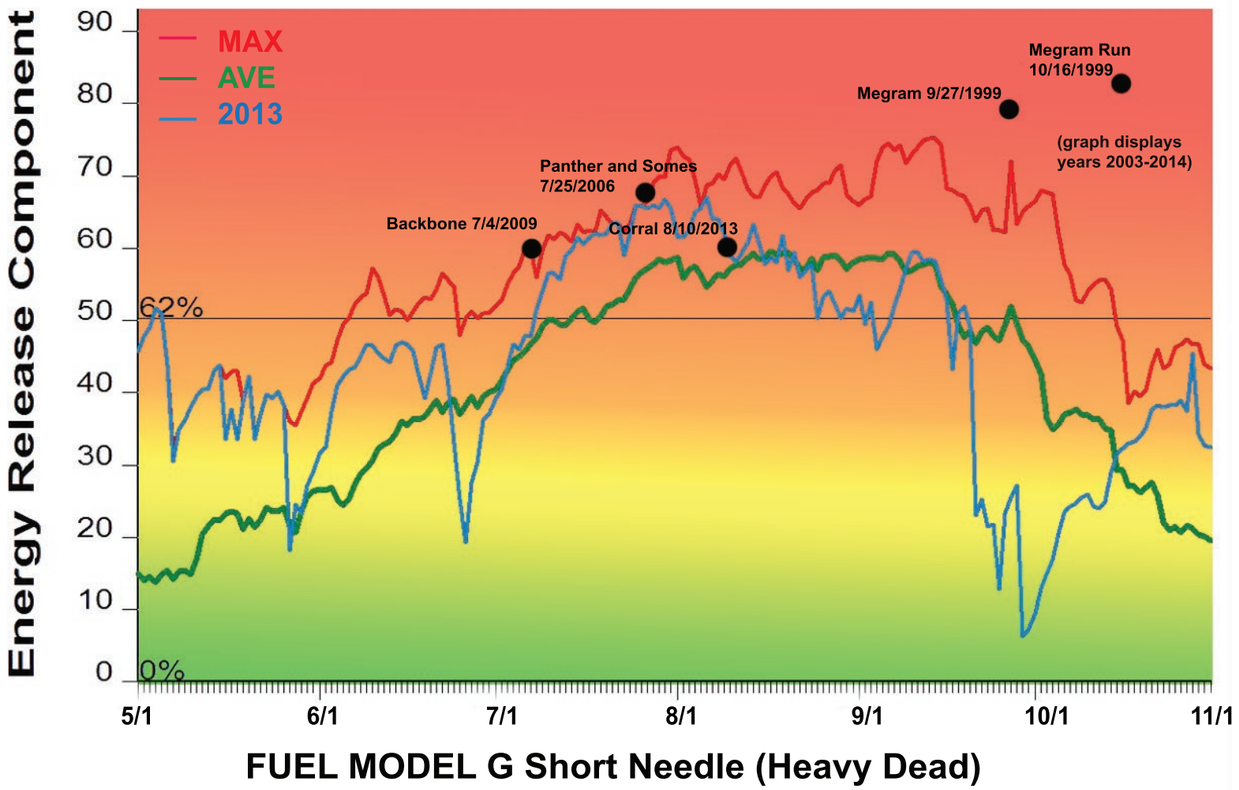
## Fire Danger Rating Area 112/113/115
## Energy Release Component

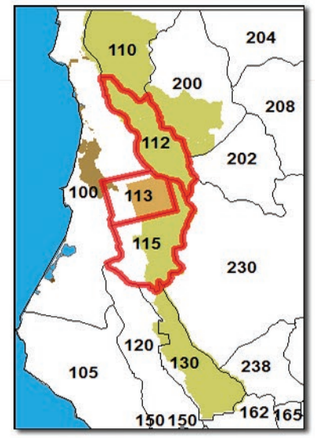



**Fire Danger Areas 112/113/115**

* 112 - Orleans RD, Six Rivers NF
* 113 - Hoopa Indian Reservation
* 115 - Lower Trinity RD, Six Rivers NF
* NW CA - Region 5

