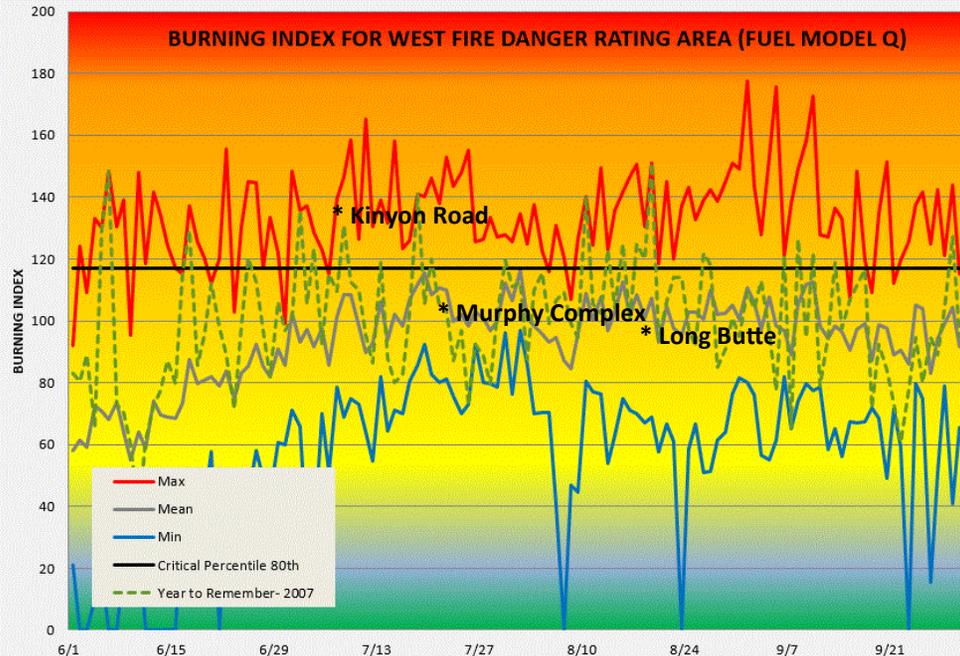
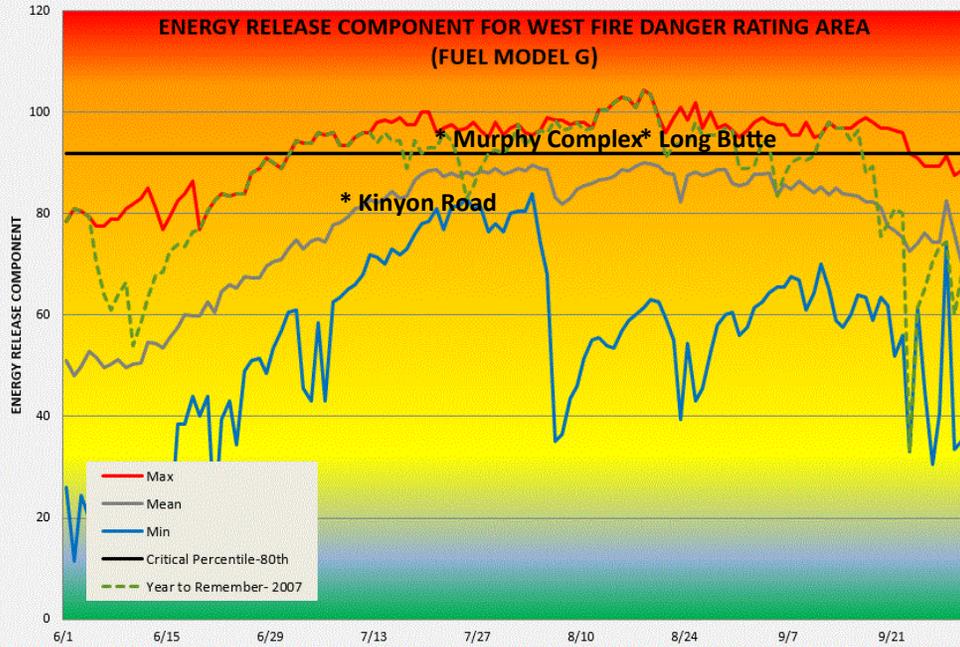




# FIRE DANGER POCKET CARD

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

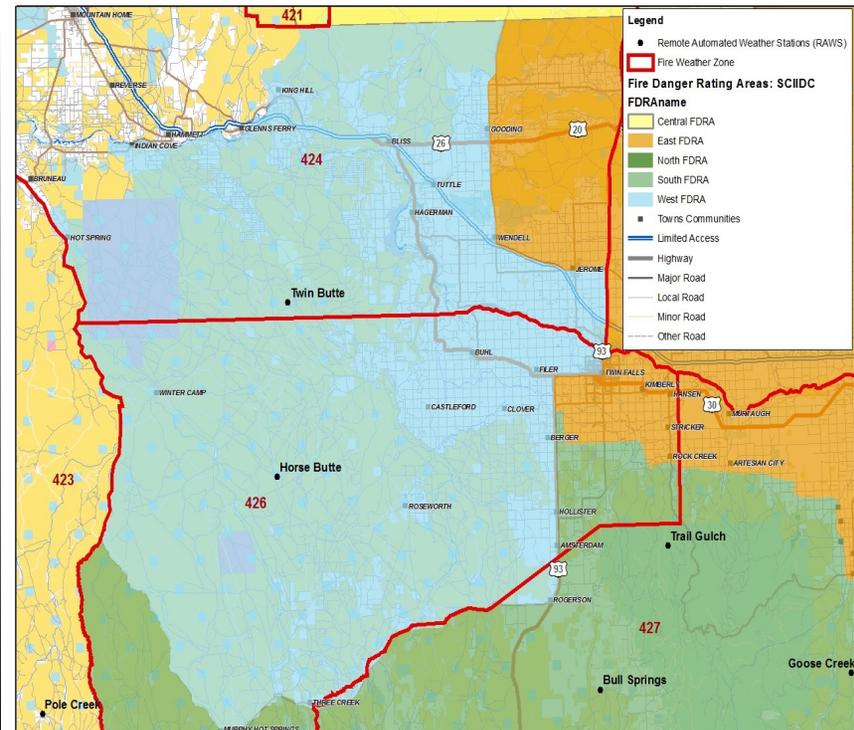
- BI gives day to day fluctuations calculated from the 1300 RAWs daily observation of temperature, wind, RH, daily temperature & RH ranges, and precipitation duration.
- Wind has a major influence on BI.
- BI is an estimate of the potential difficulty of fire control as a function of how fast and how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

## LOCAL TRESHOLDS: WEST 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
7/8/12	Kinyon Road	210,874	134	83	89	20	16
8/21/10	Long Butte	306,113	96	94	86	5	6
7/21/07	Murphy Complex	652,016	105	93	89	17	9



Station ID	Station Name	Agency/Owner	Elevation
103205	Horse Butte	BLM-ID-TFD	5000
103209	Twin Butte	BLM-ID-TFD	3330

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