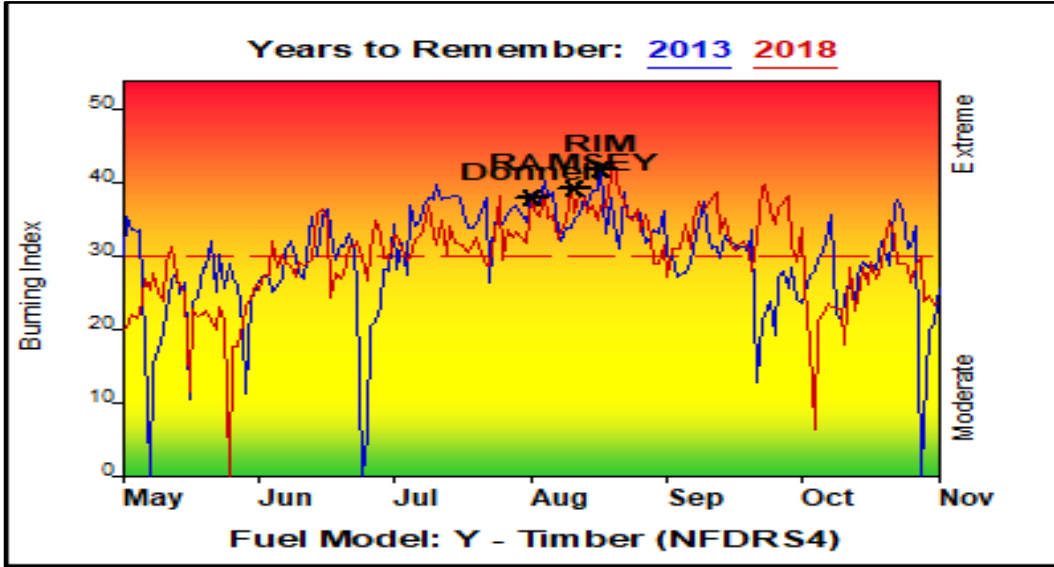


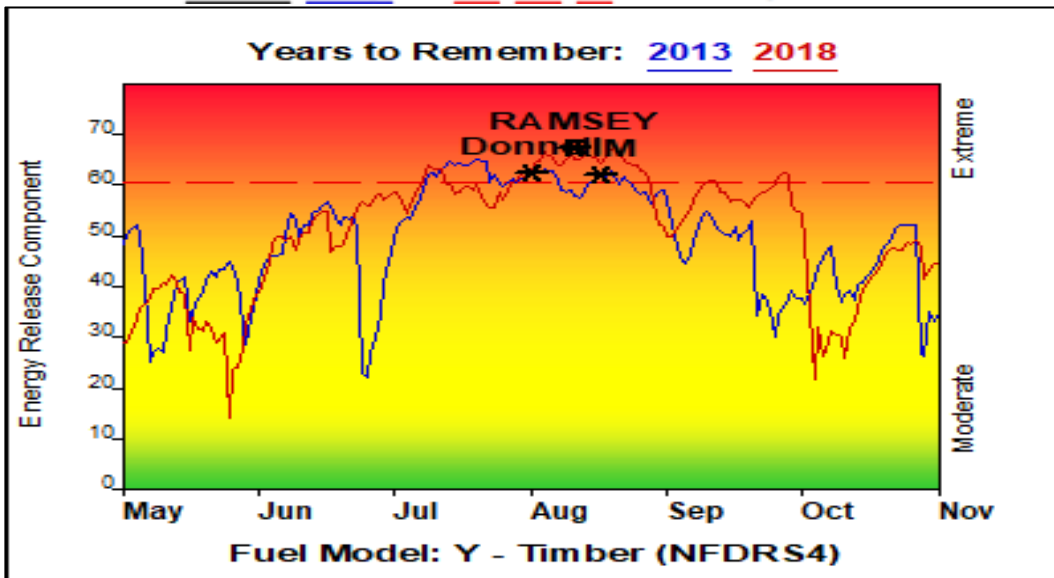
FIRE DANGER -- Low Elevation FDRA 348Y

Maximum, Average, and 50th Percentile, based on 15 years data



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Maximum, Average, and 50th Percentile, based on 15 years data



Fire Danger Rating: Low Elevation 348

Stanislaus NF ~ less than 4000 ft.

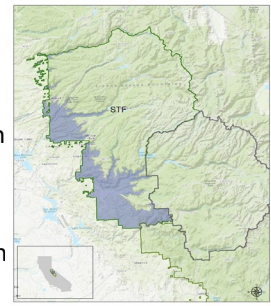
Forecast Zone: CAZ221

Weather Stations: 043605 Mt. Elizabeth
044115 Smith Peak

Stations meets NWCG Weather Station Standards

Local Thresholds – WATCHOUT:

Combinations of any of these factors can increase fire behavior: 20ft windspeed over 10 mph; temperatures over 90° F; 1000-hr fuel moisture less than 9%; or relative humidity less than 20%.



Graph Interpretation: Energy Release Component (ERC)

ERC indicates seasonal trends calculated from temperature, RH, precipitation duration, and solar radiation.

Wind is NOT part of ERC calculation.

MAX line: shows highest ERC per day from 2010 to 2025

AVG line: shows average ERC from April 1 to November 1

80th percentile ERC and 50th percentile BI are the climatological breakpoints at which only 20% of ERC values and 50% of BI values in the analysis are ranked greater in value. These thresholds increase the chance of extended attack, large fire growth (10+acres), and/or high resistance to control.

Past Experience/Local Knowledge:

2013 Rim Fire:	Large fire growth of 10,000 acres per day. Created it's own weather patterns
2012 Ramsey Fire:	Started in river canyon with limited access.
2018 Donnell Fire:	Multiple crown runs in timber causing high structure loss at high elevation.

- Expect strong diurnal shifty winds in major river drainages along with eddies formed by diverse topography.
- Expect areas that have experienced drought, bug-kill and/or fire to have heavy dead and down fuels and standing snags.

STF Dispatch broadcasts: 1045 today's predicted, 1430 today's actual, 1600 tomorrow's predicted.

Graph Interpretation: Burning Index (BI)

BI reflects day to day fluctuations calculated from temperature, RH, wind, solar radiation, & precipitation.

MAX line: shows highest BI by per day from 2010-2025

AVG line: shows average BI from April 1 to November 1