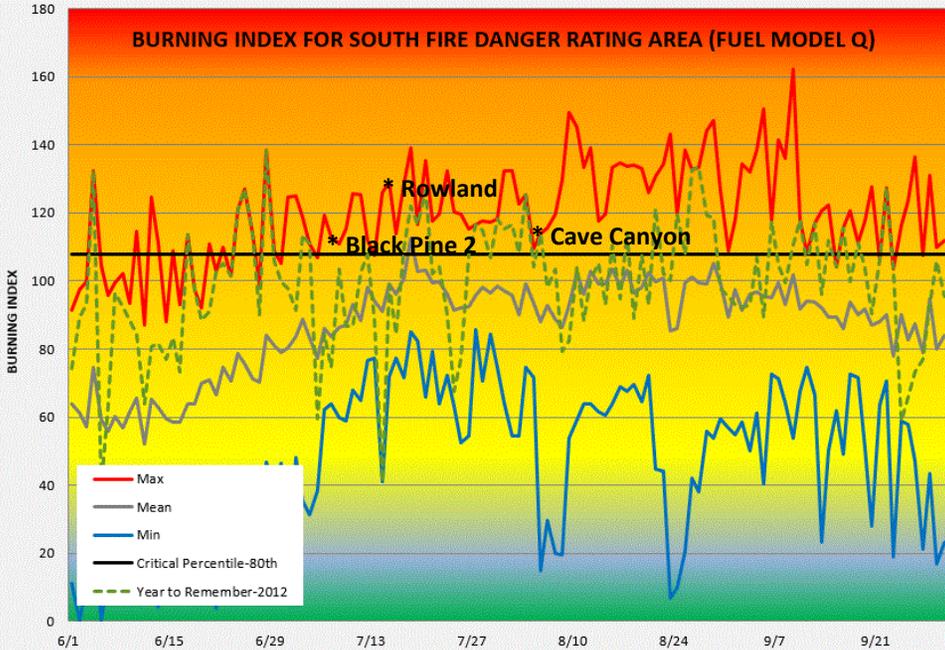
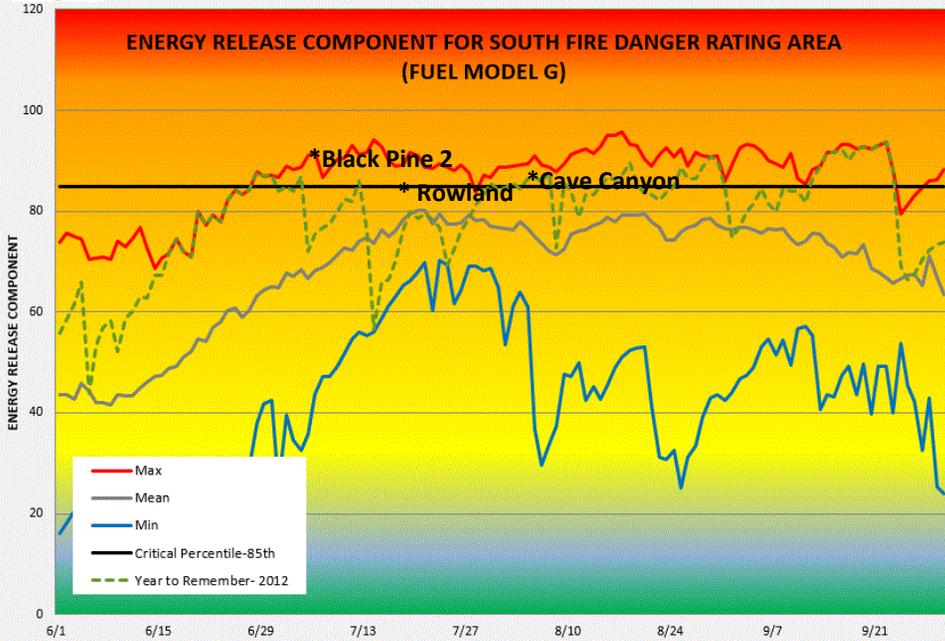




# FIRE DANGER POCKET CARD

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

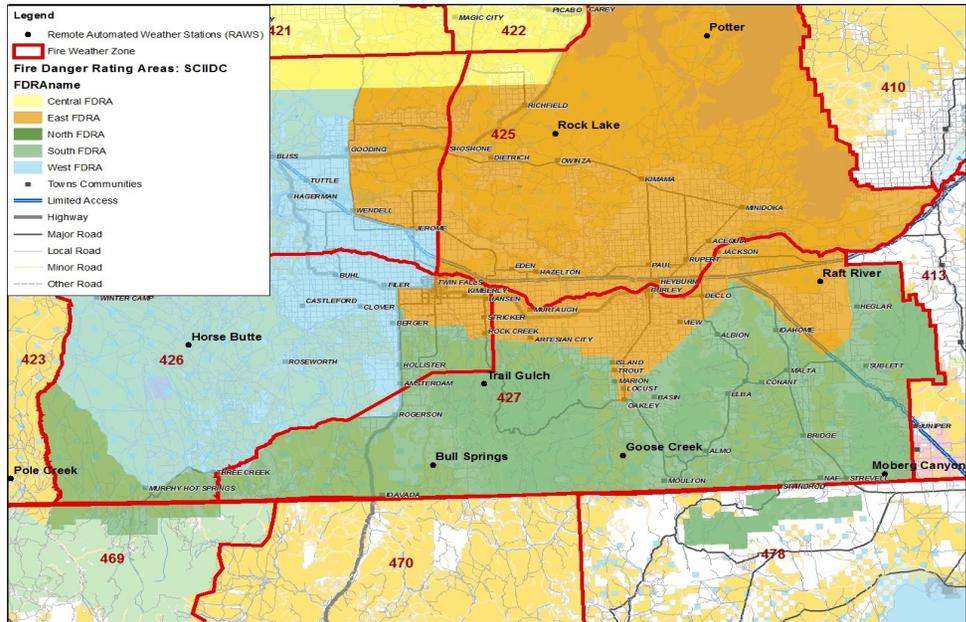
- BI gives day to day fluctuations calculated from the 1300 RAWs daily observation of temperature, wind, RH, daily temperature & RH ranges, and precipitation duration.
- Wind has a major influence on BI.
- BI is an estimate of the potential difficulty of fire control as a function of how fast and how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

## LOCAL TRESHOLDS: 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
  - Live Fuel Moisture (Sagebrush, Juniper, or Conifer) of 110 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      |
| 103210     | Pole Creek    | BLM-ID-BOD   | 5660      |

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