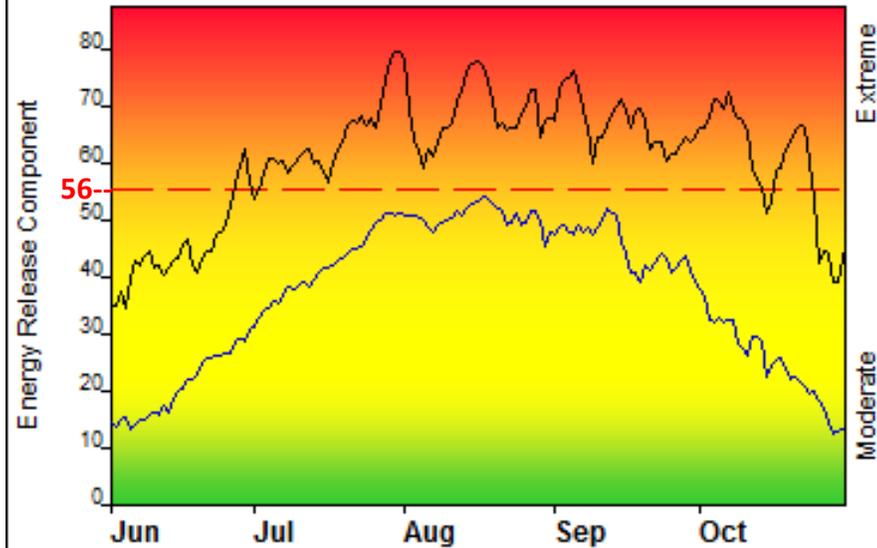


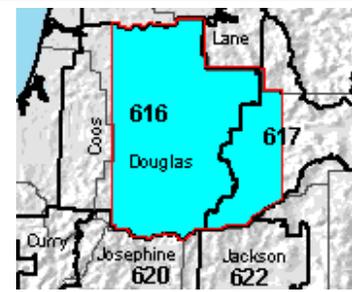
## FIRE DANGER -- Douglas Forest Protective Assn

Maximum, Average, and 82th Percentile, based on 17 years data



## Fire Danger Area:

- ◆ Douglas FPA / BLM ROD
- ◆ WX Zones 616 & 617
- ◆ Silver B & Grandd RAWS (Weight - 1:2)
- \* 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 1999 - 2015

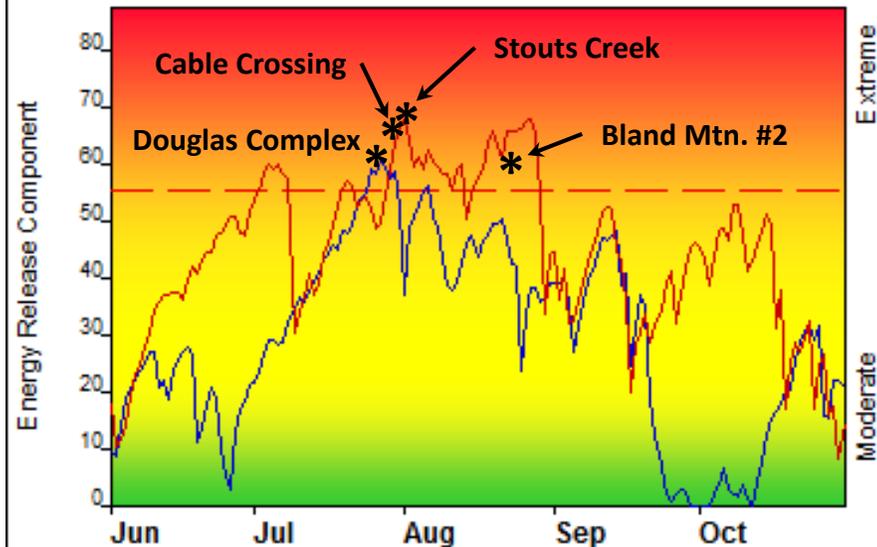
**Average** -- shows peak fire season over 17 years (2599 observations)

**82th Percentile** -- Only 18% of the 2599 days from 1999 - 2015 had an Energy Release Component above 55

## 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 85, Woody fuel Moisture less than 95

## Years to Remember: 2013 2015



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:

- \* 1000 - Hour Fuel Moisture < 13%
- \* 100 - Hour Fuel Moisture < 10 %
- \* Significant fire thresholds have been identified and occur at the 82th percentile and above..
- \* Steep slopes and heavy fuels loading are prevalent throughout the area. These factors contribute to large fire growth and are a limiting factor for mechanized equipment.
- \* In open timber stands and on south aspects the brush component may contain a high concentration of Black Berries. By late July these fuels are prone to intense runs, spotting, and are capable of producing FL exceeding 10 to 20 ft.

Responsible Agency: Douglas District / ODF - DFPA

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