

FIRE DANGER POCKET CARD

Lolo National Forest

Department of Natural Resources and Conservation - NWLO

West – Fire Danger Rating Area

Created on 4/24/15 by Lolo NF

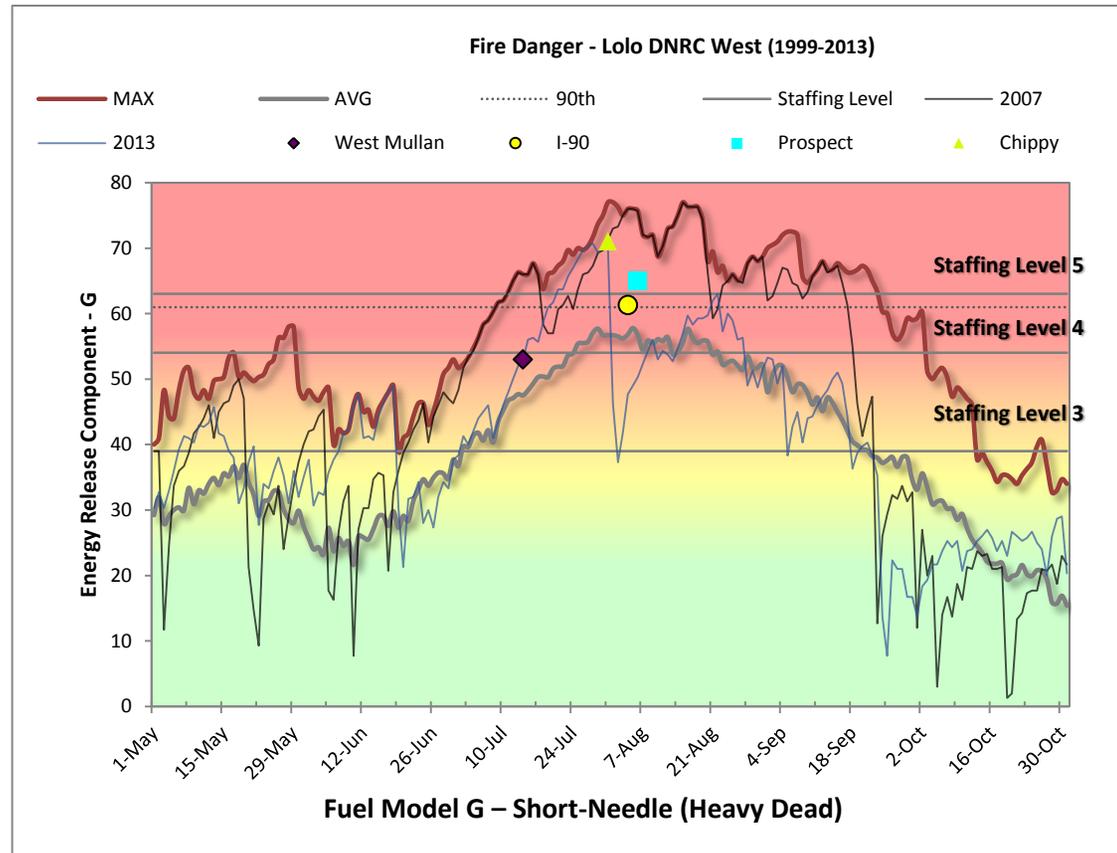


FIRE DANGER INTERPRETATION				
Adjective	Index Range	Staffing Level	Dispatch Level	Historic Large Fire Occurrence
Extreme	ERC 64+	5	3 - HIGH (BI 50+)	32%
Very High	ERC 55-63	4		39%
High	ERC 40-54	3	2 - MOD (BI 30-49)	24%
Moderate	ERC 25-39	2	1 - LOW (BI 0-29)	5%
Low	ERC 0-24	1		0%

Fire Danger – Lolo DNRC West (1999-2013)	
Maximum	Highest Energy Release Component by day
Average	Mean Energy Release Component by day
90 th Percentile	Only 10% of days had an Energy Release Component above this level
Large Fire	A fire with a final size >100 acres

West Lolo NF – DNRC Northwestern Land Office
 Weather Zone: 106
 SIG: WESTFDRA - St. Regis, Ninemile, Plains (equal weighting)
 *All stations on this card comply with NWCG weather standards

REMEMBER – What Fire Danger tells you:
<ul style="list-style-type: none"> Energy Release Component gives seasonal trends calculated from 1400 temperature and humidity, daily temperature & relative humidity ranges, and daily precipitation duration Wind is NOT part of the ERC calculation Pay attention to local conditions and variations across the landscape; Fuel, Weather, Topography Listen to weather forecasts, especially WIND Drainages may be susceptible to local winds and potential microbursts Fire Danger is calculated for the lowest and driest part of the zone (worst case)
LOCAL THRESHOLDS – historically large fires have occurred under the following conditions:
<ul style="list-style-type: none"> Relative Humidity <25% Temperature >80 degrees 20-foot Wind Speed >10 mph 1000-hour fuel moisture <12%
WATCH OUT – when dry fuels are combined with any of the following:
<ul style="list-style-type: none"> Alignment of Wind and Slope Haines Index of 5 or 6 Dry Cold Front Passage - Strong winds combined with Low Relative Humidity



West Mullan, human caused early season fire w/ ERC tracking the 2007 season. Burned aggressively upslope in flashy fuels & established in upper slope timber. Spotting significant factor to fire spread. Conditions displayed below contributed to fire growth during initial attack.

