

# California Desert Interagency Fire Program (CA-CDIFP)

## Fire Danger Pocket Cards

<http://famit.nwcg.gov/applications/WIMS/PocketCards/PocketCards>

### Fire Danger Interpretation

Adjective Fire Danger Rating	ERC - Fuel Model G	
	Mojave Desert	Upper Desert
V Extreme	93	93
IV Very High	82	82
III High	58	51
II Moderate	34	34
I Low	>33	>33



### 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/Fuel Thresholds	Mojave Desert	Upper Desert
20-ft Wind (mph)	11	19
Min. Relative Humidity (%)	7	7
Max. Temperature (°F)	94	101
ERC-G (100+ acre)	40	28

### Mojave Desert

- **ERC > 40:** Problem fires can occur in combination with other local threshold values. There is potential for these fires to spread to greater than 500 acres.
- **ERC > 87:** Extreme fire behavior is likely. The largest fires on the unit have occurred at this level in combination with RH below 15% and 20 foot winds greater than 7 mph. More than 50% of all our fires over 500 Acres occur at or above this ERC.
- Fires can move rapidly in fine fuels for much of the fire season. Seasonal grass fuel load is a major factor in large fire growth.

### Upper Desert

- **ERC > 28:** Problem fires can occur in combination with other local threshold values.
- **ERC > 76:** Potential for fires to spread beyond 500 acres increases
- **ERC > 98:** Extreme fire behavior is likely. The largest fires on the unit have occurred at this level in combination with RH below 13% and 20 foot winds greater than 11 mph.
- Fires can move rapidly in fine fuels for much of the fire season. Seasonal grass fuel load is a major factor in large fire growth. More than 50% of all our fires over 500 Acres occur at or above this ERC.

### Mojave Desert Weather Stations

RAWS (in SIG)	WIMS ID	Elevation	Data Years	FWZ	Model
Horse Thief*	045129	5,000	1995-2015		7G
Lost Horse*	045614	4,100	1995-2015		7G
Mid Hills*	045128	5,413	1995-2015		7G

### Upper Desert Weather Stations

RAWS (in SIG)	WIMS ID	Elevation	Data Years	FWZ	Model
Opal Mtn*	045127	3,240	1995-2015		7G
Poppy Park*	045440	2,760	1995-2015		7G
Saddleback Butte*	045444	2,590	1995-2015		7G

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

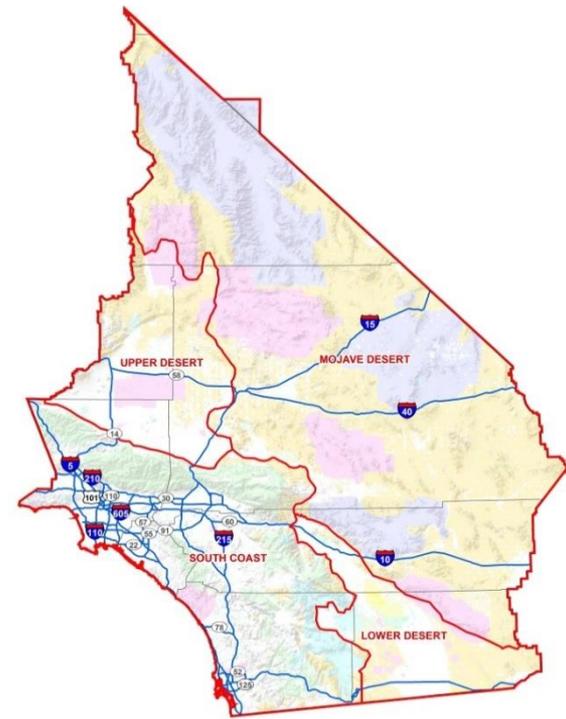
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### Fire Danger Interpretation

Adjective Fire Danger Rating	ERC - Fuel Model G	
	Mojave Desert	Upper Desert
V Extreme	80	101
IV Very High	71	93
III High	51	76
II Moderate	34	61
I Low	>33	>60



### 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/Fuel Thresholds	South Coast	Lower Desert
20-ft Wind (mph)	10	12
Min. Relative Humidity (%)	11	7
Max. Temperature (°F)	98	109
ERC-G (100+ acre)	38	91

### South Coast

- **ERC > 38:** Problem fires can occur in combination with other local threshold values. There is potential for these fires to spread to greater than 500 acres.
- **ERC > 43:** Potential for fires to spread beyond 500 acres increases. More than 50% of all our fires over 500 Acres occur at or above this ERC.
- **ERC > 75:** Extreme fire behavior is likely. The largest fires on the unit have occurred at this level in combination with RH below 8% and 20 foot winds greater than 7 mph.

