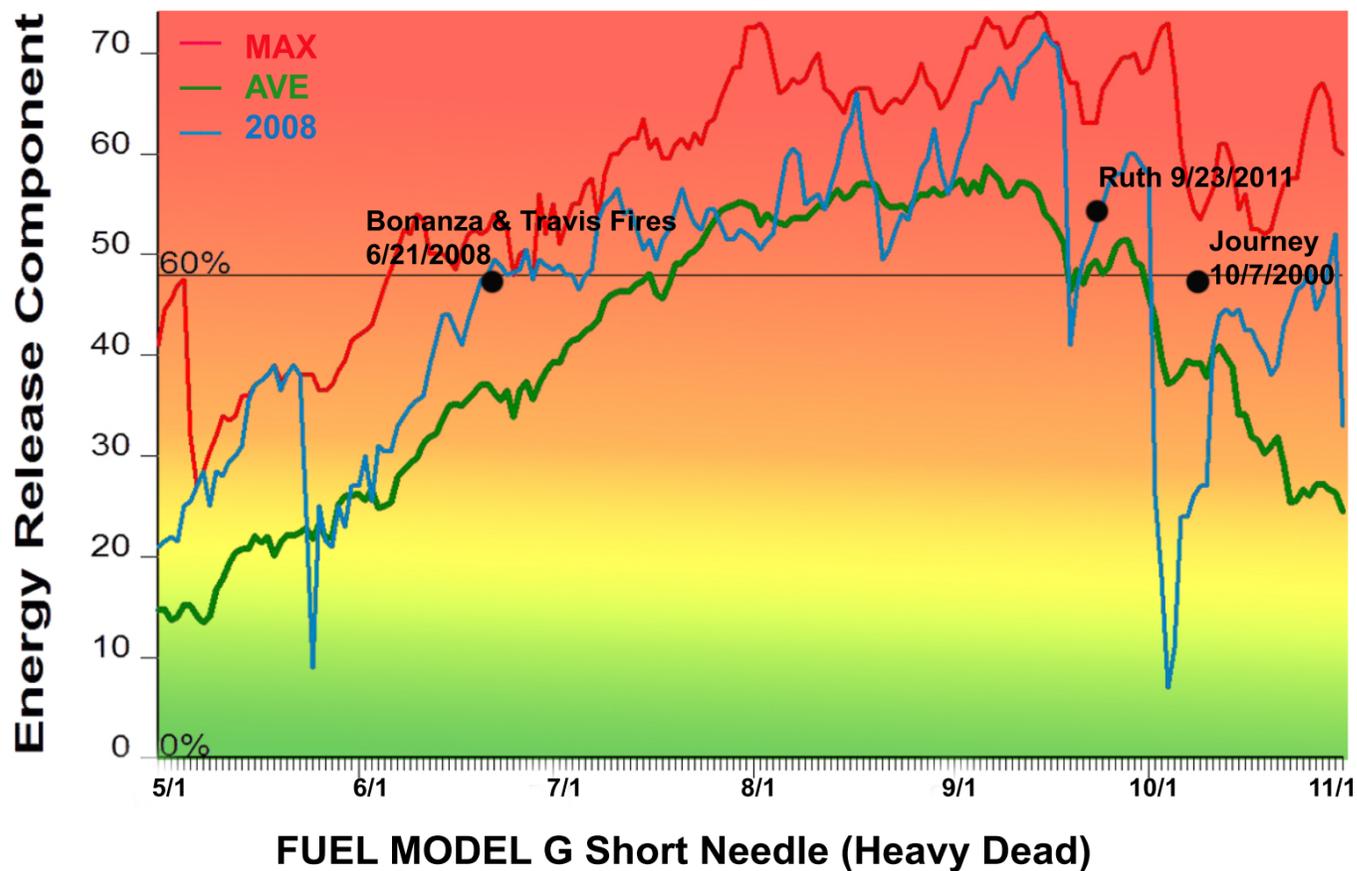
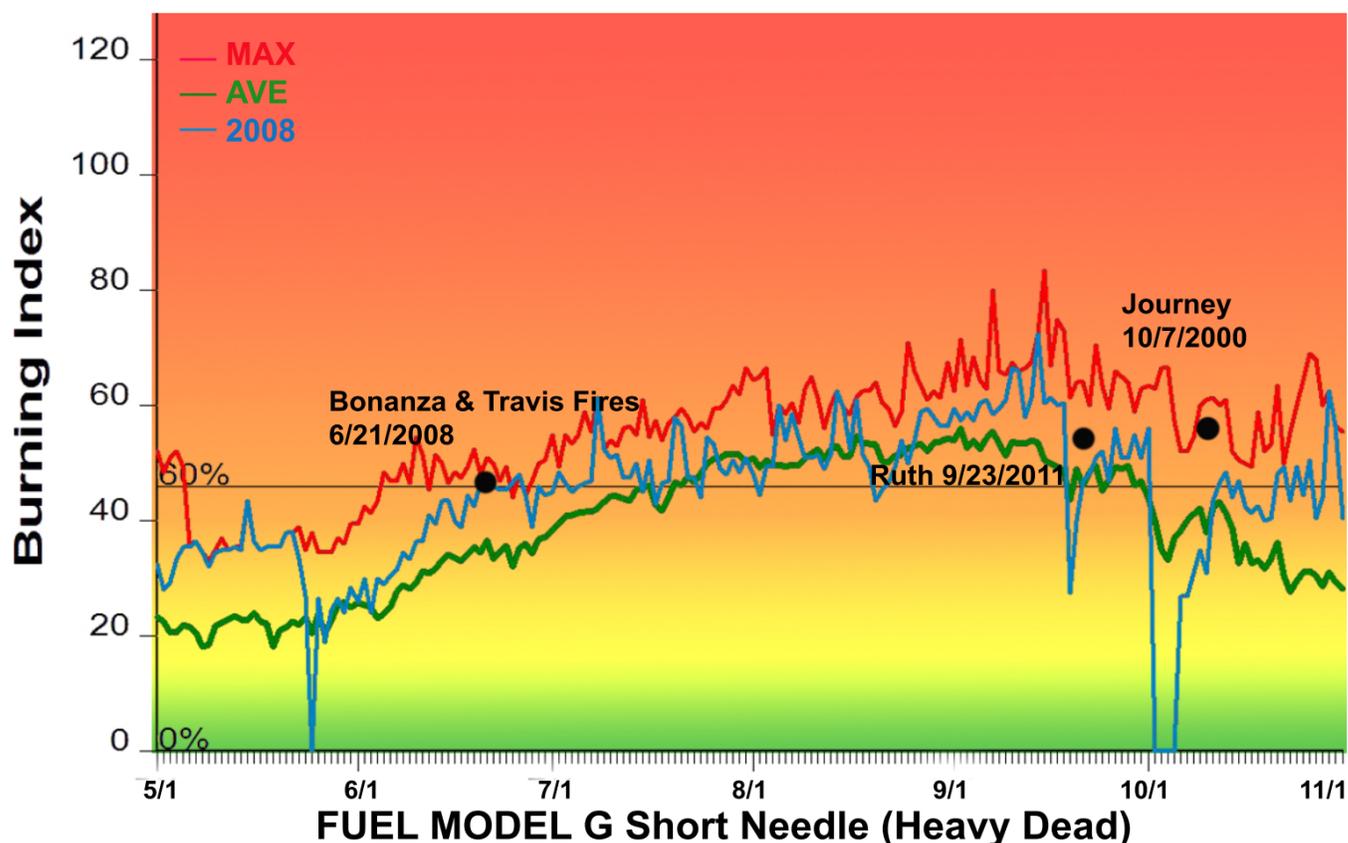


