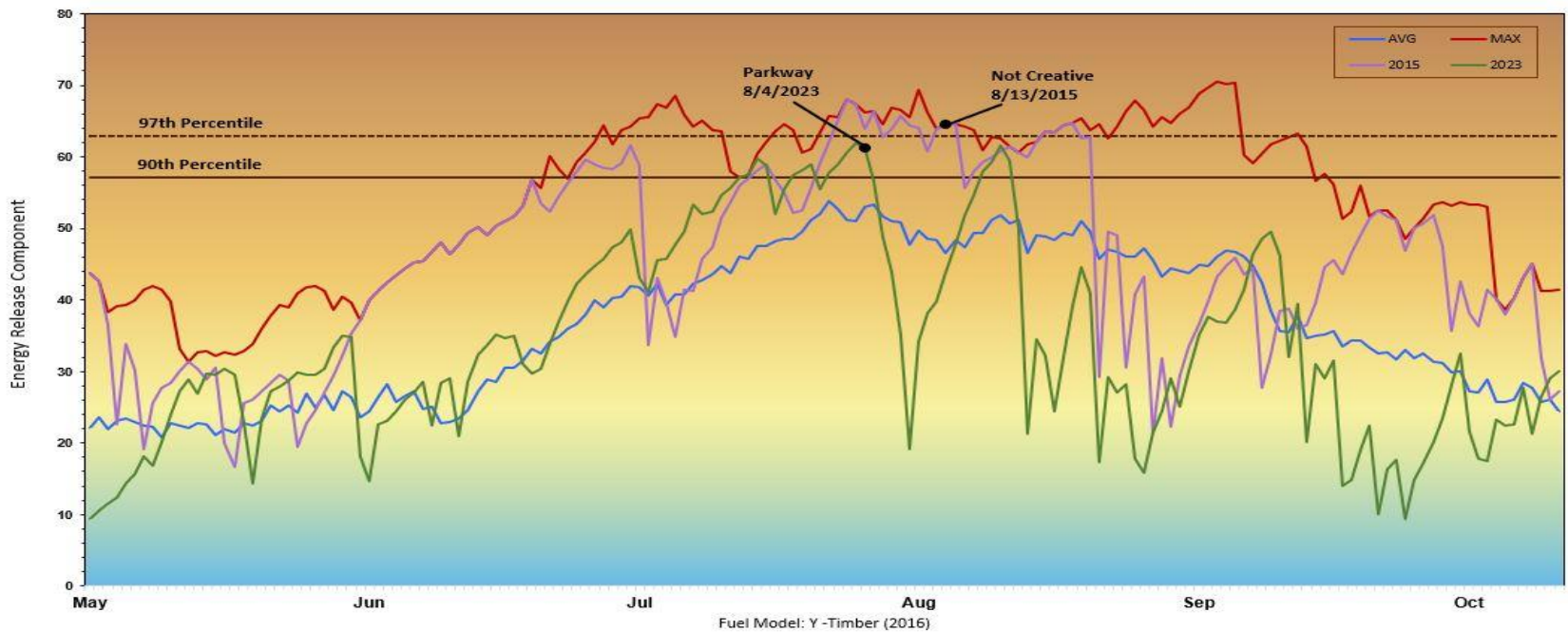


South Valleys-North Idaho Zone



FIRE DANGER AREA: NIZ-South Valleys

FORECAST ZONE: NOAA ID101

South Valleys FDRA SIG RAWs

100423 Nuckols

1006003 Potlatch

Stations meet NWCG Weather Station Standards



Daily Indices

GRAPH INTERPRETATION: Energy Release Component (ERC)
ERC gives seasonal trends calculated from temperature, humidity, and precipitation duration.

EXTREME – Use Extreme Caution

HIGH – Watch for Change

MODERATE – Lower Potential, but always be aware.

AVG – Mean ERC by day, over 15 years.

MAX – Highest ERC by day for 2009-2023.

90th Percentile – 10% of 2445 days from 2009-2023 had an ERC above 57.

97th Percentile – 3% of 2445 days from 2009-2023 had an ERC above 63.

LOCAL THRESHOLDS – WATCHOUT: Combinations of any of these factors can greatly increase fire behavior.

20' Wind Speed > 15 mph

RH < 20%

Temperature > 80 F

1000-Hour Fuel Moisture < 15%

PAST EXPERIENCE:

SV FDRA, pay special attention to WUI Watch Outs. In addition to ERC over 90th percentile, pay attention to Burning Index (BI) over the 85th percentile.

2015 Not Creative fire (135 acres) had daily record setting ERCs for two months, coupled with temps near 100F and RHs in mid-teens allowed for significant drying of fuels. Record low 1000-hr fuel moisture (8%) contributed to spread in dense canopy forest on a north aspect.

2023 Parkway fire (80 acres) burned actively in WUI dry ponderosa pine stand. 1000-Hr fuel were at 11%, with ERC above the 90th percentile.

