

FIRE DANGER POCKET CARD

Boise Interagency Dispatch Center

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



Developed & Approved by:
ID-BOF. ID-SWS. ID-BOD.
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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.	70+	39+	63+
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.	45-69	27-38	34-62
LOW Containment problems not expected. Fires tend to spread slowly by creeping and smoldering, and burn in irregular fingers.	0-44	0-26	0-33

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	<20	<15
TEMPERATURE (°F)	>80	>85	>84
FACTOR	ERC >69	BI >38	BI >62

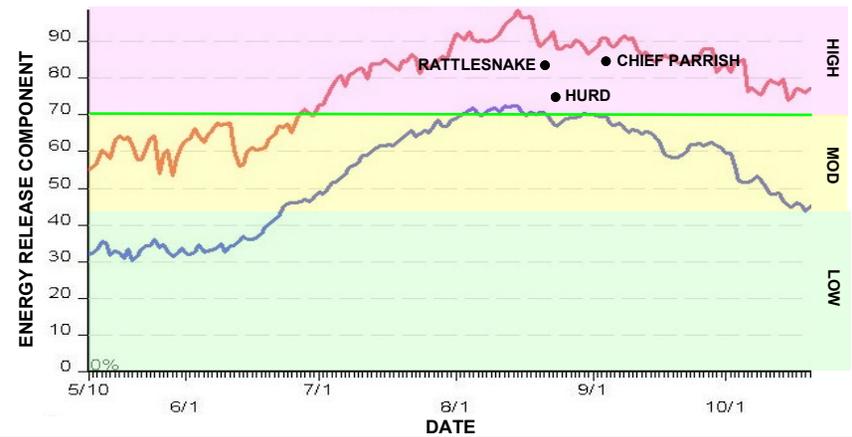
PAST FIRE EXPERIENCE - Weather taken from closest RAWS station

DATE	FIRE NAME	FDRA	SIZE	BI	ERC	TEMP	RH	WIND
08/21/10	HURD	BOISE MTNS	1380	—	73	87	12	6
09/03/07	CHIEF PARRISH	BOISE MTNS	3736	—	84	90	12	4
08/20/06	RATTLESNAKE	BOISE MTNS	43,600	—	83	88	10	4
08/14/11	BLAIR	SNRVR/FTHLS	39,577	47	—	98	7	11
07/18/07	GEM COUNTY	SNRVR/FTHLS	3962	57	—	100	14	12
08/10/06	CHERRY	SNRVR/FTHLS	54,350	51	—	93	12	10
7/6/07	CRUTHCHER CROSSING	OWYHEE	38,124	71	—	102	4	8
8/21/06	CHUBBY SPAIN	OWYHEE	6074	79	—	91	9	5

BOISE MOUNTAINS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 75th PERCENTILE. Data Years: 1987-2011

FUEL MODEL G—Dense Conifer



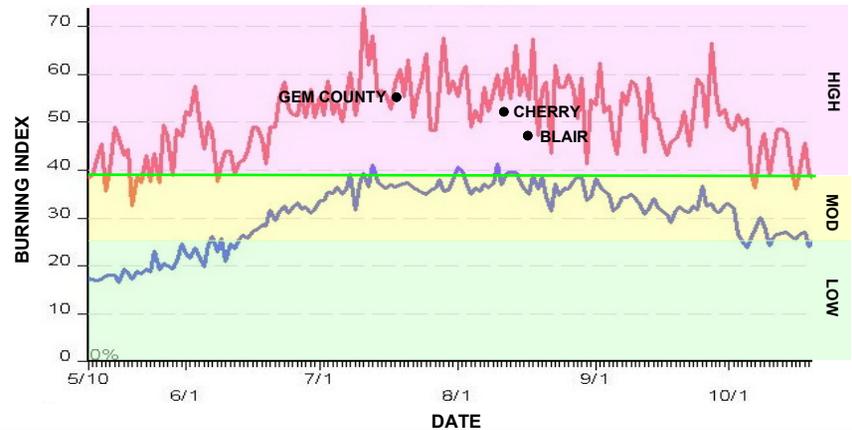
Fire Wx Zones: 403, 421
Wx STATIONS (SIG):
Weiser River, Ski Hill,
Pine Creek, Town Creek,
(Meets NWCG Wx Station Standards)



SNAKE RIVER / FOOTHILLS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 80th PERCENTILE. Data Years: 1990-2011

FUEL MODEL A—Western Annual Grasses

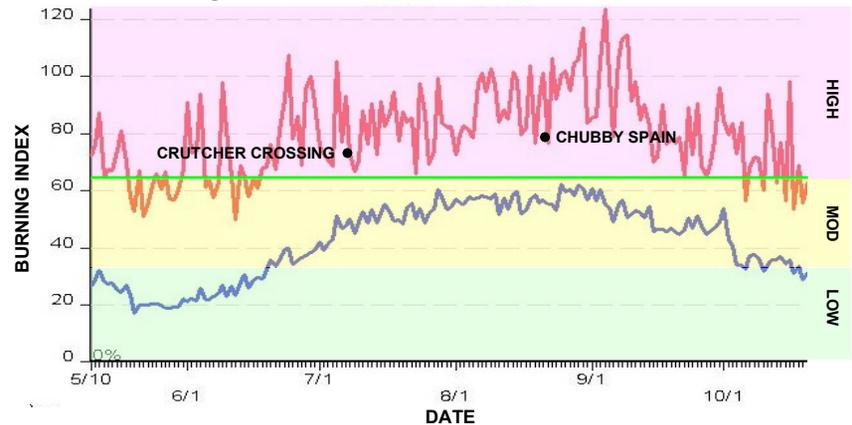


Fire Wx Zones: 400, 420, 424
Wx STATIONS (SIG):
Mountain Home, Horse Butte,
Dead Indian Ridge,
(Meets NWCG Wx Station Standards)

OWYHEE CANYONLANDS FIRE DANGER RATING AREA

MAXIMUM. AVERAGE. 80th PERCENTILE. Data Years: 1990-2011

FUEL MODEL T—Sagebrush, Grass



Fire Wx Zones: 423
Wx STATIONS (SIG):
Owyhee Ridge, Brace Flat,
Triangle,
(Meets NWCG Wx Station Standards)