

Montrose Interagency Dispatch Center

Fire Danger Pocket Card for:

ERC - Fuel Model G - Short-Needle (Heavy Dead)

10/30/2020

Predicted

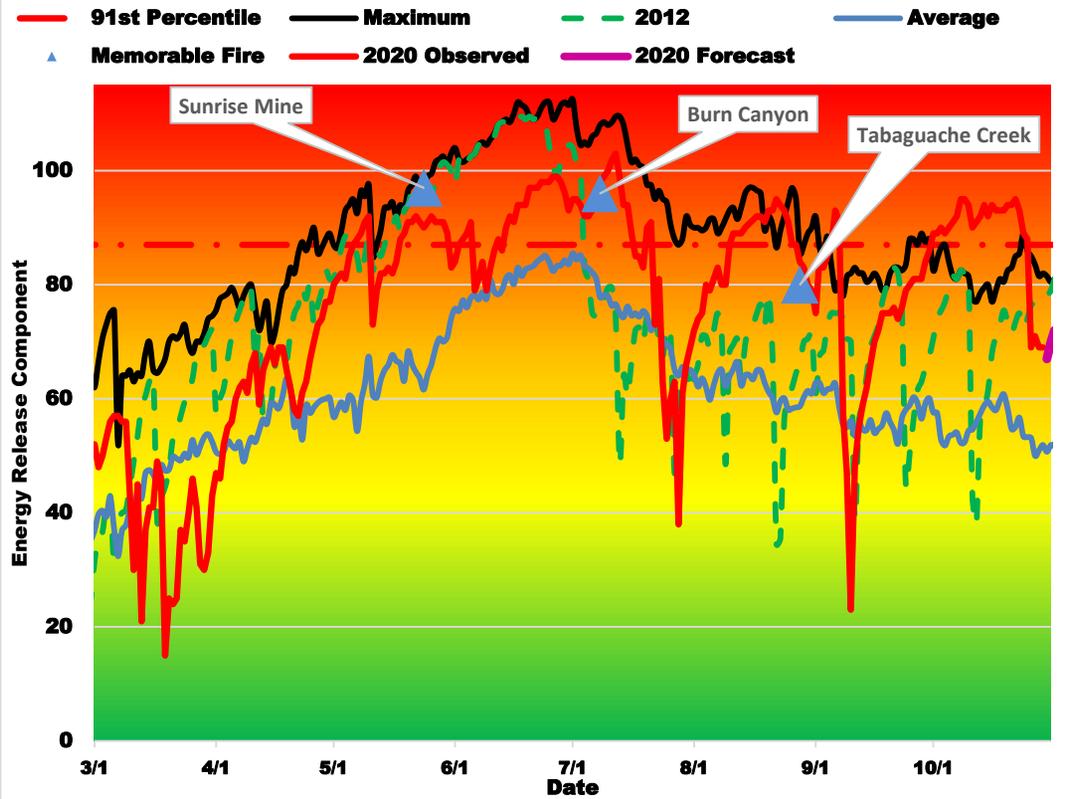
West FDRA Local (Critical) Thresholds & Forecasts: Any of these factors will significantly increase the risk for extreme fire behavior. The more factors present, the greater the risk (Orange highlighted fields in forecast days below). The Severe Fire Weather Potential Index compares ERC and BI percentiles per day and assigns an adjective. Severe conditions only occur when both the ERC and BI are above the 97th percentile for that day. Nearly all large fire days occur under Severe SFWP ratings.

Indicator	Critical Value	10/30	10/31	11/1	11/2	11/3	11/4	11/5
20-ft wind (mph)	10	8	10	7	6	7	8	7
Min. RH (%)	9	49	27	18	17	17	18	17
Max. Temp (°F)	88	61	64	66	67	68	68	69
500+ ac. ERC-g	87	67	70	72	72	72	73	75
500+ ac. BI-g	84	53	67	55	51	54	57	56
Severe Fire Weather Potential Index (wfas.net)		Low	Low	Low	Low	Low	Low	Low

West FDRA (in orange)



West Fire Danger Rating Area large fires generally occur when ERC is 87 or greater in combination with other local threshold values. Valley bottoms in this FDRA rise up to steep mesas and ridges, with fuels ranging from riparian, grasslands, shrublands, and Pinyon/Juniper woodland. Both tamarisk and cheat grass are abundant and can burn with high intensity and high rates of spread. In wet years, cheat grass dominates many of the low elevation areas. Gambel oak can burn intensely when live foliar moisture is less than 95%.



West FDRA Memorable Fires

Fire	Date	Size (ac.)	ERC	BI	RH (%)	Temp (°F)	Wind
Burn Canyon	7/9/2002	30,292	96	75	14	97	7
Sunrise Mine	5/25/2012	5,742	97	124	7	79	16
Tabaguache Creek	8/29/2009	935	80	69	12	91	7

Fires which occurred under similar ERC & BI as forecast this week (Total Acreage Shown)

Fire	Date	Size (ac.)	ERC	BI	RH (%)	Temp (°F)	Wind
Cottonwood	7/15/2011	1	68	68	9	89	9
Happy	9/2/2011	3	65	60	19	90	7
Mckee Draw	6/16/1999	6	70	55	20	85	5
North Creek	5/6/1996	81	66	51	19	90	4

West FDRA Special Interest Group Information

RAWS (in SIG)	Number	Elevation	Data Years	FWZ	Fuel Model
Nucla*	53807	5,820	1998-2014	290	7G
Chapin*	55704	7,126	1994-2014	207	7G

* Station complies with NWCG Weather Station Standards (PMS 426-3)