### Lower Desert

- **ERC > 91:** Problem fires can occur in combination with other local threshold values.
- The largest fire reported in the lower desert was the Indian fire in 2005 at 190 acres.

### South Coast Weather Stations

RAWS (in SIG)	WIMS ID	Elevation	Data Years	FWZ	Model
Acton*	045438	2,600	1995-2015		7G
Cranston*	045603	1,930	1995-2015		7G
Oak Grove Fire*	045710	2,781	1995-2015		7G
Ranchita*	045729	4,415	1995-2015		7G

### Lower Desert Weather Stations

RAWS (in SIG)	WIMS ID	Elevation	Data Years	FWZ	Model
Fish Creek Mtn*	045802	760	1995-2015		7G
Squaw Lake*	045801	280	1995-2015		7G

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

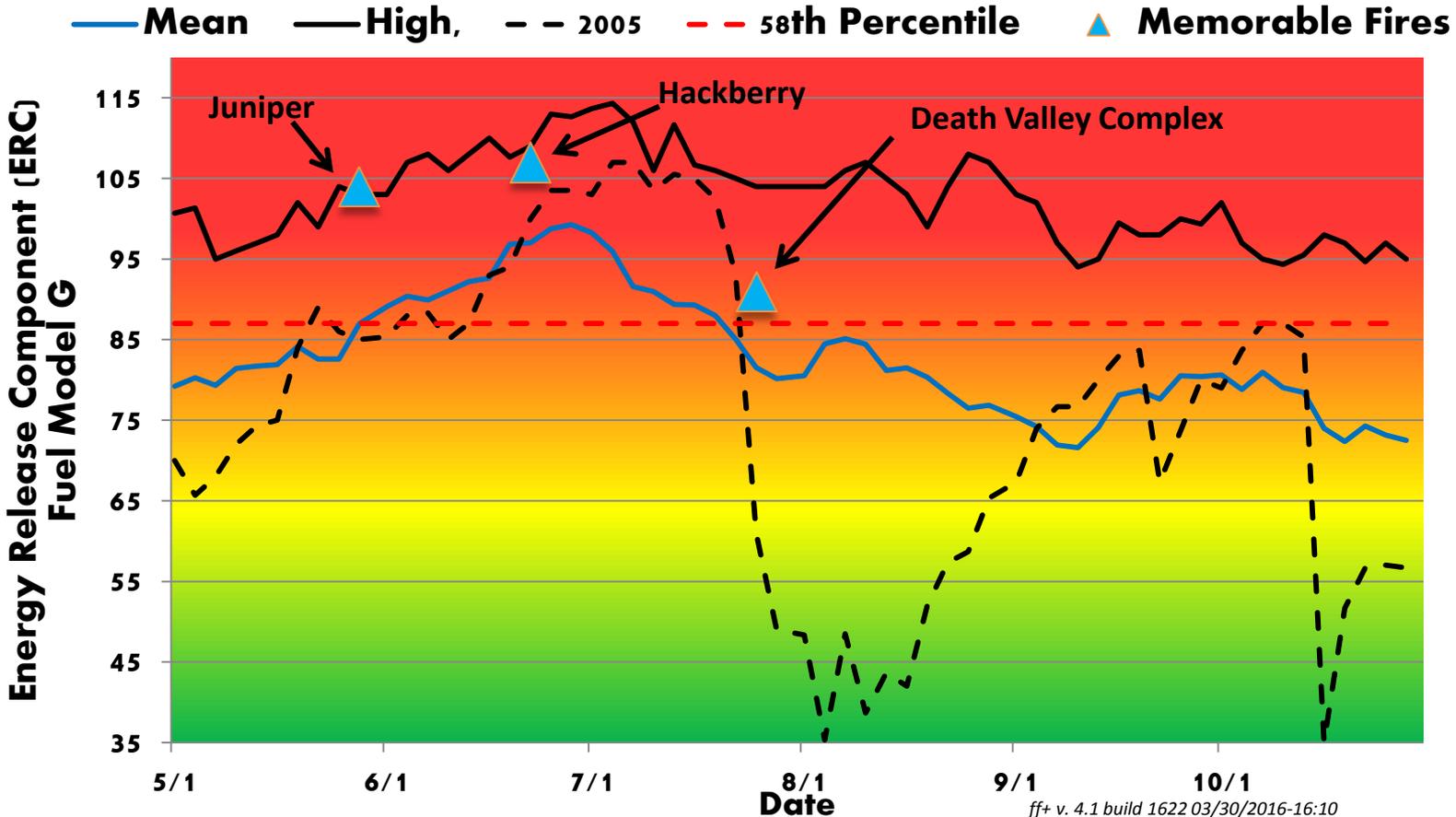
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## Mojave Desert Pocket Card

