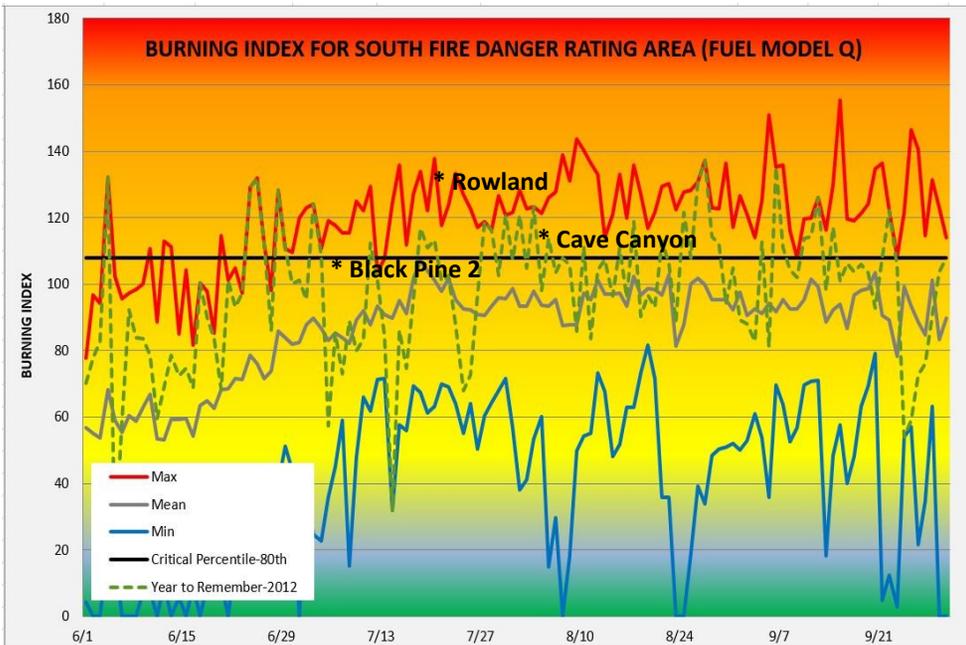
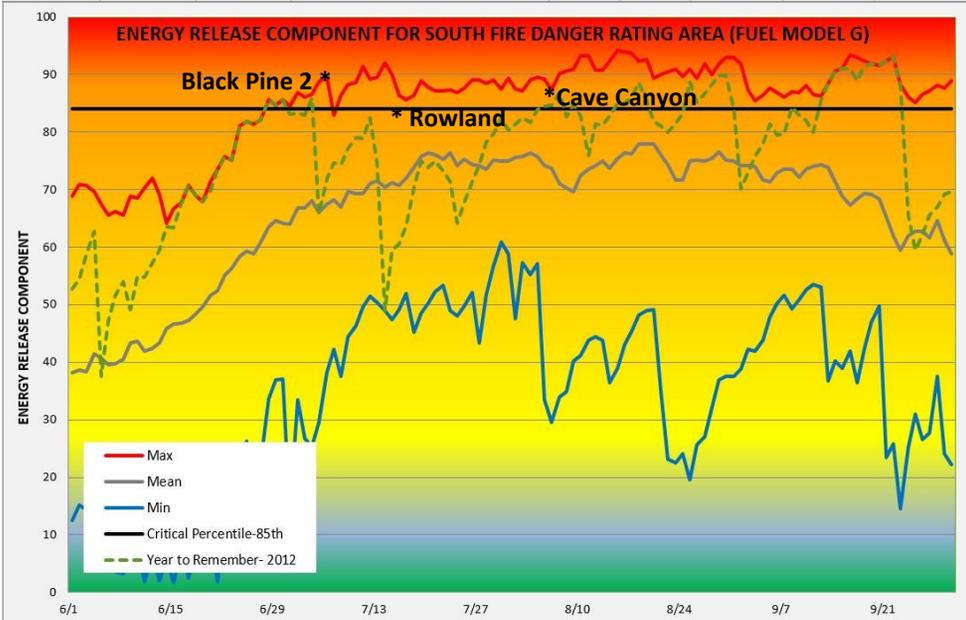




**FIRE DANGER POCKET CARD**  
**SOUTH FIRE DANGER RATING AREA**  
 South Central Idaho Interagency Dispatch Center  
**SCAN QR CODE FOR DAILY INDICES:**



**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 THRESHOLDS: SOUTH 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, especially when wind direction aligns with major drainages
  - Haines Index of 5 or 6
  - Sagebrush fuel moisture of 120% or less
  - Conifer (Douglas fir/Lodgepole/Subalpine fir) fuel moisture of 110% or less
  - Juniper fuel moisture of 90% or less

**SIGNIFICANT HISTORICAL FIRES**

DATE	FIRE NAME	SIZE	BI	ERC	TEMP	RH	WIND
8/5/12	Cave Canyon	88,909	114	87	91	14	9
7/6/07	Black Pine 2	72,361	103	92	98	11	7
7/17/07	Rowland	141,335	129	83	85	20	17



Station ID	Station Name	Agency/Owner	Elevation
104006	Bull Springs	BLM-ID-TFD	5700
104105	Goose Creek	BLM-ID-TFD	5660
104103	Moberg Canyon	USFS-ID-STF	6400

All stations comply with NWCG weather stations standards. All stations are active. Data is from 2007-2018.