

BASIN – FIRE DANGER RATING AREA

FIRE DANGER POCKET CARD

Salmon-Challis National Forest

US Wildland Fire Service

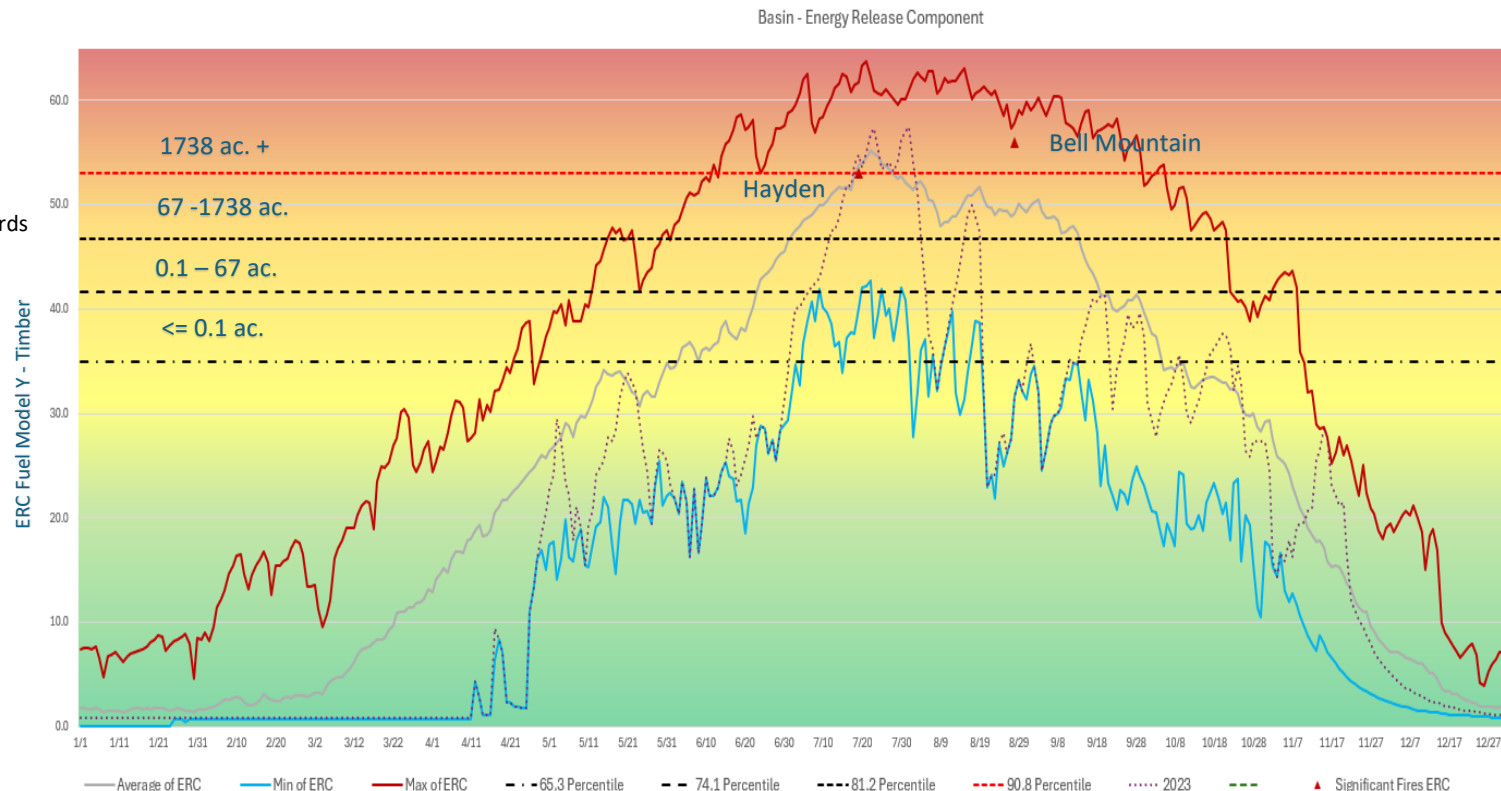
Weather Zone 476

Fuel Model Y

RAWS: Copper, Kriley Creek, Challis

*All stations comply with NWCG weather standards

Created by Central Idaho Dispatch 6.25.2026



REMEMBER – What Fire Danger tells you:

- Energy Release Component (ERC) gives seasonal trends calculated from daily max temperature, relative humidity (RH), and daily precipitation.
- Wind is NOT part of the ERC calculation.
- Burning Index (BI) IS very reactive to WINDY conditions.
- Pay attention to local conditions and variations across the landscape; Fuel, Weather, and Topography.
- Listen to weather forecasts, especially WIND and Minimum RH.
- Drainages may be susceptible to local winds, especially when in alignment.
- Fire Danger is calculated for the driest and most exposed part of the Area and is intended to provide the current worst-case scenario.

WATCH OUT – When dry fuels are combined with any of the following:

- Dry Cold Front Passage – Strong winds combined with Low Relative Humidity.
- Alignment of Wind and Slope.

Energy Release Component (ERC) – 5 levels, each level represents the threshold above which most fires of a certain class were historically discovered.

ERC	Percentiles	LOCAL THRESHOLDS
0 - 35	0 – 65.3	• Temperatures greater than 80 degrees.
35.1 – 41.6	65.4 – 74.1	• 1000-hr fuel moistures less than 10%
41.7 – 46.7	74.2 – 81.2	• Relative Humidity less than 10%
46.8 – 53	81.3 – 90.8	• 20-ft Wind Speed greater than 15 mph
53.1+	90.9+	

Max = Highest ERC by day, 2005-2024
 AVG = Average ERC by day, 2005-2024
 *2023 = A year to Remember (Hayden)
 *2017 = Bell Mountain

PAST EXPERIENCE: HAYDEN FIRE

*Asterisk denotes FIRE START DATE OF 7/19/2023

Conditions from Kriley RAWS:

7/19: ERC 55, BI 26; Peak wind gusts of 26 mph, RH 10%, Temp 90°, 1,000-hr FM 10%.

Fire size up called in at 1129. By 1226 fire was estimated at 50 acres, at 1830 fire estimated over 600 ac.

7/20 AM	605 Acres	ERC 56, BI 27; Max Temp 91°, Wind gusts 51 mph, RH 10%, 1,000-hr FM 9%. Burned 2,240 throughout the day.
7/21 AM	3,025 Acres	ERC 54, BI 25.6; Max Temp 91°, Wind gust 21 mph, RH 12%, 1,000-hr FM 9%. Increased by 607 acres throughout the day.
7/26 AM	11,030 Acres	ERC 53, BI 25; Max Temp 88°, Wind gust 23 mph, RH 12%, 1,000-hr FM 9%. Increased 3,734 acres by end of shift to total 14,764.