

FIRE DANGER POCKET CARD

Boise Interagency Dispatch Center

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



Developed & Approved by:
ID-BOD, ID-SWS, ID-BOF,
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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
HIGH Potential for high to extreme intensity. Expect high rates of spread, flame length, and control difficulty. Spot fires are a constant danger.	78+	46+	75+
MODERATE 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.	45-77	26-45	50-74
LOW Containment problems not expected. Fires tend to spread slowly by creeping and smoldering, and burn in irregular fingers.	0-44	0-25	0-49

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

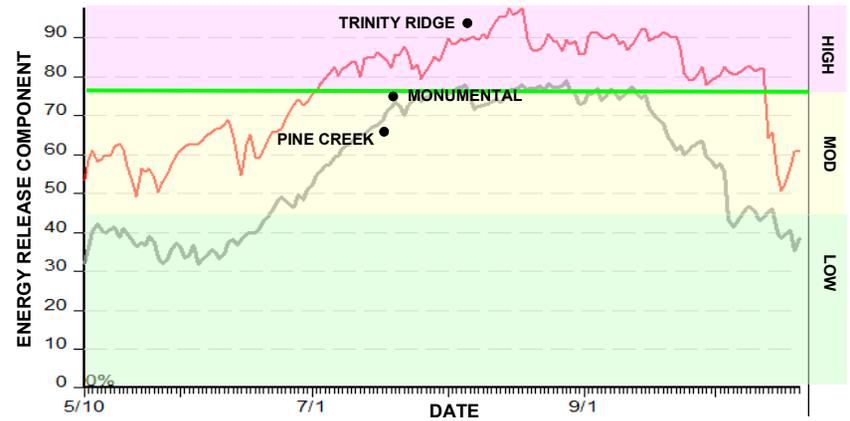
- Weather taken from closest RAWs station

DATE	FIRE NAME	FDRA	SIZE	BI	ERC	TEMP	RH	WIND
07/15/13	PINE CREEK	BOISE MTNS	2797	—	66	97	9	5
08/03/12	TRINITY RIDGE	BOISE MTNS	146,832	—	92	85	8	5
07/17/07	MONUMENTAL	BOISE MTNS	174,231	—	75	83	19	4
06/25/15	MM43 HWY52	SNRVR/FTHLS	10,845	55	—	88	15	11
08/08/13	MUDD (PONY COMPLEX)	SNRVR/FTHLS	135,231	43	—	97	6	9
08/14/11	BLAIR	SNRVR/FTHLS	39,577	47	—	98	7	11
08/10/15	SODA	OWYHEE	279,144	96	—	94	10	24
07/09/12	JACKS	OWYHEE	48,894	90	—	98	6	13
07/06/07	CRUTCHER CROSSING	OWYHEE	38,124	87	—	102	4	8

BOISE MOUNTAINS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 80th PERCENTILE. Data Years: 2005-2014

FUEL MODEL G—Dense Conifer

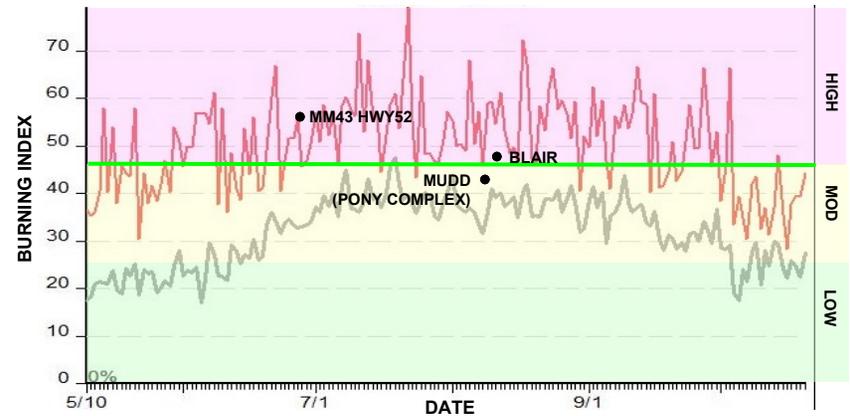


Fire Wx Zones: 403, 421
WX STATIONS: Meets NWCG Standards:
Teapot 101220, WagonTown 102712,
Pine Creek 101222, TownCreek 101708,
Little Anderson 101710.

SNAKE RIVER / FOOTHILLS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 85th PERCENTILE. Data Years: 2005-2014

FUEL MODEL A—Western Annual Grasses

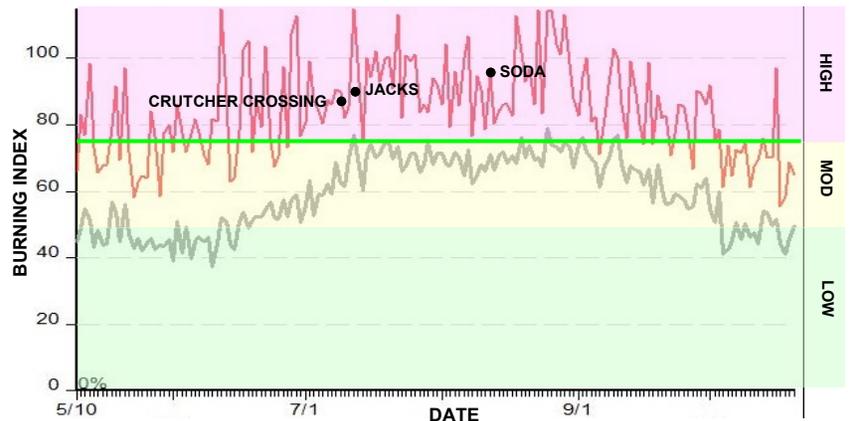


Fire Wx Zones: 400, 420, 424
WX STATIONS: Meets NWCG Standards:
Mountain Home 102709,
Horse Butte 103205, Catfish 101402.

OWYHEE CANYONLANDS FIRE DANGER RATING AREA

MAXIMUM, AVERAGE, 80th PERCENTILE. Data Years: 2005-2014

FUEL MODEL G—Dense Conifer



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