

# **Incident Action Plan**

## **Beaver Fire**

**CA-KNF-005497**

**P5H93T (0505)**




### **Night Shift**

**08/07/14 – 08/08/14**

**1800 - 0600**

<b>INCIDENT OBJECTIVES</b>	1. Incident Name <b>Beaver</b>	2. Date 8/7/2014	3. Time 11:57
4. Operational Period 08/07/2014 - 08/08/2014 1800 - 0600			
5. General Control Objectives for the Incident (Include alternatives)  <b>MANAGEMENT OBJECTIVES</b> <ul style="list-style-type: none"> <li>• Ensure firefighter and public safety in all incident activities. Adhere to all safety standards and implement appropriate risk analysis</li> <li>• Protect values at risk to include watershed, Late Successional Reserve, cultural resources, private timber lands and recreation sites</li> <li>• Coordinate with Forest to maintain timely and accurate communications with communities, county officials and stakeholders.</li> <li>• Effectively manage incident costs by planning strategies and tactics toward a high probability of success.</li> </ul> <b>OPERATIONAL OBJECTIVES</b> <ul style="list-style-type: none"> <li>• Keep the fire: <ul style="list-style-type: none"> <li>○ North of Highway 96</li> <li>○ East of Deer Camp Meadows</li> <li>○ West of Lumgrey Creek Drainage</li> <li>○ South of Beaver / Dead Cow Creek Canyon</li> </ul> </li> </ul>			
6. Weather Forecast for Period  <b>See attached forecast</b>			
7. General Safety Message  <b>See attached safety message</b>			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Safety Message	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/> LCES Worksheet	
9. Prepared by (Planning Section Chief) Patrick Farrell 	10. Approved by (Incident Commander) Matt Johnson 		

# ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b> <b>Beaver</b>		<b>2. Operational Period:</b> Date: 8/07/2014 - 8/08/2014 Time: 1800 To 0600	
<b>3. Incident Commander(s) and Command Staff:</b>		<b>7. Operations Section:</b>	
Incident Commander	Matt Johnson	Day Ops Chief	Daren Dairymple/Eric Petterson (t)
Deputy IC	Joe Molhoek	Night Ops Chief	Dan George
Liason Officer	Tim Fike	Planning Ops	Dale Shippelhoue
Information Officer	Adrienne Freeman / Corey Wilford (t) Andrea Capps (t)		
Safety Officer	Steve Davis / James Courtright (t)	<b>Branch</b>	
<b>4. Agency/Organization Representatives:</b>		Division/Group	A / C Escobedo / Willy (t)
Agency/Organization		Division/Group	T / U Frank / Munn (t)
Agency Administrator	Patty Grantham	Division/Group	W Varnedoe / Halleran (t)
Agency Admin Rep.	Lance Noxon	Division/Group	V Jewers
Fruitgrowers Timber	Terry Salvestro	Division/Group	
Michigan Cal	Chris Chase	Division/Group	
County OES	Ron Quigley	Division/Group	
Siskiyou Co. Sheriff	Corporal Weed	Division/Group	
Cal Fire	Steve Curley	Division/Group	
CalTrans	Ryan Gomes	Division/Group	
		<b>Branch</b>	
		Division/Group	
<b>5. Planning Section:</b>		Division/Group	
Chief	Patrick Farrell	Division/Group	
Deputy	Jeff Buscher (t)		
Resources Unit	Roberta Lim (t) / Duane Miller (t)	Division/Group	
Situation Unit	Matt Brown / Keith Flood (t)/ John Owen (t)	Division/Group	
Demobilization Unit	Dean Lutz / Michael Young (t)		
Training Specialist	Brad Smith	<b>Branch</b>	
Computer Tech Spec	Shane Neal	Division/Group	
GISS	Melanie Kerr, Kevin Roehrs, David Benitez, Mark Grupe	Division/Group	
Fire Behavior Analyst	Ken Larson, Brian Ebert (t)	Division/Group	
IMET	Andy Haner	Division/Group	
<b>6. Logistics Section:</b>		<b>Air Operations Branch</b>	
Chief	Jack Costello	Air Ops Branch Dir.	Dennis Kuster
Deputy	Aaron Lowe	Air Support Group Supervisor	Staci Dickson / Jim Gould (t)
Supply Unit	Tracey Valentine	Air Tactical Group Supervisor	Jason Withrow
Facilities Unit	Ric Crowther	<b>8. Finance/Administration Section:</b>	
Ground Support Unit	John Fell	Chief	Beth Lopez
Communications Unit	Don Stoner	Deputy	Richard Anderson
Medical Unit	Patrick Young	Time Unit	Penny Portlock / Juanita Cortez
Food Unit	Kevin Browning	Procurement Unit	
		Comp/Claims Unit	Tina Kennedy
		Cost Unit	Sam Rapphahn
<b>9. Prepared by:</b> Name: Roberta Lim		Position/Title: RESL (t)	
ICS 203	IAP Page	Date/Time: 08/06/14 1230	 Signature