## Fire Danger Rating Area 130 Energy Release Component



## Fire Danger Rating Area 130 Burning Index

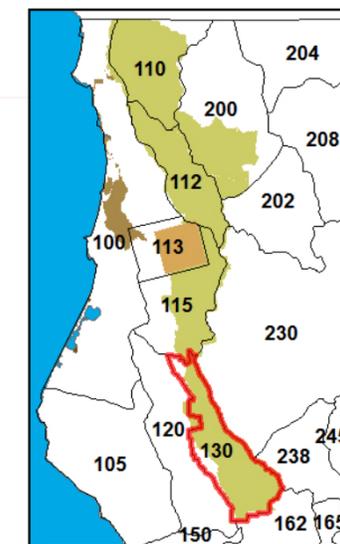


## Fire Danger Areas 130

- \* Mad River Ranger District
- \* Six Rivers National Forest
- \* NW CA - Region 5

## Weather Stations Used (NWCG Standards):

- \* 040507 Mad River
- \* 040508 Ruth



## Local Thresholds - WATCHOUT:

Combinations of any of these factors can greatly increase fire behavior: 20' Windspeed over 6 mph; RH less than 19%; Temperature over 90; 1000-hour Fuel Moisture less than 14. Large fires become more frequent when BI exceeds 46 and when ERC exceeds 48.

### Graph Interpretation, Energy Release Component:

Maximum = Highest ERC by day for 2003-2014

Average = Shows Peak Fire Season

60% = 60th Percentile means 40% of days studied had an ERC above 48.

## 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).

Large fires become more frequent when 1000 hour fuel moistures drop below 14, when BI exceeds 46, and when ERC exceeds 48 (large fires can and do occur at lower indices)

Afternoon winds W/NW along Ruth Lake Corridor greatly influence direction of fire spread in the area.

South Fork Mountain affects weather in the area: Funnels the wind and influences thunderstorm development and movement.

Other Watchouts not related to weather and indices; dangers associated with marijuana gardens and arson fires.

### Graph Interpretation, Burning Index:

Maximum = Highest BI by day for 2003-2014

Average = Shows Peak Fire Season

60% = 60th Percentile means 40% of all days studied had a BI above 46