**Weather Stations Used (NWCG Standards):**

* 040404 Brush Mountain
* 040408 Hoopa
* 040519 Underwood

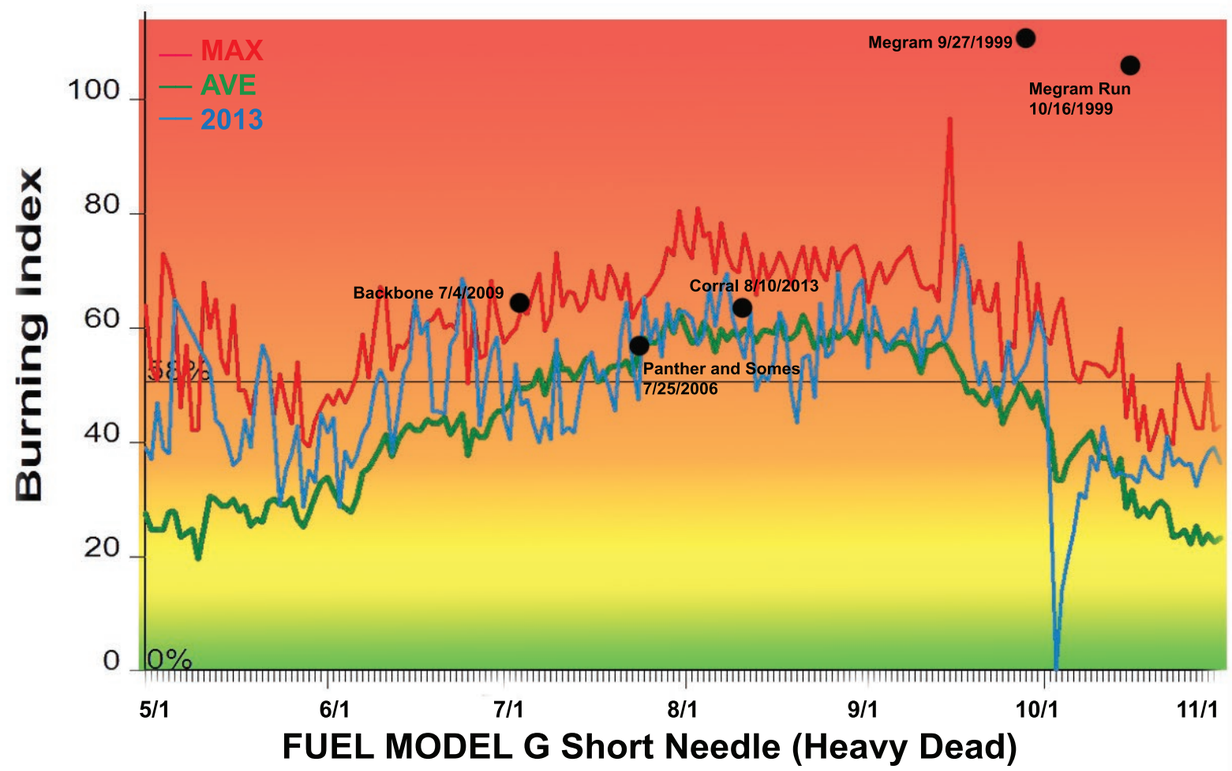



## Local Thresholds - WATCHOUT:

**Combinations of any of these factors can greatly increase fire behavior: 20' Windspeed over 7 mph; RH less than 34%; Temperature over 82; 1000-hour Fuel Moisture less than 14. Large fires become more frequent when BI exceeds 50 and when ERC exceeds 50.**

***Graph Interpretation, Energy Release Component*:**
**Maximum = Highest ERC by day for 2003-2014**
**Average = Shows Peak Fire Season**
**62% = 62nd Percentile means 38% of days studied had an ERC above 50.**

## Fire Danger Rating Area 112/113/115
## Burning Index




## PAST EXPERIENCE / LOCAL KNOWLEDGE:

**Wildfires become a problem @ 50+ acres on the Six Rivers NF due to topography, fuels, and accessibility. ('Large fires'=50 acres)**
**High severity, past burn areas with heavy snag , dead down and heavy brush lead to control problems. (Backbone and Corral were a result of this, as they both started in the 1999 Megram fire footprint)**
**•Afternoon strong up-river daily winds in the Trinity River Drainage greatly influence fire behavior.**
**• Coastal fog observed from the Trinity Valley is a good indicator of strong down Slope/canyon winds in side drainages west of the Trinity River (Sims Fire 2004, downhill run of 1000 acres was result of these winds)**
**• Klamath River Canyon has very strong up-river winds daily, from the border near Weitchpec to the confluence with the Salmon River. Expect strong winds in the afternoon until sundown. Potential thermal belt up to approx. 2000'.**
**Watch out for hazard trees while travelling through and working in burn areas.**
***Strong Northeast winds in the late fall can lead to extreme fire behavior.**

***Graph Interpretation, Burning Index:***
**Maximum = Highest BI by day for 2003-2014**
**Average = Shows Peak Fire Season**
**58% = 58th Percentile means 42% of all days studied had a BI above 50**