

# Fire Danger Pocket Card

## Durango Interagency Dispatch Center

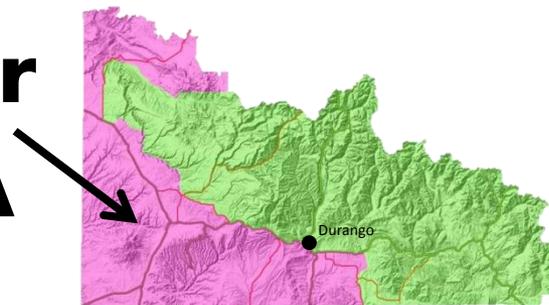
<http://fam.nwcg.gov/fam-web/pocketcards/>

### Past Fire Experience: Lower FDRA

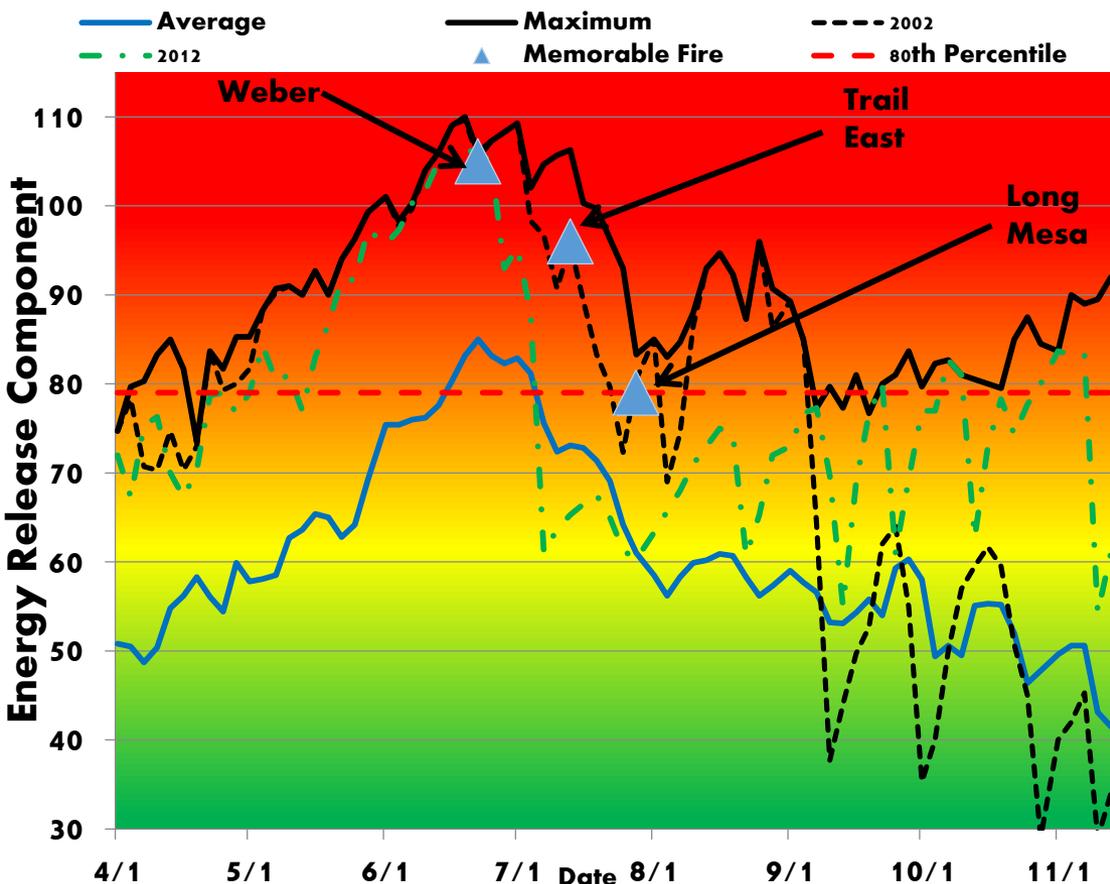
Fires	Date	Size (ac)	ERC	RH (%)	Temp (°F)	Wind (mph)
<b>Weber</b>	6/22/2012	10,133	105	6	90	9
<i>Wind, slope, and fuel driven fire rapidly escaped initial attack in WUI</i>						
<b>Long Mesa</b>	7/29/2002	2,601	79	9	87	5
<i>Fuel driven fire later than historic large fire season end date</i>						
<b>Trail East</b>	7/14/2005	2,381	96	13	92	6
<i>Slope and fuel driven fire in dry monsoon year</i>						

# Lower FDRA

(in purple)



Lower Fire Danger Rating Area problem fires (>40 ac.) can occur when ERC is 62 (Air Park, 2012, 500 acres) or greater in combination with other local threshold values. Lower zone ERC of 77 or greater in combination with other local threshold values has potential for fires to spread beyond 500 acres. 20 foot winds of 7 mph or greater in combination with RH below 13% and ERC's above 77 have led to the largest fires on the unit.



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

Dispatch/Response Level	Lower FDRA
<b>III Heavy</b>	<b>77+</b>
<b>II Medium</b>	<b>59-76</b>
<b>I Light</b>	<b>0-58</b>

ERC gives seasonal trends calculated from 2PM temperature, humidity, daily temperature & RH ranges, and precipitation duration. Wind is **NOT** part of ERC Calculation.

**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 Percentiles)	Lower FDRA (80th percentile)
<b>20-ft Wind (mph)</b>	<b>7</b>
<b>Min. Relative Humidity (%)</b>	<b>13</b>
<b>Max. Temperature (°F)</b>	<b>86</b>
<b>500+ ac. Threshold ERC-G</b>	<b>77</b>

RAWS (in SIG)	Number	Elevation	Data Years	FWZ	Model
Chapin*	055704	7,060	1996-2015	207	7G
Morefield*	055706	7,840	1996-2015	207	7G
Mesa Mtn*	055805	7,300	1996-2015	207	7G

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