# INCIDENT Weather Forecast



FORECAST NO: 8

NAME OF FIRE: Beaver Fire

PREDICTION FOR: Thursday NIGHT Shift

UNIT: Klamath National Forest

SHIFT DATE: August 7, 2014

SIGNED: Andy Haner

TIME AND DATE

Incident Meteorologist

FORECAST ISSUED: 08/07/2014 at 1100 PDT

**WEATHER DISCUSSION:** A weak upper level high pressure ridge will drift across the Beaver Fire tonight, leading to a seasonably warm and dry air mass. North-northwest winds early this evening will settle down late this evening, leaving light downslope and downvalley winds overnight.

## WEATHER FORECAST:

### Tonight:

**Weather:** Mostly Clear.

**Low Temperature...** 56-61

**Max RH.....** Fair Recovery...60-72%

### **20-FOOT WINDS:**

**Canyons.....** Beaver Creek this evening...North-northwest 8-12 mph with gusts to 20 mph.

Otherwise and elsewhere, downslope/downcanyon wind 2-6 mph

**Ridgetop.....** North-northwest 8-12 mph this evening, easing to 2-4 mph overnight.

**CWR (>=0.10")....**0%

**LAL....**1 (No Lightning)

**Haines Index....**4 (Low)

### Outlook for Friday:

**Weather:** Sunny in the morning, then turning partly cloudy in the afternoon.

**High Temperature...** 92-96 canyon bottom, 80-85 mid-upper slopes (1-3 degrees cooler than Thursday)

**Min RH.....** 15-20% canyon bottoms, 20-26% high elevations (Little Change from Thursday)

### **20-FOOT WINDS:**

**Canyons.....** Light in the morning, becoming upslope/upcanyon 6-9 mph early in the afternoon. In

Beaver Creek drainage, becoming north-northwest 7-10 mph after 1600 PDT.

**Ridgetop.....** North-northwest 5 mph in the morning, increasing to 8-12 mph by early evening with gusts near 20 mph.

**CWR (>=0.10")....**0%

**LAL....**1 (No lightning)

**Haines Index....**4 (Low)

### EXTENDED OUTLOOK for Saturday through Monday:

A weak upper level low will move to near the Bay Area on Saturday, then pull up stationary on Sunday and Monday. Over northwest California, the southeast winds aloft will pump monsoon moisture into the area, posing the possibility of a significant lightning event around Sunday and Monday.

**Saturday through Monday...**Mostly Sunny mornings, then partly cloudy afternoons and evenings. A thunderstorm is possible on Saturday, with lightning becoming more widespread on Sunday and Monday. Lows 56-61. Highs 93-98 canyon bottom, 82-87 mid-upper slopes. Min RH 16-24%. North-northwest wind up to 12 mph, peaking during the late afternoon and evening with gusts near 20 mph.



# FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 12	<b>TYPE OF FIRE:</b> Wildland Fire
<b>FIRE NAME:</b> Beaver	<b>OPERATIONAL PERIOD:</b> Aug. 7, 1800 – Aug. 8, 2014, 0600
<b>DATE ISSUED:</b> August 7, 2014	<b>TIME ISSUED:</b> 1100
<b>UNIT:</b> Klamath NF	<b>SIGNED:</b> /s/ Brian Ebert, FBAN(t)

## INPUTS

**WEATHER SUMMARY:** \*\*\*See Attached Fire Weather Forecast\*\*\*

### Discussion:

A weak upper level high pressure ridge will drift across the Beaver fire tonight, leading to a seasonably warm and dry air mass. North-northwest winds early this evening will settle down late this evening, leaving light downslope and downvalley winds overnight.

**Min Temp:** 56-61°      **Max RH:** 60-72%      **LAL:** 1 (No Lightning)  
**Winds (Canyons):** Beaver Creek N-NW 8-12 mph, gusts to 20 mph, otherwise and elsewhere, downslope/down canyon 3-6 mph.  
**(Ridgetop):** North-northwest 8-12 mph evening then easing to 2-4 mph after midnight.

## FIRE BEHAVIOR

### GENERAL

Fuels continue to significantly contribute to fire behavior potential due to long term drought conditions in California. Energy Release Component for both Oak Knoll and Collins Baldy RAWs are running at or above the 90<sup>th</sup> percentile. August 6 Oak Knoll ERC: 69; Collins Baldy ERC: 73.

