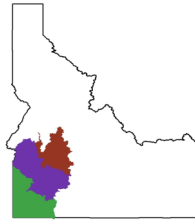


# FIRE DANGER POCKET CARD

Boise Interagency Dispatch Center

<http://fam.nwcg.gov/fam-web/pocketcards/>



Developed & Approved by:  
ID-BOD, ID-SWS, ID-BOF,  
MARCH 2018

## FIRE DANGER FACTS

### ENERGY RELEASE COMPONENT

- ERC is calculated from the 1300 RAWS daily observation of temperature, humidity, daily temperature & RH ranges, and precipitation.
- ERC can serve as a good characterization of a fire season as it tracks seasonal fire danger trends.
- ERC has low variability and is the best fire danger component for indicating effects of intermediate to long-term drying on fire behavior.
- 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.
- Divide BI by 10 gives an estimate of the flame length.

DISPATCH LEVELS	BOISE MTNS ERC	SNRVR / FTHLS BI	OWYHEE BI
<b>HIGH</b> Potential for high to extreme intensity. Expect high rates of spread, flame length, and control difficulty. Spot fires are a constant danger.	<b>78+</b>	<b>46+</b>	<b>75+</b>
<b>MODERATE</b> Fires in open cured grasslands will burn briskly and spread rapidly on windy days. Timber fires spread slowly to moderately fast. Short distance spotting may occur.	<b>45-77</b>	<b>26-45</b>	<b>50-74</b>
<b>LOW</b> Containment problems not expected. Fires tend to spread slowly by creeping and smoldering, and burn in irregular fingers.	<b>0-44</b>	<b>0-25</b>	<b>0-49</b>

**LOCAL THRESHOLDS** Any of these factors significantly increase the potential for extreme fire behavior.

	BOISE MOUNTAINS	SNAKE RIVER/FOOTHILLS	OWYHEE CANYONLANDS
20 FT WIND SPEED (mph)	>5	>7	>8
RH (%)	<25	<15	<15
TEMPERATURE (°F)	>80	>85	>84
FACTOR	ERC >78	BI >46	BI >75

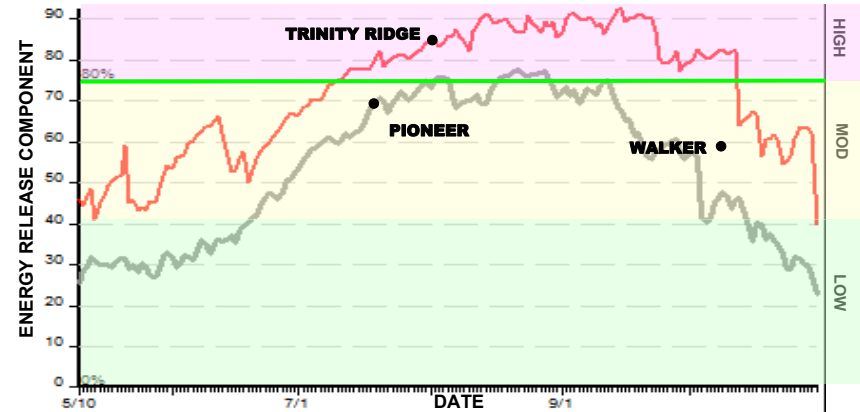
**PAST FIRE EXPERIENCE** - Weather taken from closest RAWS station

DATE	FIRE NAME	FDRA	SIZE	BI	ERC	TEMP	RH	WIND
07/18/16	PIONEER	BOISE MTNS	188,404	—	69	85	15	4
08/03/12	TRINITY RIDGE	BOISE MTNS	146,832	—	83	77	10	4
10/10/15	WALKER	BOISE MTNS	5,963	—	59	83	14	4
06/25/15	MM43 HWY52	SNRVR/FTHLS	10,845	55	—	84	22	9
07/19/16	MM14 HIGHWAY21	SNRVR/FTHLS	4,311	29	—	87	15	3
08/08/13	MUDD (PONY COMPLEX)	SNRVR/FTHLS	135,231	46	—	87	12	5
07/09/12	JACKS	OWYHEE	48,894	92	—	98	6	13
08/10/15	SODA	OWYHEE	279,144	84	—	83	22	16
08/15/13	JUNI	OWYHEE	2,225	74	—	95	6	4

