

FDRA: Cottage Grove
RAWS: Sugarloaf (352546)
FUEL MODEL: Y-Timber

HISTORIC DATA YEARS: 2006-2024
WEATHER ZONES: 617

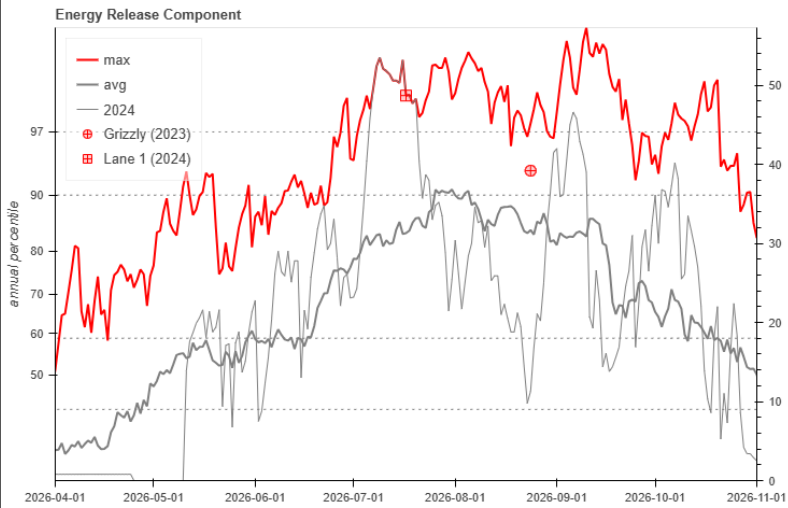


Umpqua Fire Danger Operating Plan

PARTICIPATING AGENCIES:

 Umpqua National Forest

Grizzly (8/24/2023) 324 acres
Lane 1 (7/17/2024) 25,951 acres
 FDRA is steeper and wetter than other FDRAs on the Umpqua.
 Primarily Douglas Fir and Hemlock.



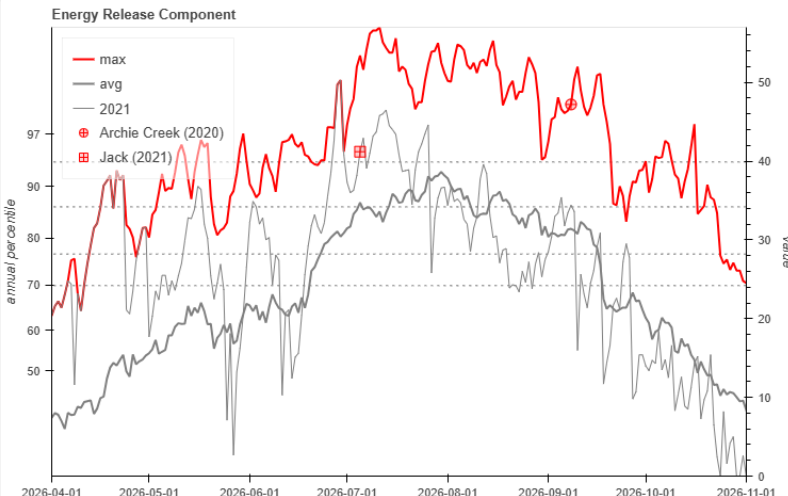
HOW TO INTERPRET FIRE DANGER POCKET CARDS:

- Header: Describes the Fire Danger Rating Area (FDRA) the chart applies to, identifies weather stations (RAWS) utilized, NFDRS fuel model, and years analyzed for that FDRA.
- MAX: Highest ERC recorded for that day during the analysis period.
- AVG: Average ERC recorded for that day during the analysis period.
- Large Fire Threshold: Most (~60%) of large fires were discovered at level 5.

FDRA: North Umpqua
RAWS: Grandad (353036)
FUEL MODEL: Y-Timber

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Archie Creek (9/8/2020) 131,542 acres
Jack (7/5/2021) 24,165 acres
 FDRA Description: Vegetation like Cottage Grove, but experiences warmer, drier weather conditions compared to Crest or Cottage Grove FDRAs.



REMEMBER WHAT FIRE DANGER TELLS YOU:

- Energy Release Component (ERC) Indicates fire season severity trends. Calculated from 1pm and 24hr min/max temperature and humidity, and 24hr precipitation duration. (Wind is NOT part of calculation)
- PAY ATTENTION to local conditions and variations across the landscape: Fuel, Weather, and Topography.
- LISTEN to weather forecasts and local weather readings—especially WIND.

