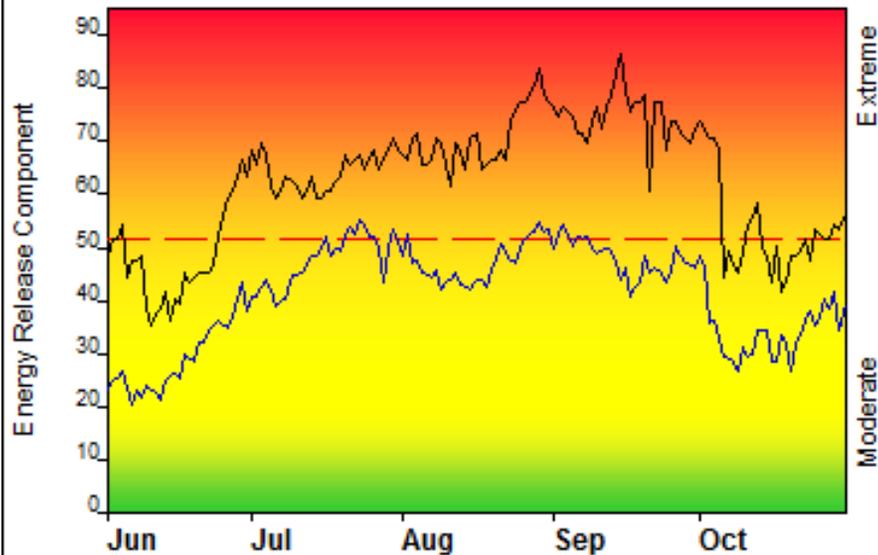


FIRE DANGER -- Beartooth RD CGNF

Maximum, Average, and 70th Percentile, based on 11 years data



Fire Danger Area:

- ◆ Beartooth RD CGNF
- ◆ MT Zone 128 PSA 12
- ◆ Timbercrest Wx 245807
- * Meets NWCG Wx Station Standards

Map on back
of card

Fire Danger Interpretation:



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

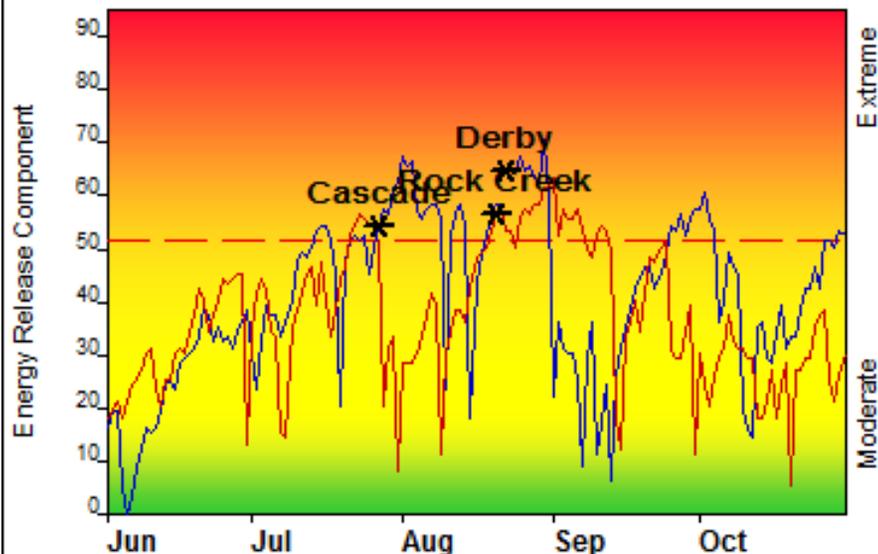
Maximum -- Highest Energy Release Component by day for 2005 - 2015

Average -- shows peak fire season over 11 years (1588 observations)

70th Percentile -- Only 30% of the 1588 days from 2005 - 2015 had an Energy Release Component above 51

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

Years to Remember: 2008 2013



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:

Large fire growth in this area is dictated by the primary factors of strong local winds, steep slopes and fuel dryness. These winds can lengthen the seasonal fire potential such as the West Fork Fire (March 28th, 2015- 400 acres) and create large fire growth such as the Derby Fire (August 22nd, 2008-207,000 acres). Other significant factors that affect fire growth are high fuel loadings in wind damage areas and beetle kill at endemic levels. The Cascade Fire (July 27th, 2008-10,200 acres) experienced large growth in a short duration due to these factors on steep slopes. The Rock Creek Fire (August 20th, 2013-950 acres) had moderate winds and ERC and experienced moderate growth compared to the Cascade and Derby.

Responsible Agency: U.S.F.S.

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Design by NWCG Fire Danger Working Team