Locally Fuel Moisture Measurements: 1000 hour fuel moisture < 7% (Down 1% from 7/15)  
Live Fuel Moisture < 78% (Down 20% from 7/15).

Early in the shift, fire behavior has been active as the inversion breaks by 1500 and fire activity is well established. The burn period has lasted into the early morning hours of the shift until approximately 0200 hours. Continued fire spread has been observed even with humidity being near 70%. Expected spread rates 9 ch/hr in timber fuels and up to 40 ch/hr in brush at the height of the burn period. Any crown fire activity will increase rates of spread and promote spotting ahead of the main fire. Flame lengths 8 to 15 feet reducing to < 2 feet overnight.

Early in the shift, expect spotting distances up to 1/3 mile with Probability of Ignition near 60%. As humidity increases through the night spot distance should reduce to less than 1/10 mile and < 20% Probability of Ignition.

### SPECIFIC FIRE BEHAVIOR

**Division A/C:** Fire in Doggett Creek continues to spread upslope toward Christmas Tree and Buckhorn ridges. The greatest fire activity should occur within Doggett Creek due to the combination of heavy fuels and intense fire activity promoting the greatest potential fire spread and spotting ahead of the main fire; especially with stronger windspeeds. Downslope winds anticipated after 1800 will slow spread to < 1 ch/hr overnight. Continued smoldering activity will continue along Hwy 96 with downhill spread where uncontrolled line remains. Rollout remains a concern on steep slopes.

**Division T/U:** Lateral spread continues to spread at approximately 10 chains over the entire burn period with mostly surface fire activity and occasional torching activity. Downslope winds are favorable overnight.

**Division W/V:** Fire activity in Cougar Gulch is slowly spreading downhill toward Hwy 96. Yesterday's fire moved, approximately 5 chains over a 24 hour period. Fuels transition to grass and small shrubs along the Highway which should assist with modifying fire activity with increasing moisture content in fine fuels late into the night. Unburned islands continue to smolder and consume in Beaver Creek drainage.

## AIR OPERATIONS

Aircraft should be able to assist with supporting ground personnel up until sunset. With N-NW winds forecasted, the west flank will have best visibility. 08/07 Sunset: 20:21 08/08 Sunrise: 06:12

## SAFETY

Snags continue to fall and pose a risk to firefighter safety while engaging in fire suppression operations. Oak trees in the lower elevations are notorious for being weakened from fire activity; watch out for breaking limbs and falling trees. Take the time to assess work areas when mopping up as intense fires in the duff material may have weakened root systems making it easier for trees to uproot; especially in the mixed conifer fuels.



# Fuels and Fire Behavior Advisory

## Northern California

July 23, 2014



**Subject:** Long term drought conditions along with hot and dry weather have led to very low live and dead fuel moistures. Weather and fuels conditions are contributing to active to extreme fire behavior and above normal large fire potential for Northern California.

**Discussion:** The extremely dry and warm conditions of April, May and June combined with the extreme to exceptional drought conditions have led to low live and dead fuel moistures. Lack of winter snow cover exposed much of the upper elevation fuels to drying conditions weeks and even months sooner than normal. Grasses have fully cured across low and middle elevations and have begun curing at upper elevations.

**Difference from normal conditions:** Live and dead fuel moistures are approximately 6 weeks ahead of normal and typical of mid-August. Extreme to exceptional drought, the highest levels on the Drought Monitor system now cover nearly the entire North state. Live fuel moistures never reached typical seasonal maximums and are rapidly moving toward critical levels. All timelag classes of dead fuels are at moisture levels that allow for easy ignition and rapid spread.

### Concerns to Firefighters:

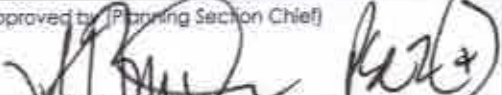
- **Expect fires to ignite easier and spread faster due to low live and dead fuel moistures.** Recent fires have shown almost complete consumption of large dead fuels. **Expect higher probability of ignition and increased spotting** due to increased amount of receptive and available surface and aerial fuels.
- Energy Release Component (ERC) is a good indicator of seasonal drying trends. **Current ERC values are reaching maximum seasonal values or setting record highs** for all Predictive Service Areas (PSA) with the exception of the North Coast PSA. **Anticipate increased spread rates and active night time burning.**
- Anticipate higher resistance to control in all fuel types. **When critical fire weather conditions exist expect active to extreme fire behavior.**