CRITICAL THRESHOLDS:

- 20' Winds > 13 MPH
- Temperature > 85
- RH < 25%
- 1000-hour fuels < 12%
- Live Woody FMC < 80%

WATCHOUTS:

- High snag hazard across the forest from severe fire effects from 2002-2022. Many of these areas also exhibit excessive brush regrowth, contributing to increased fire behavior and suppression difficulties.
- A thermal trough pattern creating offshore (foehn) winds and poor nighttime RH recoveries..
- 90th percentile or above ERC values.
- <20% RH: group tree torching and crown runs with wind.

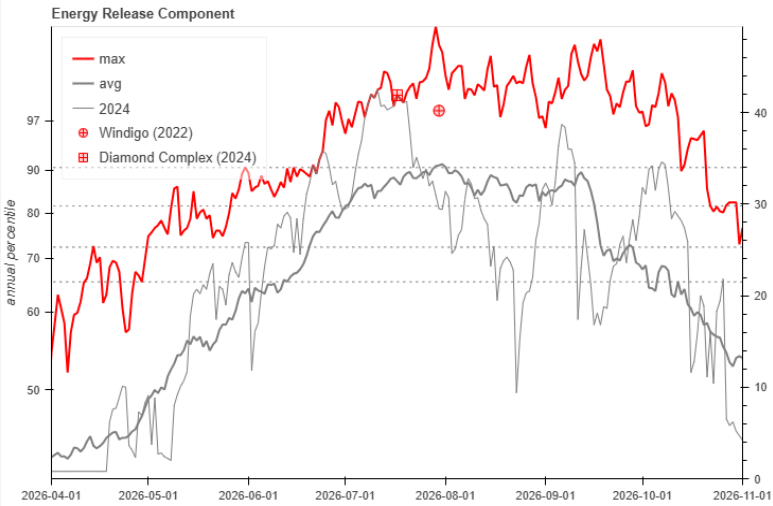
Station(s) comply with NWCG weather station standards

FDRA: Crest
RAWS: Cinnamon (353031) & Seldom Creek (353339)

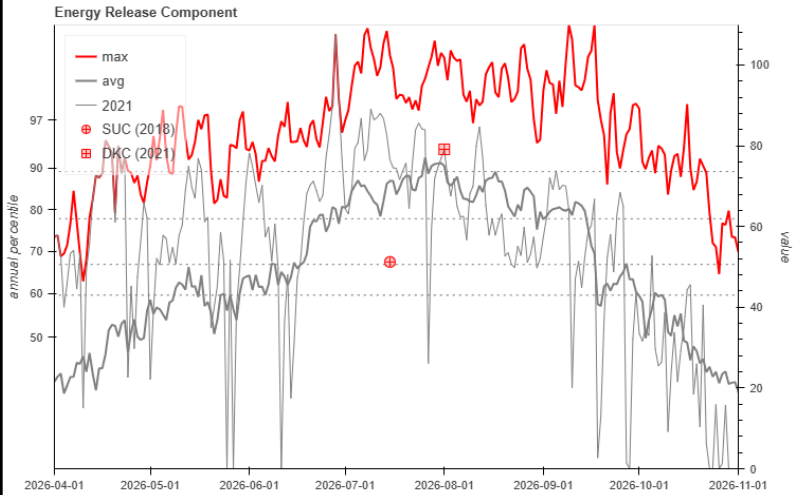
HISTORIC DATA YEARS: 2006-2024
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FUEL MODEL: Y-Timber

FDRA: South Umpqua
RAWS: Buckeye (353040)
FUEL MODEL: Z-Timber

HISTORIC DATA YEARS: 2006-2024
WEATHER ZONES: 617



Windigo (7/30/2022) 1007 acres
Diamond Complex (7/17/2024) Lemolo 1246 acres
 Differentiated from the other UPF FDRAs by its high elevation, flat terrain cool temperatures and, dominated by Western hemlock, Douglas fir, and lodgepole pine.



South Umpqua Complex (7/15/2018) Miles 16,680 acres
Devils Knob Complex (8/2/2021) Smith 49,239
 FDRAs is warmer, drier, and vegetation is unique compared to other UPF FDRAs with a relatively large component of ponderosa pine and incense cedar.