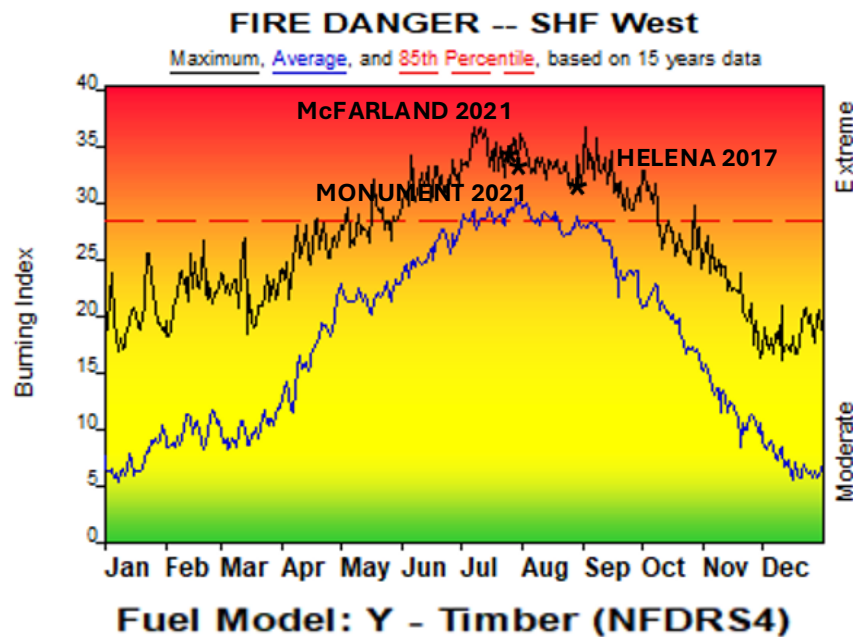
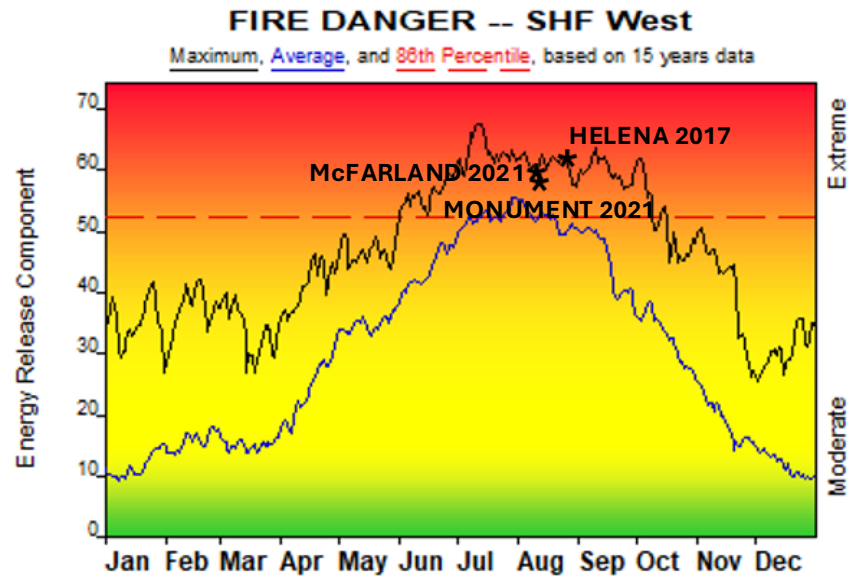




Fire Danger Rating Area 230 and 238 Fire Weather Zone CA409, CA410, CA411, CA412, CA121, CA140

All analysis used NFDRS 16 Fuel Model Y (timber litter) and data from January 1st through December 31st

- Threshold values determined using 2011-2025 data, cross walked with data from 2005-2022 gap filled data.
- NFDRS compliant RAWs: Big Bar, Backbone, Scorpion, Trinity Camp, Five Cent, Friend Mountain, Yolla Bolla and Pattymocus

Fire Danger Interpretation:

- **Extreme** - use extreme caution
- **High** - watch for change
- **Moderate** - Low potential, maintain awareness



- Maximum - Highest daily value 2011-2025
- Average - Shows daily average index values over 15 years
- 86th Percentile ERC (dashed upper left) 14% of the 5475 days had ERC above 52
- 85th Percentile BI (dashed line lower left) 15% of the 5475 days had BI over 28

Remember what fire danger tells you:

- ☐ Energy release Component (ERC) - Wind is NOT part of ERC calculation (upper left)
 - ☐ Represents overall seasonal trend - driven by heavy down and dead and live fuel moistures.
- ☐ Burning Index (BI) - Wind IS a part of BI calculation (lower left)
 - ☐ Represents day to day fluctuations - driven by dead fuel moistures and wind
- ☐ Fire danger is general - Look for variations in fuels, topography and weather
- ☐ Listen to weather forecast - especially wind!

Past Experience:

- Large fire growth may occur without significant wind where fuels and topography are in alignment.
- Local winds may not be captured by RAWs due to highly variable terrain and canyon influences. Diurnal canyon winds often dominate main stem and south fork of the Trinity River. Helena 2017 exemplifies this as a human caused start driven by canyon winds that were not captured well by the BI calculated from RAWs stations within the FDRAs
- Lighting accounts for 42% of all ignitions. Dry lightning events are a frequent driver of multi fire days and may not coincide with identified thresholds. Numerous fires may overwhelm initial attack capacity, large fire growth may occur several days to weeks after ignition.

Local Thresholds - Watch Out: Combinations of any of these factors can greatly increase fire behavior:

NFDRS	ERC >52	BI >28	
Weather	Temp >90	Min RH <18	RH Recovery <44

Responsible agency USFS Shasta-Trinity NF
Updated 4/1/2026