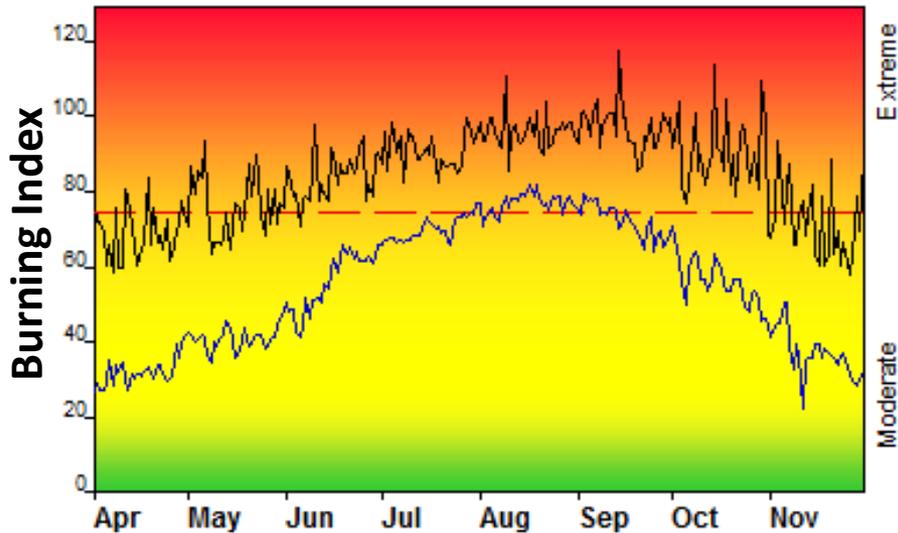


# FIRE DANGER – Stanislaus National Forest

Maximum, Average and 75<sup>th</sup> Percentile, based on 20 years data



## Fire Danger Area:

- Central Sierra Nevada Mts.
- Forecast Zones 221 & 269
- Mt Elizabeth RAWS 043605
- \*Meets NWCG Wx Station Standards



## Fire Danger Interpretation



- EXTREME** – Use extreme caution
- CAUTION** – Watch for change
- MODERATE** – Lower Potential, but remain prepared

**Maximum** – Highest Burning Index by day for 1996-2015

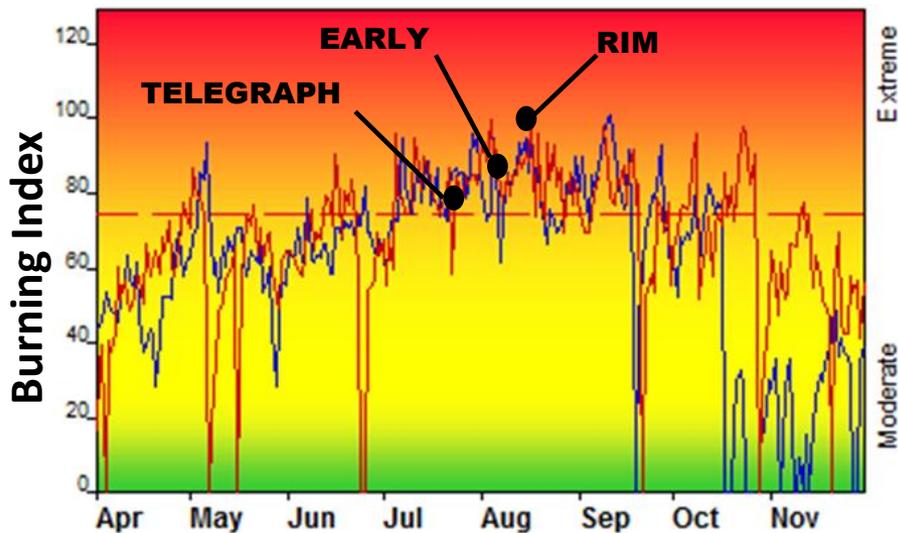
**Average** – Fire seasons for 20 years (4708 observations)

**75<sup>th</sup> Percentile** – Only 25% of the days from 1996-2015 had an BI above 74

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

- 20' Wind Speed over 7 mph,
- RH less than 20%,
- Temperature over 80°F,
- 1000-hour Fuel Moisture Content less than 9%

## Years to Remember: **2004** **2013**



## Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2pm temperature, humidity, daily temperature and RH ranges and precip duration.
- ✓ Wind is NOT part of the ERC calculation.
- ✓ Watch local conditions and variations across the landscape – Fuel, Weather and Topography.
- ✓ Listen to weather forecasts – especially the WINDS.

**Past Experience:** 70% of all fires >100acres in size have started when the ERC was >77 & BI >75.

- Telegraph: 7/25/08 - 34,091 ac, ERC 86, BI 79, 1000hr 7%, Wind 6mph
- Early: 8/9/04 – 1,750 acres, ERC 90, BI 85, 1000hr 6%, Wind 7mph
- Rim: 8/17/13 – 257,314 acres, ERC 90, BI 99, 1000hr 6%, Wind 11mph

Daily Broadcast of the Fire Weather & Fire Indices on Operations Net:

- Today's Predicted ERC & BI at 1045 hours
- Today's Actual ERC & BI at 1430 hours
- Tomorrow's Predicted ERC & BI at 1600 hours

Responsible Agency: USFS

FF+4.1 build 1622 07/22/2015 (C:\Users\slcrook\Documents\STF\WX\...\2015STFpocketcard)

Design by NWCG Fire Danger Working Team

Fuel Model: G – Short-Needle (Heavy Dead)