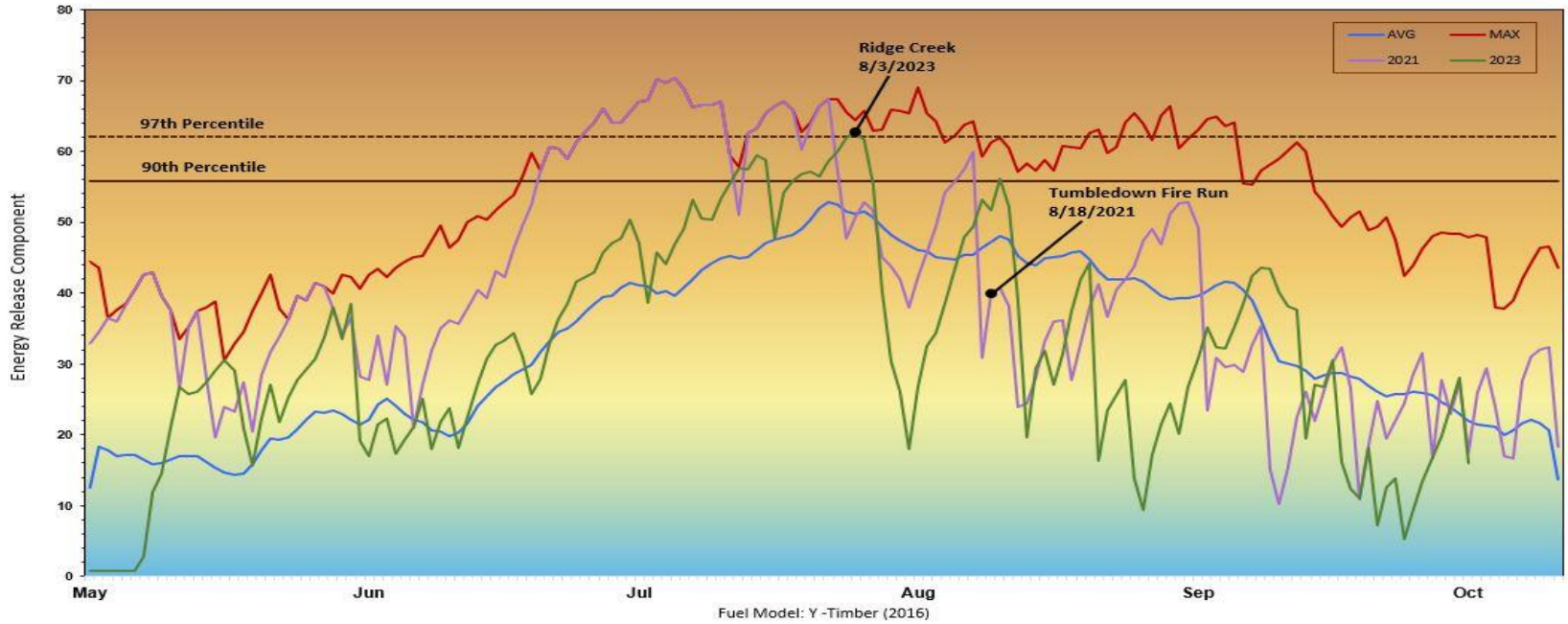


South Mountains-North Idaho Zone



FIRE DANGER AREAS: NIZ-South Mountains

FORECAST ZONE: NOAA ID101

South Mountains FDRA SIG RAWS

100424 Lines Creek

100425 Magee Peak

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 56.

97th Percentile – 3% of 2445 days from 2009-2023 had an ERC above 62.

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:

SM FDRA often has ignitions resulting in holdovers or small fires that do not have significant growth for several days. Be aware when weather/fuels conditions align, even without recent ignitions or recent growth.

2021 Tumbledown fire (11,121 acres) ignition 7/7/21, several mile wind driven run 8/18/21. ERC on 7/7 was above 97% setting new max. 8/18 1000-Hr @ 12%.

2023 Ridge Creek fire (4,474 acres). Grew several hundred acres in first period. ERC was above the 97%. Magee RAWs 1400 8/3; 84 F, 16% RH, wind 4 mph, and no precipitation 7/13-8/3/2023.

