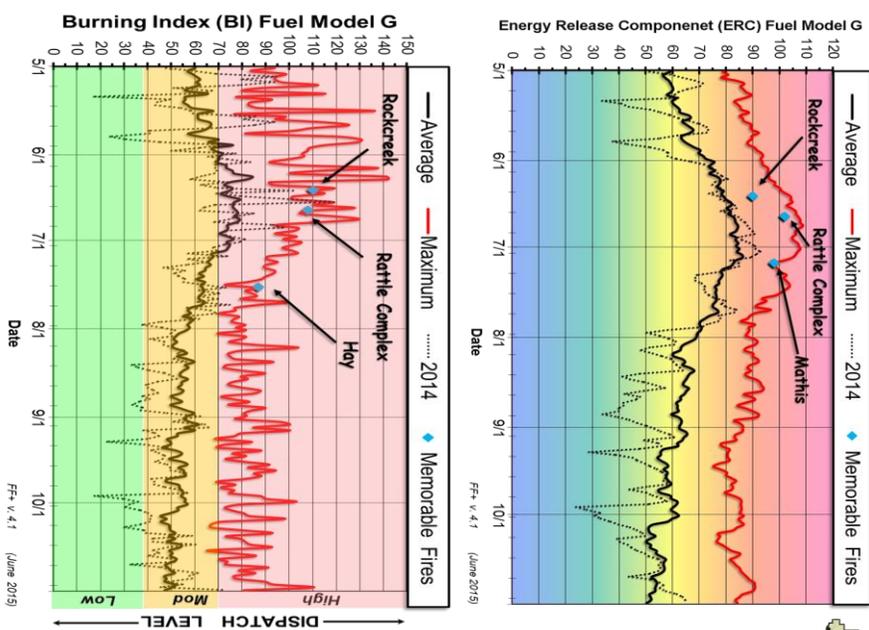
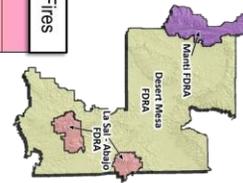


Desert Mesa FDRA

FAWS (in SI/G)	Number	Elevation	Data Years	FWZ	Model
Bain Point *	420912	9700'	1999-2014	484	7G
McCook **	421405	6722'	1999-2014	487	7G
Big Indian *	422711	6960'	1999-2014	491	7G
Kane Gulch *	422712	6500'	1999-2014	491	7G

* These stations comply with NWS/CW Weather Station Standards (FWS 426-3)
95th Percentile = ERC 96



Fire Danger PocketCard

Moab Interagency Fire Center
<http://fam.nwcc.gov/fam-web/pocketcards/>

Fire Danger Interpretation

Preparedness Level	ERC - Model G		
	Desert Mesa	Manti	La Sal Abajo
I	0-33	0-39	0-23
II	34-56	40-57	24-45
III	57-70	58-70	46-65
IV	71-84	71-84	66-84
V	85+	85+	85+

Fire Danger Interpretation

Dispatch Levels	Burning Index - Model G		
	Desert Mesa	Manti	La Sal Abajo
High: Potential for high to extreme intensity. Expect high rates of spread, flame length, and control difficulty. Spotting, torching, and fire whirls likely.	70+ (87 th percentile)	97+ (85 th percentile)	70+ (85 th percentile)
Moderate: Anticipate moderate fire intensity. The BI can change rapidly with variable weather conditions.	39-69	56-96	33-70
Low: Expect low fire intensity. Containment should be attainable. However, always be cautious.	0-38	0-55	0-32

Energy Release Component (ERC) Facts:

- ERC relates to the amount of fuel available to burn, thus the load and dryness of fuel are used in the calculations.
- ERC is not influenced by wind or topography (slope).
- ERC can show good characterization of the fire season by showing the seasonal trend.

Burning Index (BI) Facts:

- BI is an index representing the potential difficulty containing a fire due to flame length (intensity) at the head of the fire
- BI is very sensitive to small fluctuations in wind speed
- BI with Fuel Model G has a very good statistical correlation to large fire occurrence in the Moab interagency dispatch area.

Local (Critical) Thresholds: any of these factors will significantly increase the risk for extreme fire behavior. The more factors present, the greater the risk.

Weather Observations (at the Critical Percentile)	Desert Mesa FDRA	Manti FDRA	La Sal Abajo FDRA
20-ft Wind (mph)	> 15	> 25	> 25
Min. Relative Humidity (%)	< 10	< 15	< 15
Max. Temperature (°F)	> 90	> 80	> 85
Live Fuel Moisture	Sage <100	Fir <100	Oak <100

- Be cautious of a collapsing smoke column (especially when a fire is advancing toward the top of a plateau / mesa). This has resulted in fire shelter deployments (Price Canyon Fire) due to intense (50 mph) winds.
- Wind Gusts exceeding 25 mph for 3 or more consecutive hours is considered Red Flag criteria for this area when the RH is 15% or less.
- Microburst winds are powerful downdrafts from thunderstorms which can seriously affect a fire's intensity and direction from many miles away.

Past Fire Experience

Desert Mesa FDRA

Date	Fire Name	Size (ac)	ERC	BI	RH (%)	Temp (°F)	Wind (mph)
06/13/13	Rockcreek	199	90	110	8	85	15
06/20/02	Rattle Complex	93,835	102	108	9	87	12
07/02/07	Mathis	1,997	98		16	90	6
07/17/05	Hay	135		87	11	94	9

Updated: June 2015