

2014 Annual Fire Weather Report

NWS – Eureka, CA



Lodge Fire - Near Laytonville, CA

August, 2014

NWS – EUREKA

RED FLAG WARNING VERIFICATION 2014

A = Number of Correct Warnings	POD (Probability of Detection) = $A / (A+C)$
B = Number of Incorrect Warnings	FAR (False Alarm Rate) = $B / (A + B)$
C = Number of Missed Events	CSI (Critical Success Index) = $A / (A + B + C)$

2014 RED FLAG WARNINGS

	WIND/RH	LIGHTNING	TOTAL
RED FLAG WARNINGS	9	17	26
CORRECT WARNINGS	9	7	18
INCORRECT WARNINGS	0	8	8
MISSED WARNINGS	0	2	2
POD	100%	77%	88%
CSI	100%	41 %	71 %
FAR	0 %	53 %	26%
LEAD TIME	Ave. 19.5 hr	Ave. 16.9 hr	Total Ave. 18.2 hr

2014 FIRE WEATHER WATCHES

	WIND / RH	LIGHTNING	TOTAL/AVE.
NUMBER OF FIRE WEATHER WATCHES	5	11	16
NUMBER OF VERIFIED WATCHES	5	3	8
AVERAGE LEAD TIME OF VERIFIED WATCHES	50.4 hr	64.0 hr	57.2 hr

SPOT FORECASTS ISSUED BY NWS - EUREKA 2014

WFO Eureka issued a total of 291 spot forecasts during the calendar year 2014 with an average turn-a-round time of 31.4 minutes.

Prescription Burn: 213

Wildfire: 76

SAR: 1

Hazmat: 1

TYP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	SPOT	TMIN
PRE	19	39	16	12	5	3	1	0	0	56	40	22	213	28.6
WIL	8	0	0	0	2	1	15	48	2	0	0	0	76	34.8
WFU	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SAR	0	0	0	0	0	0	0	0	0	1	0	0	1	18.0
HAZ	0	0	1	0	0	0	0	0	0	0	0	0	1	53.0
TES	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOT	27	39	17	12	7	4	16	48	2	57	40	22	291	31.4

WFO EUREKA - INCIDENT METEOROLOGIST (Jeff Tonkin) DISPATCHES 2014

Incident	Location	Dates	NWS-CWA
Shirley Fire	Kernville, CA	6/18 - 6/24	Hanford, CA
Bingham Ridge Fire	Three Sisters, OR	7/13 - 7/16	Portland, OR
Ochoco Complex	Prineville, OR	7/16 - 7/26	Portland, OR
Camp Creek Complex	Eagle Point, OR	8/1 - 8/6	Medford, OR
Happy Camp Complex	Happy Camp, CA	8/19 - 9/2	Medford, OR
Bald Hills Fire	Hoopa, CA	9/12 - 9/17	Eureka, CA

IMET / FIRE WEATHER ACTIVITIES 2014

Assignment	Location	Date(s)	Agency Served	Representative
Fire Wx Cooperative Agreement	Hobart, Tazmania	Jan 30 – Mar 15	Australia Bureau of Meteorology	Jeff Tonkin
RT 130	SRF Headquarters	Mar 18	NWS	Alex Dodd
CA AOP Meeting	McClellan	Mar 19-20	Multi Agency	Nancy Dean
Fire Wx Talk	Eureka, CA	Apr 1	Merchant Marines	Jeff Tonkin
User Meeting	Willows, CA	Apr 2	MNF	Jeff Tonkin
CFMA	Eureka, CA	Apr 9	Multi Agency	Jeff Tonkin
IMET Workshop	Eureka, CA	Apr 14-17	NWS	Jeff Tonkin
Klamath Fire Ecology Sy.	Orleans, CA	Apr 15-17	Multi Agency	Shawn Palmquist / Doug Boushey
RT 130	Eureka, CA	Apr 21	Multi Agency	Jeff Tonkin
Fire Science Symposium	RNP – Orick, CA	Apr 23	Multi Agency	Ryan Alyward / Shawn Palmquist
User Meeting	Redding, CA	May 1	Shasta - T	Jeff Tonkin
User Meeting	Redding, CA	May 12	Sierra Pac. Indust.	Jeff Tonkin
User Meeting	SRF Headquarters	June 4	Multi Agency	Jeff Tonkin
User Meeting	Crescent City Fire	June 7	Multi Agency	Jeff Tonkin
TREX	RNP – Orick, CA	Oct 13	Multi Agency	Jeff Tonkin
Fire Weather Class	Eureka, CA	Oct 17	Humboldt State	Jeff Tonkin
S 290	Booneville, CA	Dec 6	CAFire	Jeff Tonkin