5/7 days and will adjust the date range based on the current date. It is useful when users want to refresh data within an application without having to login to FEMS each day. If the button is accidentally clicked, users can just click on it again to unselect it.

Previous 5 Days And 7-Day Forecast

9. Choose desired stations using the **Selected Station(s)**. This search allows users to choose stations by name, station ID or WRCC ID. Limits to number of stations is listed below the stations list. Once a station is selected it will show up at the bottom of the page under the **These are your selected stations**.

**Selected Station(s)***Required*

Search All Stations...

- Only 1 station can be selected for requests greater than one year.
- Up to 10 stations can be selected for requests between 2 weeks and one year.
- Unlimited stations can be selected for requests less than 2 weeks.

These are your selected stations.

10. Users are able to select Averaged Fire Danger Outputs when they select the Date Time Frequency of Daily. The Averaged Fire Danger Output is like the DAVG that was available in WIMS. It will average the daily fire danger outputs for all the chosen stations.

**Date Time Frequency***Required*

☒ Daily  
☐ Hourly

(Daily) Maximum/Minimum data will be downloaded from midnight to midnight local station time.

**Data Format***Required*

CSV (LST - Local Standard Time)

Time is adjusted to time zone of station but not adjusted for daylight savings.

**Date Range***Required*

Start Date: 08/21/2025  
End Date: 09/11/2025

Previous 5 Days And 7-Day Forecast

☒ Average Fire Danger Outputs

**Selected Station(s)***Required*

Search All Stations...

11. Once all parameters are selected then choose the **Copy Data Link** button. Once clicked, it will display the https:// Don't click on the blue link. The copy data link button will transfer the URL to your Windows Clipboard where you can paste it into your desired application.

**Download Data**

**Copy Data Link**