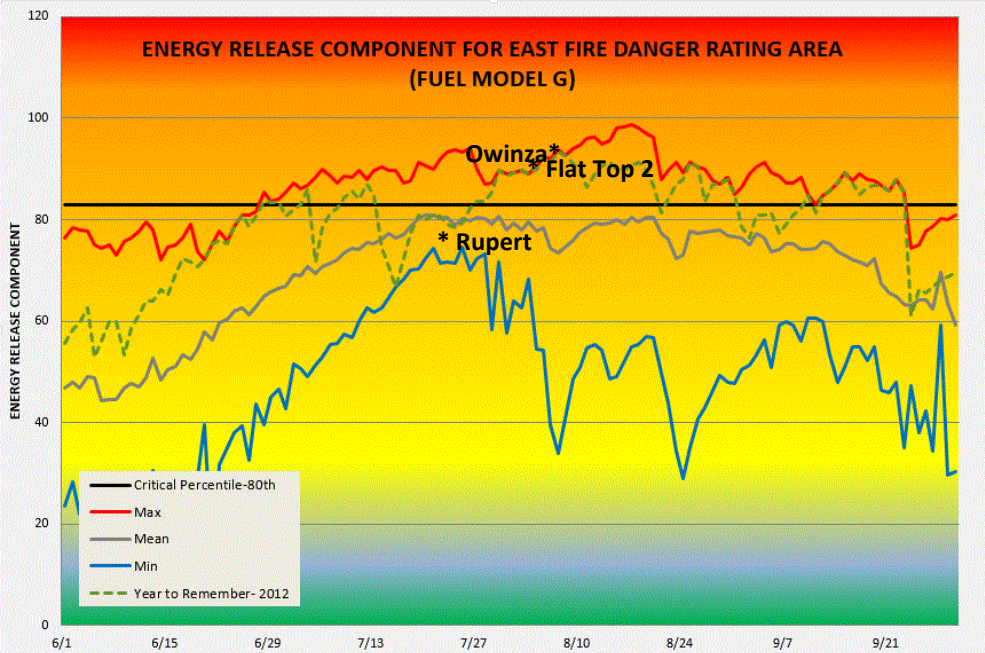
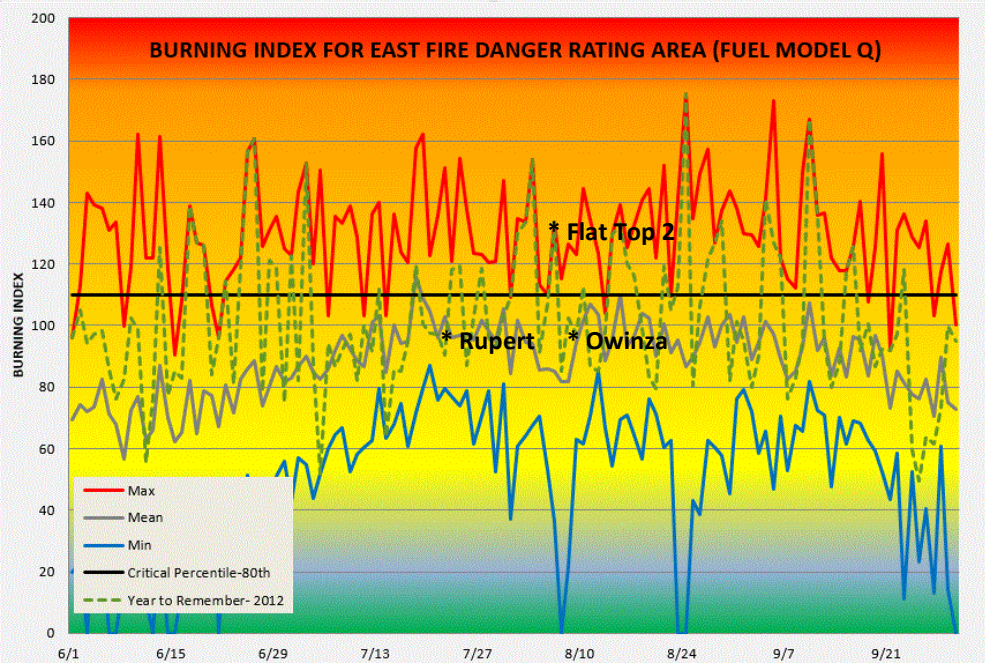
FIRE DANGER POCKET CARD

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: EAST FIRE DANGER RATING AREA

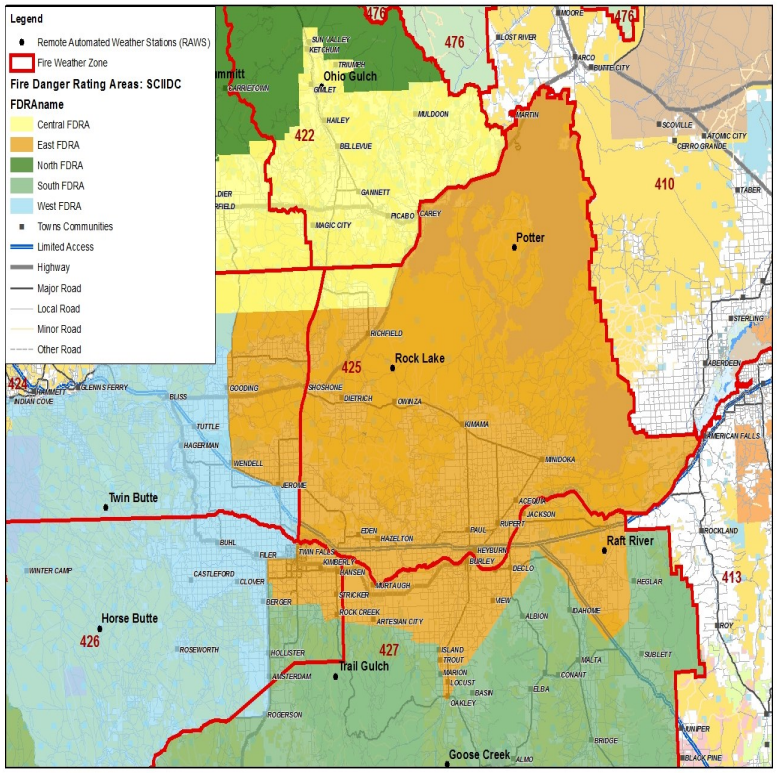
- Critical Percentiles for ERC and BI were determined through historical fire analysis

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

- Temperatures above 90
- RH below 20%
- Eye Level Winds >10 mph
- Haines Index of 5 or 6
- Live Fuel Moisture (Sagebrush) of 120 or less

SIGNIFICANT HISTORICAL FIRES

DATE	FIRE NAME	SIZE	BI	ERC	TEMP	RH	WIND
8/6/12	Flat Top 2	140,954	134	91	91	13	14
8/8/13	Owinza	34,507	90	92	92	19	7
7/22/05	Rupert	47,592	89	75	94	19	8



Station ID	Station Name	Agency/Owner	Elevation
103403	Rock Lake	BLM-ID-TFD	4250
104104	Raft River	BLM-ID-TFD	4400
102907	Potter Butte	BLM-ID-TFD	4940

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