## BOISE MOUNTAINS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 80th PERCENTILE. Data Years: 2008-2017

FUEL MODEL G—Dense Conifer

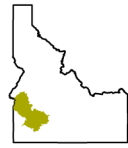
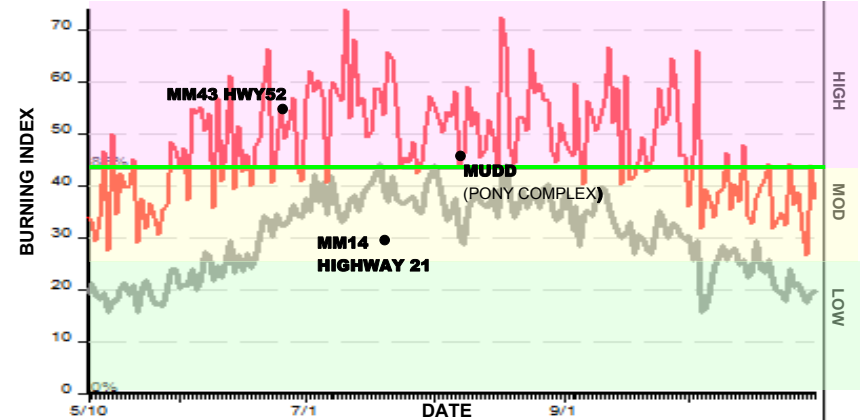


Fire WX Zones: 403, 421  
WX STATIONS Meets NWCG Standards:  
Teapot 101220, WagonTown 102712,  
Pine Creek 101222, TownCreek 101708,  
Little Anderson 101710.

## SNAKE RIVER / FOOTHILLS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 85th PERCENTILE. Data Years: 2008-2017

FUEL MODEL A—Western Annual Grasses

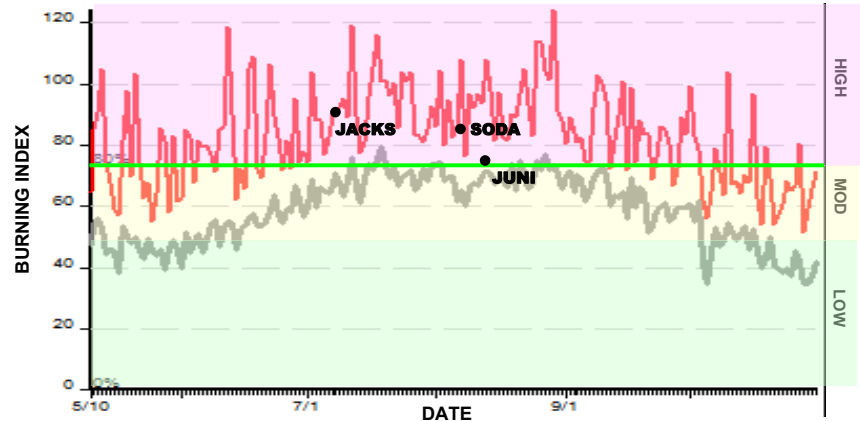


Fire WX Zones: 400, 420, 424  
WX STATIONS Meets NWCG Standards:  
Mountain Home 102709,  
Horse Butte 103205, Catfish 101402.

## OWYHEE CANYONLANDS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 80th PERCENTILE. Data Years: 2008-2017

FUEL MODEL G—Dense Conifer



Fire WX Zones: 423  
WX STATIONS Meets NWCG Standards:  
Owyhee Ridge 353614,  
Brace Flat 103207, Triangle 103208.