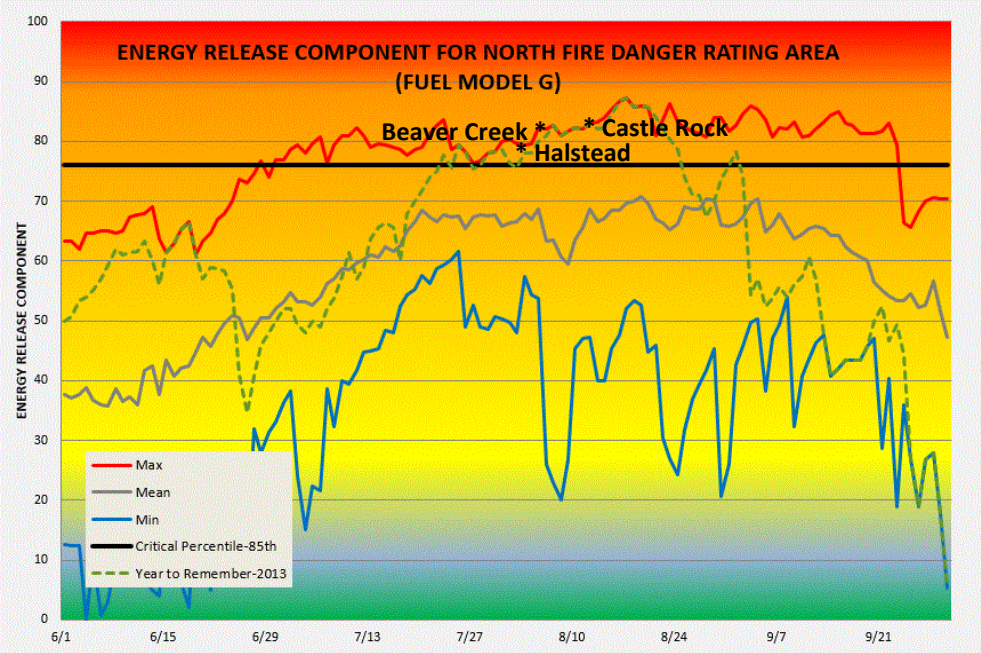
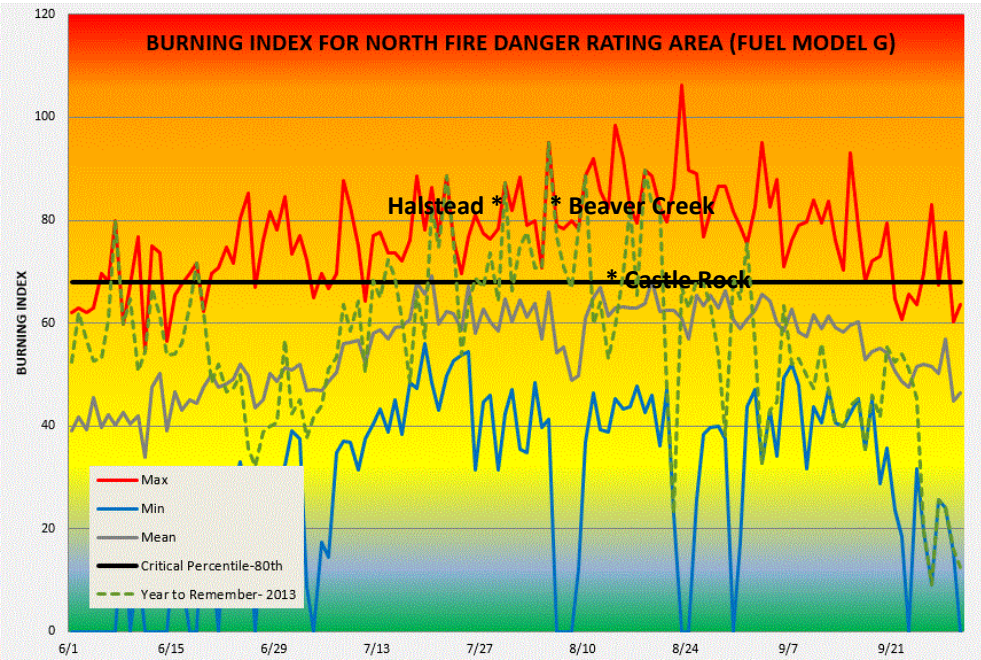
FIRE DANGER POCKET CARD

South Central Idaho Interagency Dispatch Center

SCAN QR CODE FOR DAILY INDICES:





This pocket card was approved by the Sawtooth National Forest and Twin Falls BLM Fire Programs.