West Mullan Wind: 15 mph Temp: 90 degrees RH: 15% 6282 total acres

FIRE DANGER POCKET CARD

Lolo National Forest
 Department of Natural Resources and Conservation - SWLO
East – Fire Danger Rating Area

Created on 4/24/15 by Lolo NF

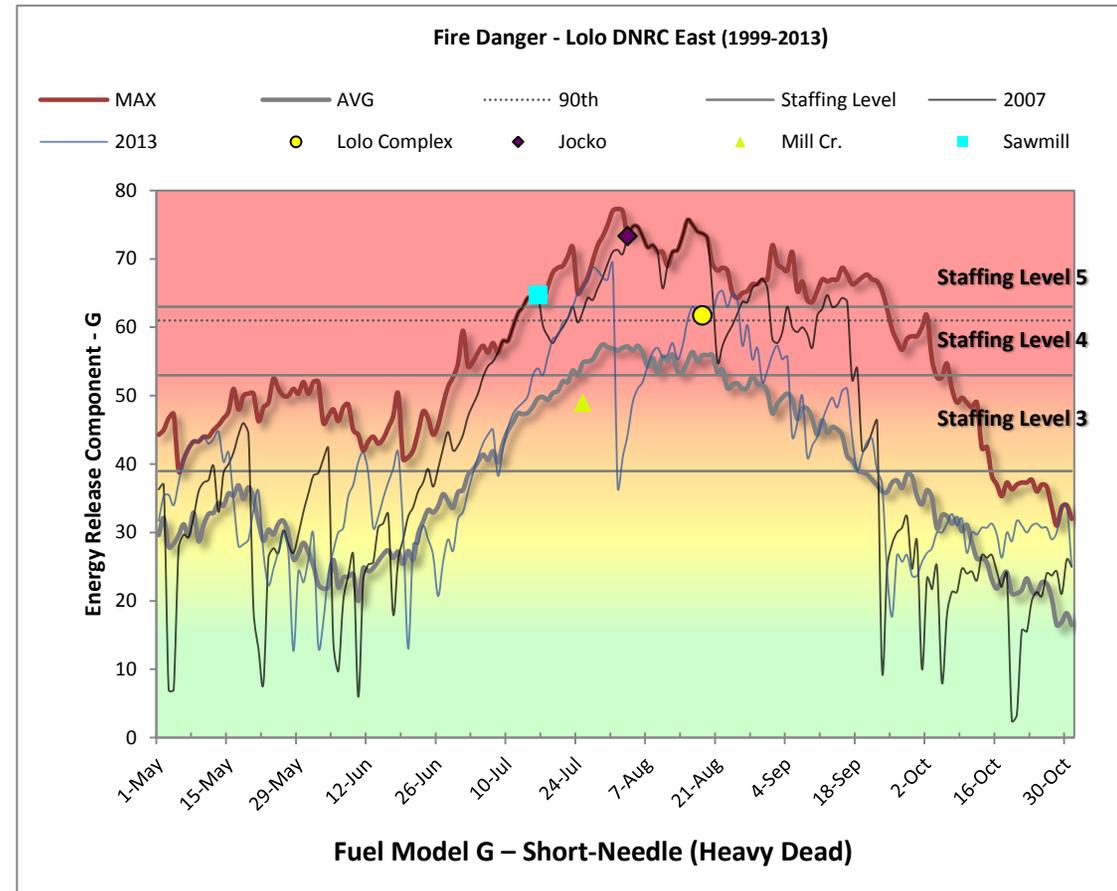


FIRE DANGER INTERPRETATION				
Adjective	Index Range	Staffing Level	Dispatch Level	Historic Large Fire Occurrence
Extreme	ERC 64+	5	3 - HIGH (BI 50+)	36%
Very High	ERC 54-63	4		39%
High	ERC 40-53	3	2 - MOD (BI 30-49)	17%
Moderate	ERC 27-39	2	1 - LOW (BI 0-29)	6%
Low	ERC 0-26	1		2%

Fire Danger – Lolo DNRC East (1999-2013)	
Maximum	Highest Energy Release Component by day
Average	Mean Energy Release Component by day
90 th Percentile	Only 10% of days had an Energy Release Component above this level
Large Fire	A fire with a final size >100 acres

East Lolo NF – DNRC Southwestern Land Office
 Weather Zone: 108
 SIG: EASTFDRA - Ninemile, Seeley Lake, Blue Mtn. (equal weighting)
 *All stations on this card comply with NWCG weather standards

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LOCAL THRESHOLDS – historically large fires have occurred under the following conditions:
<ul style="list-style-type: none"> Relative Humidity <25% Temperature >80 degrees 20-foot Wind Speed >10 mph 1000-hour fuel moisture <12%
WATCH OUT – when dry fuels are combined with any of the following:
<ul style="list-style-type: none"> Alignment of Wind and Slope Haines Index of 5 or 6 Dry Cold Front Passage - Strong winds combined with Low Relative Humidity



Lolo Complex escaped initial attack by aviation & ground resources during the 2nd burn period with a combination of roll out, high temperatures, low relative humidity, high Haines Index and wind speeds greater than 30 miles per hour. Conditions displayed below contributed to fire growth during initial attack.

Lolo Complex Wind: +30 mph Temp: 90 degrees RH: 15% 10,700 total acres