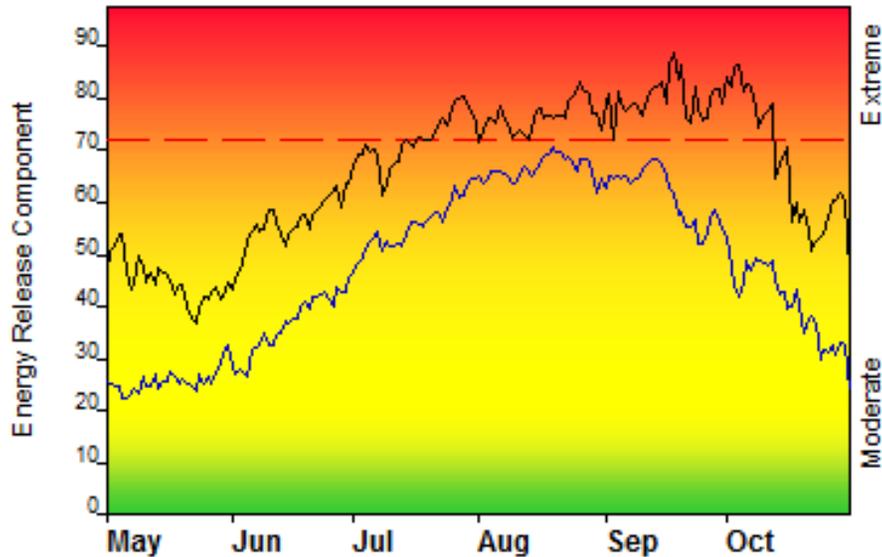


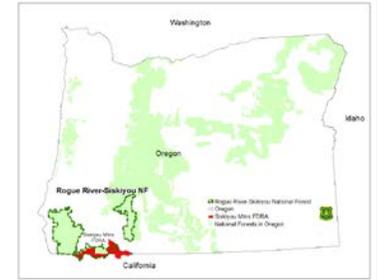
FIRE DANGER – SISKIYOU MOUNTAINS

Maximum, Average, and 90th percentile, based on 10 years data



Fire Danger Area:

- Siskiyou Mountains
- Weather zones 621
- Buckhorn, Crazy, Squaw RAWS
- *Meets NWCG Wx Station Standards



Fire Danger Interpretation:



- EXTREME** – Use extreme caution
- HIGH** – Watch for change
- MODERATE** – Lower Potential, but always be aware

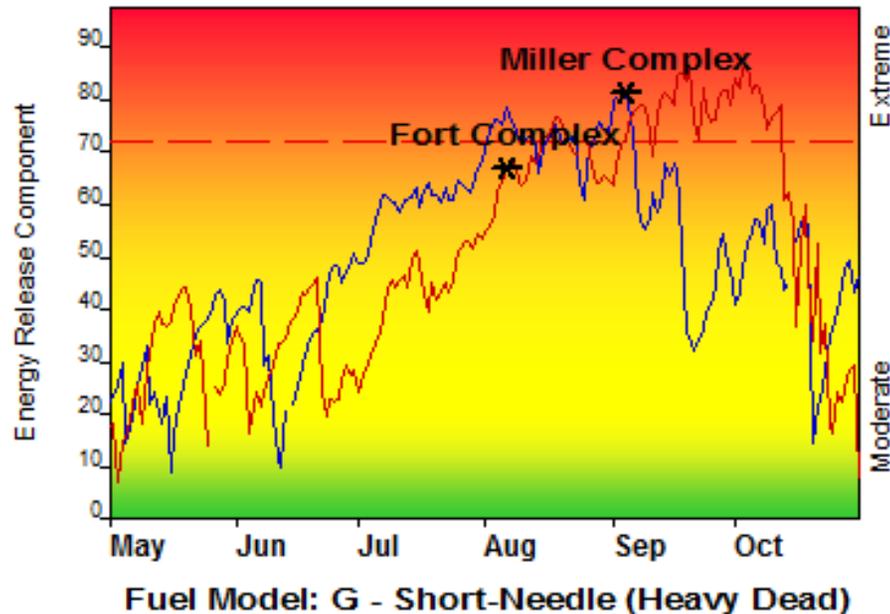
Maximum – Highest Energy Release Component by day for 2008-2017

Average – shows peak fire season over 10 years (1812 observations)

90th Percentile – 10% of the 1812 days from 2008-2017 had an Energy Release Component above 72.

Local Thresholds – Watchout: Combinations of any of these factors can greatly increase fire behavior: **20' Wind Speed** over 10 mph, **RH** less 25%, **Temperature** over 85, **1000-hr Fuel Moisture** less than 12%.

Years to Remember: 2017 2012



Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends calculated from 2pm temperature, humidity, daily temperature and RH ranges, and precipitation duration.
- ✓ Wind is NOT a part of ERC calculation
- ✓ Watch local conditions and variations across the landscape – fuel, weather, and topography.
- ✓ Listen to weather forecasts – especially wind.

Past Experience:

MILLER COMPLEX: 09/04/2017 (date of large fire growth) 39,715 acres ERC=82

FORT COMPLEX: 08/06/2012 (date of ignition) 2,500 acres ERC=66

- A thermal trough pattern creating off shore east (foehn) winds and poor night time RH recoveries.
- Two plus days with night time RH recoveries that are below 50%.
- Atmospheric instability = Haines of 5 or 6.
- 90th percentile or higher ERC values.
- <25% RH – torching becomes more likely.
- <20% RH – multiple tree torching and crown runs with wind.