ENERGY RELEASE COMPONENT

- ERC is calculated from the 1300 RAWS daily observation of temperature, humidity, daily temperature & RH ranges, and precipitation.
- ERC has low variability and is the best fire danger component for indicating effects of intermediate to long-term drying on fire behavior. This index can serve as a good characterization of seasonal trends.
- Wind is **NOT** part of the ERC calculation.

BURNING INDEX

- BI gives day to day fluctuations calculated from the 1300 RAWS daily observation of temperature, wind, RH, daily temperature & RH ranges, and precipitation duration.
- Wind has a major influence on BI.
- BI is an estimate of the potential difficulty of fire control as a function of how fast and how hot a fire could burn.

LOCAL TRESHOLDS: NORTH FIRE DANGER RATING AREA

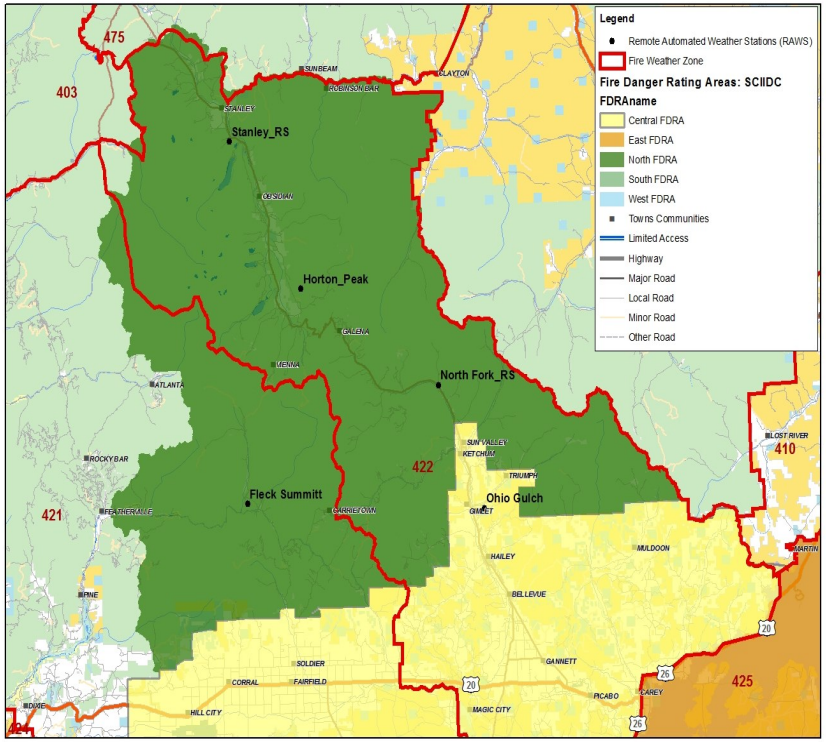
- Critical Percentiles for ERC and BI were determined through historical fire analysis

Any of combination of the following greatly increase the likelihood of extreme fire behavior:

- Temperatures above 85
- RH below 20%
- Eye Level Winds >10 mph, especially when wind direction aligns with major drainages
- Haines Index of 5 or 6
- 1000 Hour Fuel Moisture of 9 or less

SIGNIFICANT HISTORICAL FIRES

DATE	FIRE NAME	SIZE	BI	ERC	TEMP	RH	WIND
8/9/13	Beaver Creek	111,497	83	82	82	14	10
7/30/12	Halstead	171,948	83	80	88	8	11
8/16/07	Castle Rock	48,250	69	82	90	9	8



Station ID	Station Name	Agency/Owner	Elevation
101809	Stanley	USFS-ID-STF	6286
102903	North Fork	USFS-ID-STF	6290
102802	Fleck Summit	USFS-ID-STF	7100

All stations comply with NWCG weather stations standards. All stations are active. Data is from 2005 - 2014.