### Past Fire Experience

### Fire Danger Rating Area: Mojave Desert

Date	Fire Name	Size (ac.)	ERC	RH (%)	Temp (°F)	Wind (mph)
6/22/2005	Hackberry	63,463	107	4	91	10
7/24/2006	Death Valley Complex	9,280	91	6	99	11
5/27/1999	Juniper	14,000	104	4	98	13



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## Upper Desert Pocket Card

### Past Fire Experience

### Fire Danger Rating Area: Upper Desert

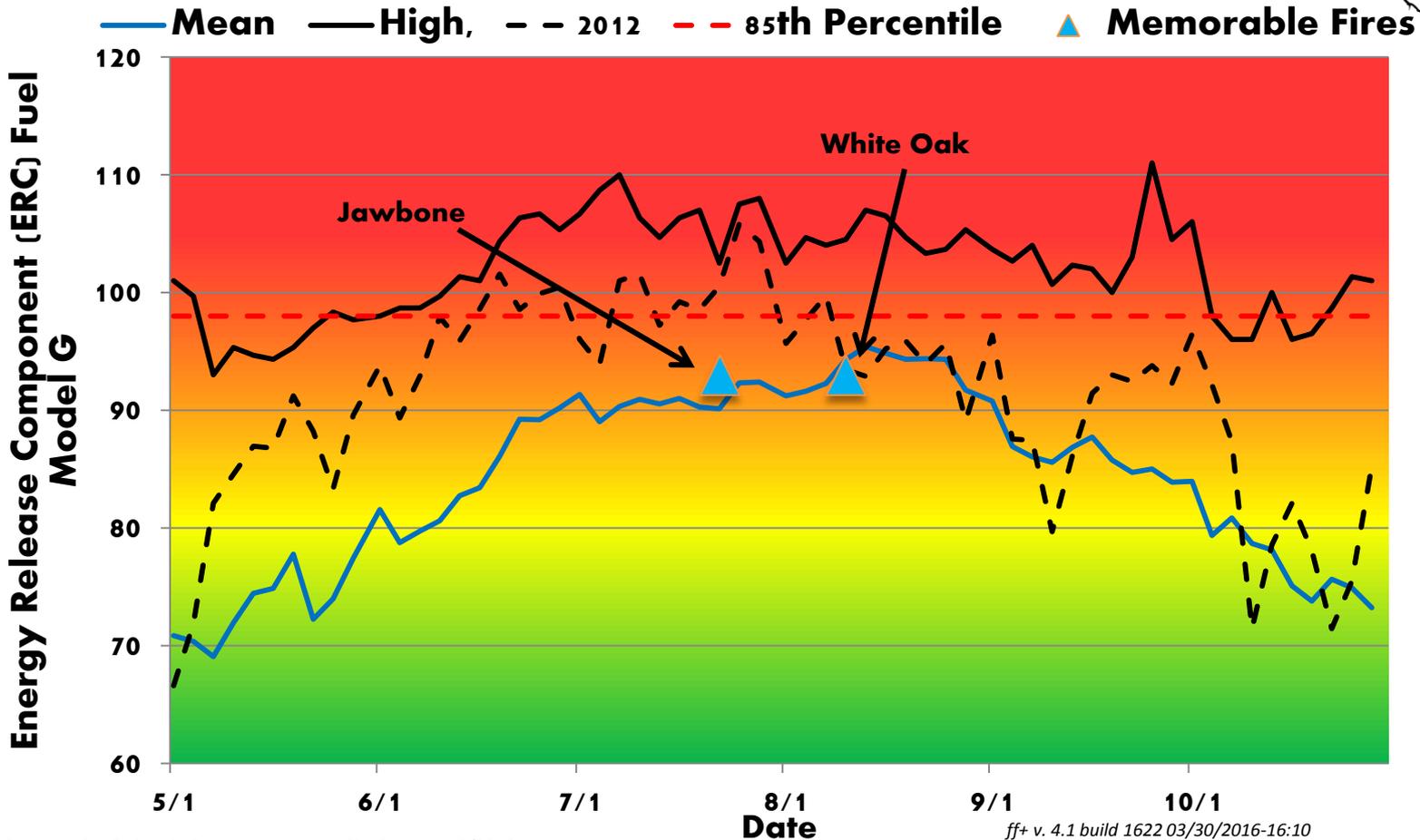
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Date	Fire Name	Size (ac.)	ERC	RH (%)	Temp (°F)	Wind (mph)
8/10/2012	Jawbone	12,018	93	12	92	10
7/23/1996	White Oak	7,150	93	18	89	12



