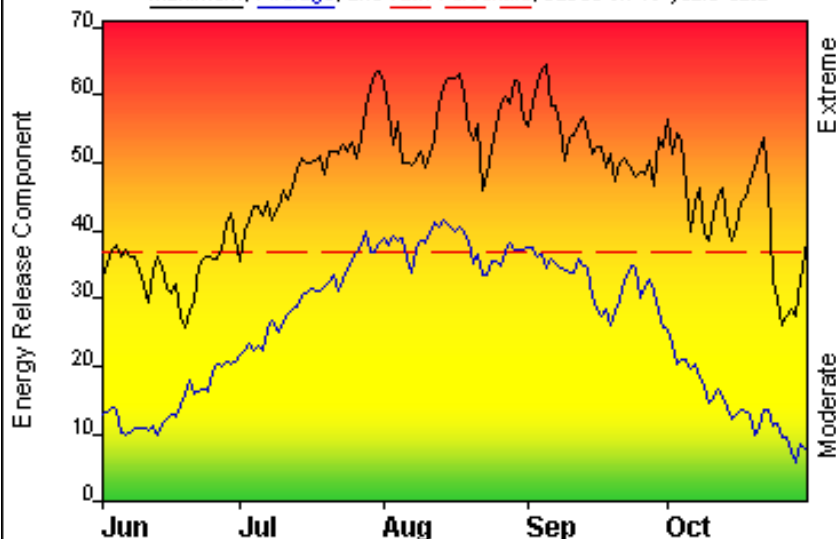


## FIRE DANGER -- ODF South Cascade District

Maximum, Average, and 72th Percentile, based on 18 years data



## Fire Danger Area:

- ODF South Cascade Dist.
- Fire Wx Zone 606 & 608
- Trout Cr, Brush Cr, & Pebble
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



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

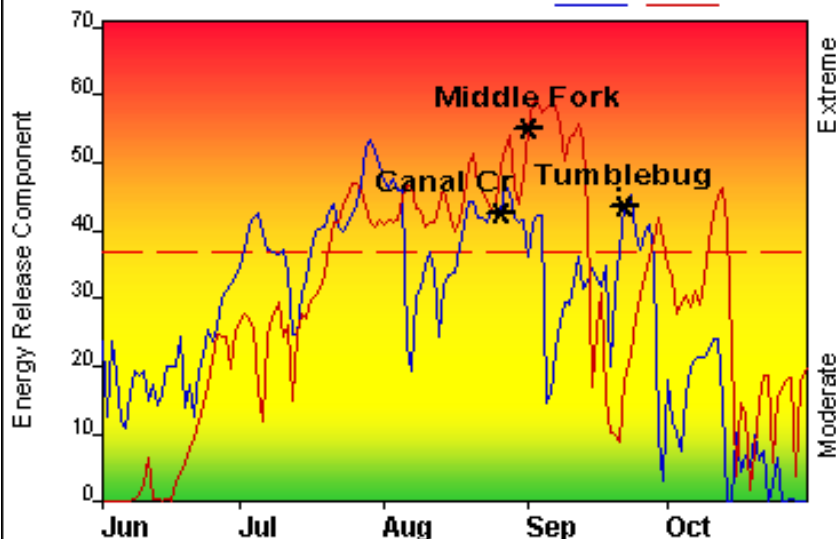
Maximum -- Highest Energy Release Component by day  
for 1992 - 2009

Average -- shows peak fire season over 18 years (2750 observations)

72th Percentile -- Only 28% of the 2750 days from 1992 - 2009  
had an Energy Release Component above 37

**Local Thresholds - Watch out:** Combinations  
of any of these factors can greatly increase fire behavior:  
20' Wind Speed over 12 mph, RH less than 35%,  
Temperature over 80, Woody fuel Moisture less than 120

## Years to Remember: 2009 2006



## 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:

\*The Cascade Crest is an area of Wx Zone transition and exhibits Wx from Westside  
Zone 608 and Eastside Zone 610.

\*Area experiences East winds, particularly during late summer/early fall.

\*Easterly winds warm and dry the fuels quickly.

\*Haines Index values of 5 or 6 indicate little atmospheric resistance to column  
development contributing to potential for large fire growth and extreme fire behavior.

\*80% of the historical large fires have occurred at an ERC of 37 or higher, which  
represents the 72nd percentile.

\* 1000-Hour Fuel Moisture Less than 16 is a watchout threshold

Responsible Agency: ODF - South Cascade District

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Pocket Card by Ed Keith

Design by NWCG Fire Danger Working Team

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