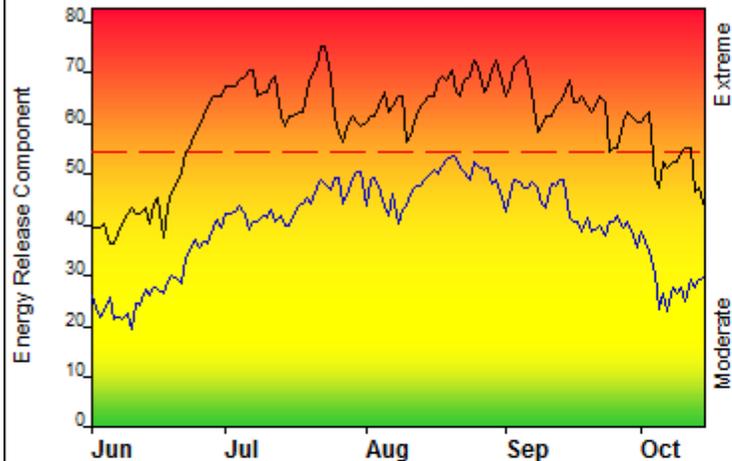


FIRE DANGER -- CGNF-Bozeman/Hebgen Lake

Maximum, Average, and 83th Percentile, based on 10 years data



Fire Danger Area:

- ◆ CGNF-Bozeman/Hebgen Lake
- ◆ FWZ 123, PSA NR12
- ◆ Hebgen 244603
- * Meets NWCG Wx Station Standards

Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

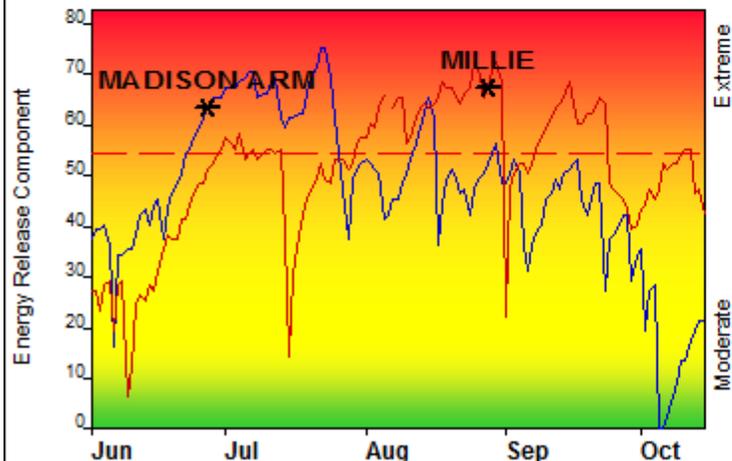
Maximum -- Highest Energy Release Component by day for 2006 - 2015

Average -- shows peak fire season over 10 years (1368 observations)

83th Percentile -- Only 17% of the 1368 days from 2006 - 2015 had an Energy Release Component above 54

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
 20' Wind Speed over 15 mph, RH less than 25%,
 Temperature over 80, 1000-Hour Fuel Moisture less than 12

Years to Remember: 2007 2012



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

Remember what Fire Danger tells you:

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

Past Experience:

Most large fire growth is wind driven, though occasionally can be slope driven as with Millie. Prevailing winds SW. Expect active night time burning conditions when fuel moistures are low and in inversion situations. ERCs of 55+ indicate potential for large fire growth, HIGH rates of spread and spotting with independent crown fires possible. Season ending event normally occurs in late September. (>3/4" precip over 3 days.)
 Millie (8/28/12) 10,515 ac (ERC 74, SW wind 5MPH, Gusts 19 MPH, RH 10%, detected 1414.) Slope >35%
 Madison Arm (8/27/07) 3,660 ac. (ERC63, SE wind, 6MPH, Gust 20MPH, RH 6%, Temp 89, detected 1330) Slope Flat.

Responsible Agency: USFS

FF+4.1 build 1622 06/09/2016-12:51 (C:\Users\cheaney\Desktop\FF+Data\Gallatin)

Design by NWCG Fire Danger Working Team