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## South Coast Pocket Card

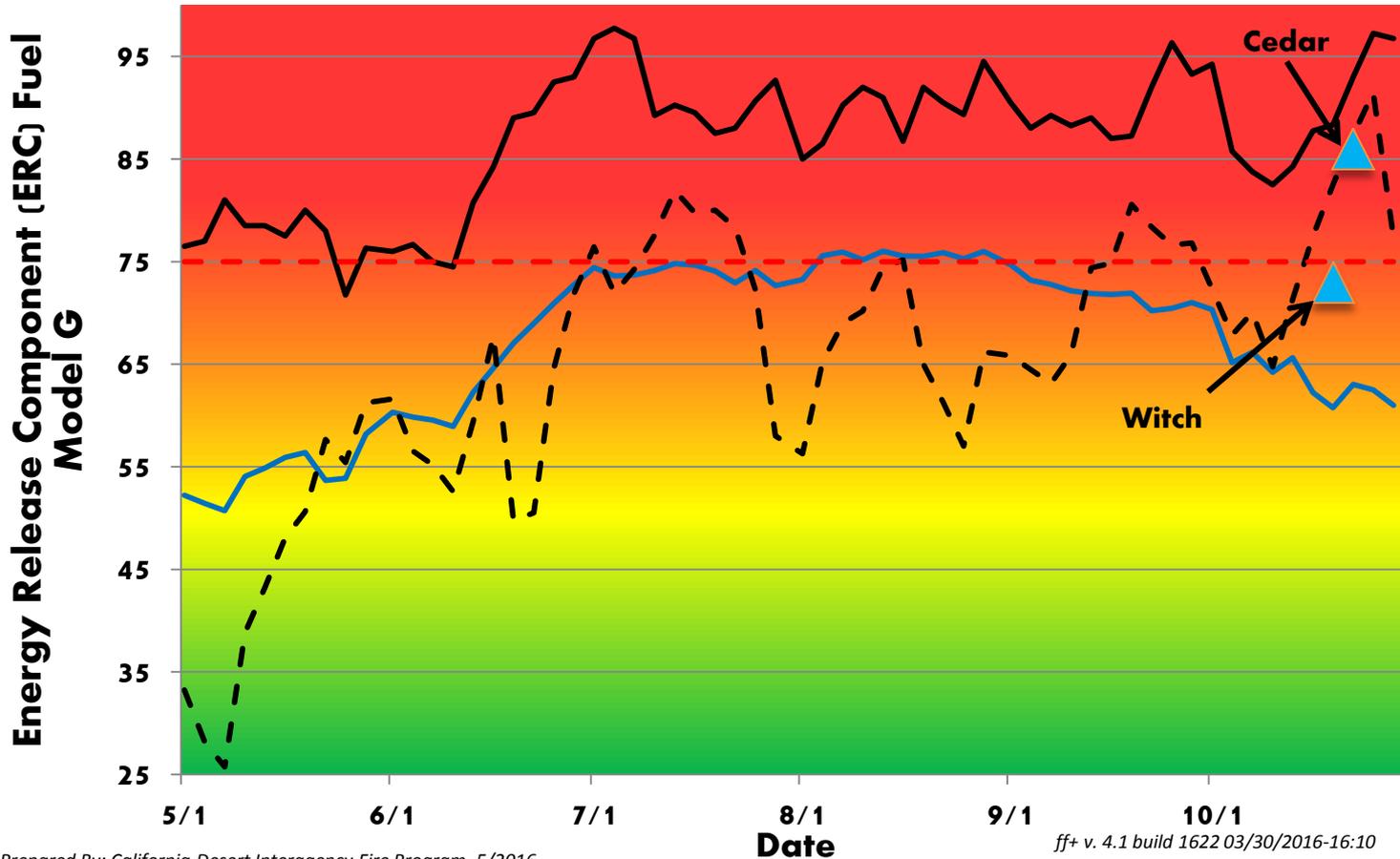
### Past Fire Experience

### Fire Danger Rating Area: South Coast

Date	Fire Name	Size (ac.)	ERC	RH (%)	Temp (°F)	Wind (mph)
10/21/2003	Cedar	281,000	86	8	75	7
10/21/2007	Witch	197,990	73	8	89	13



— Mean — High, - - 2003 - - 68th Percentile ▲ Memorable Fires



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## Lower Desert Pocket Card

### Past Fire Experience

#### Fire Danger Rating Area: Lower Desert

Date	Fire Name	Size (ac.)	ERC	RH (%)	Temp (°F)	Wind (mph)
7/30/2008	Power Line	126	91	22	107	7
9/9/2005	Indian	190	91	13	107	10

