

Montrose Interagency Dispatch Center

Fire Danger Pocket Card for:

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

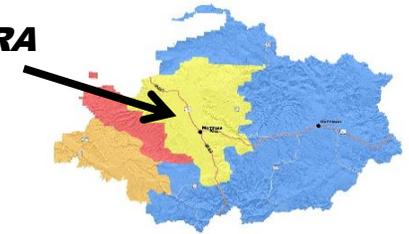
10/30/2020

Predicted

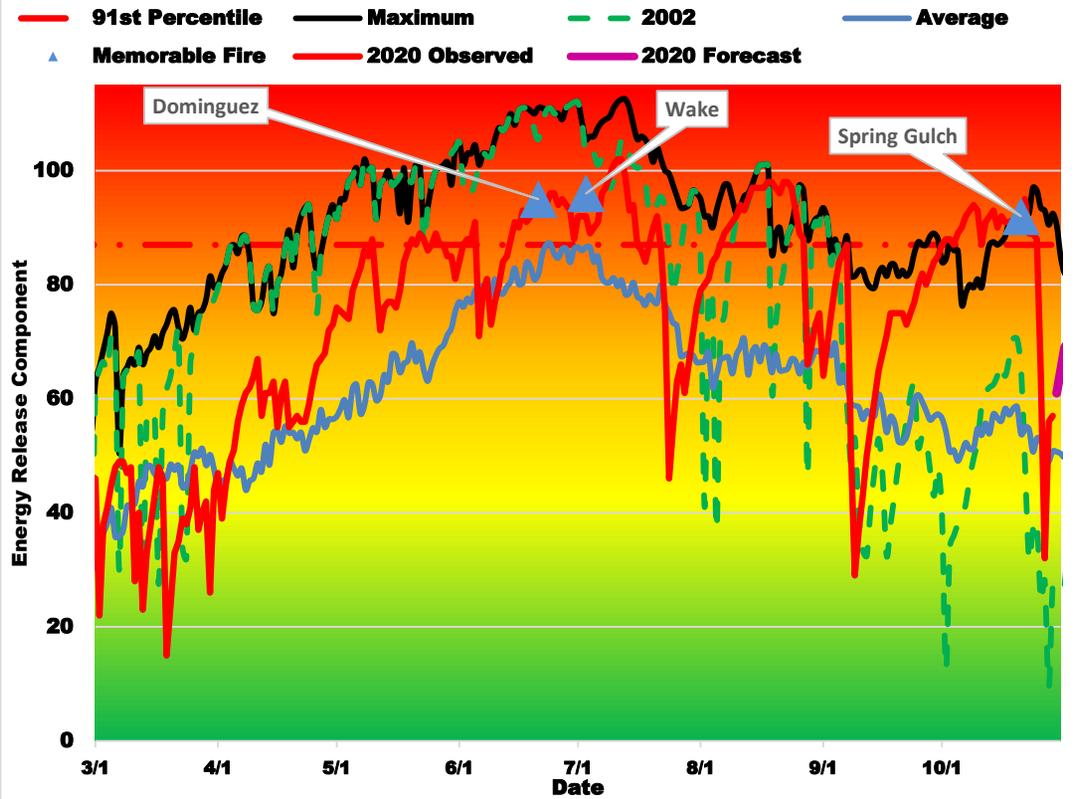
Montrose FDRA Local (Critical) Thresholds & Forecasts: Any of these factors will significantly increase the risk for extreme fire behavior. The more factors present, the greater the risk (Orange highlighted fields in forecast days below). The Severe Fire Weather Potential Index compares ERC and BI percentiles 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	3	5	6	6	7	7	6
Min. RH (%)	10	59	33	25	19	19	20	20
Max. Temp (°F)	88	56	58	62	63	63	63	64
100+ ac. ERC-g	87	61	65	69	70	71	72	73
100+ ac. BI-g	90	35	41	53	50	55	56	52
Severe Fire Weather Potential Index (wfas.net)		Low	Low	Low	Low	Low	Low	Low

Montrose FDRA (in yellow)



Montrose Fire Danger Rating Area large fires generally occur when ERC is 88 or greater in combination with other local threshold values. Terrain primarily consists of river valleys and surrounding gentle slopes and some deep canyons. Fuels ranging from grassland to Gambel oak and PJ can cause rapid fire spread if windspeeds are in excess of 10 mph. Gambel oak live foliar moistures of less than 95% can lead to extreme fire behavior. Drought and frost-kill can also lead to extreme fire behavior throughout the FDRA.



Created by: Brad Pietruszka, CO-SWD

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Montrose FDRA Memorable Fires

Fire	Date	Size (ac.)	ERC	BI	RH (%)	Temp (°F)	Wind
Wake	7/4/1994	3,848	96	126	8	88	16
Dominguez	6/22/2008	95	95	94	6	92	9
Spring Gulch	10/22/2003	198	92	59	7	81	3

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

Fire	Date	Size (ac.)	ERC	BI	RH (%)	Temp (°F)	Wind
Mcgruder	8/28/2000	3	68	58	24	86	6
Dump	8/14/1994	2	62	53	25	88	9
Hubbard	7/30/2006	2	67	53	22	92	5
Fires <1 acre	--	--	--	--	--	--	--

Montrose FDRA Special Interest Group Information

RAWS (in SIG)	Number	Elevation	Data Years	FWZ	Fuel Model
Cottonwood*	53805	7,220	1994-2014	292	7G
Jay*	52704	6,257	1994-2014	292	7G

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