### Mitigation Measures:

- Firefighters should acknowledge and prepare for fire growth and fire behavior that may exceed anything they have experienced before due to the extreme drought. **Normal strategies and tactics may need to be adjusted to account for the drought factor. Suppression actions need to be based on good anchor points, lookouts, communications, escape routes, and safety zones.**
- Local and incoming fire personnel need to be aware that fire behavior is exceeding normal expectations for this time of the year. **Local briefings need to highlight specific fire environment conditions including local weather forecasts, Pocket Cards, ERC's, live and dead fuel moistures, and special fuel conditions such as mortality, Sudden Oak Death and frost killed brush, etc.**
- Base all actions on current and expected behavior of the fire. **Augment initial attack resources as incident activity dictates.**
- Review the most current Northern California 7-day Significant Fire Potential along with Daily, Monthly and Seasonal Outlooks at: [Predictive Services Outlooks & Fire Potential](#)

**Area of Concern:** The area of concern is Northern California exception of North Coast PSA. A map showing the areas of concern described in this advisory can be found at: [National Fuels & Fire Behavior Advisories](#)




<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>A / C</b>				
3. Incident Name <b>Beaver</b>			4. Operational Period <b>NIGHT OPERATIONS</b> Date: 8/07/14 – 8/08/14 Time: 1800 - 0600						
5. Operations Personnel									
Operations Chief		Dan George		Division/Group Supervisor		Daniel Escobedo / Ed Willy (t)			
Branch Director				Air Operations		Dennis Kuster			
6. Resources Assigned this Period									
Strike Team/Task Force/ Resource Designator		Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 Diamond Mountain IHC (C-33)		Dan Varney		8/13	20	N	DP 88 / 1900	0600	
HC1 Valermo IHC (C-32)		Jeff Locke		8/13	19	N	DP 88 / 1900	0600	
HC2 PNF OC19		Zac Stockdale		8/17	20	N	DP 88 / 1900	0600	
ST 2804A (E-43) 24hr		John Thomen / Jeff Holder (t)		8/16	20	N	DP 88 / 1900	0600	
ENG3 NDF Brush 24 (E-112)		John Pitts		8/17	4	N	DP 88 / 1900	0600	
ENG3 American Wildfire (E-7)		Jeff Stanovich		8/16	3	N	DP 88 / 1900	0600	
DO22 KNF (E-179) 24hr		Lance Tupman		8/14	3	N	DP 88 / 1900	0600	
DO21 w/ LOWB McCullough Construction (E-132) 24hr		Clay Hicks		8/19	2	N	DP 88 / 1900	0600	
DO21 w/ LOWB Industrial Defense (E-131) 24hr		Scott Harvey		8/19	2	N	DP 88 / 1900	0600	
DO22 w/ LOWB North State (E-133) 24hr		Kevin Son		8/19	2	N	DP 88 / 1900	0600	
WT2 Cattlelack (E-124) 24hr		John Semple		8/20	2	N	DP 88 / 1900	0600	
HEQB (O-64)		William Dunk (t)		8/12	1	N	DP 88 / 1900	0600	
HEQB (O-12)		Joe Sayers		8/14	1	N	DP 88 / 1900	0600	
HEQB (O-13)		Travis Greco		8/18	1	N	DP 88 / 1900	0600	
HEQB (O-61)		Kenneth Burns (t)		8/18	1	N	DP 88 / 1900	0600	
SOF2 (O-136)		James Rittenhouse		8/19	1	N	DP 88 / 1900	0600	
7. Control Operations <ul style="list-style-type: none"> <li>Provide structure protection along Hwy 96.</li> <li>Construct direct and indirect line.</li> </ul>									
8. Special Instructions									
9. Division/Group Communication Summary									
Function		Frequency	System	Channel	Function		Frequency	System	Channel
CMD		RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Alt-CMD		RX 168.1750 TX 171.5250	BLACK T1	CH14 Tone 1 (110.9)
Tactical 3 Division/Group		RX 168.6000 TX 168.6000	NIFC TAC 3	5 Tone 4 (136.5)	Air to Ground		RX 165.4125 TX 165.4125	A/G CMD	12
					Air to Ground		RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader) Roberta Lim (t)			Approved by (Planning Section Chief) 			Date 8/7/2014		Time 12:05	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group			
3. Incident Name <b>Beaver</b>		4. Operational Period Date: 8/07/14 - 8/08/14		NIGHT OPERATIONS Time: 1800 - 0600			
5. Operations Personnel							
Operations Chief	Dan George		Division/Group Supervisor	Frank Davis / Heather Munn (t)			
Branch Director			Air Operations	Dennis Kuster			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 American River IHC (C-16)	Adam Leyba	8/18	20	N	DP 8 / 1900	0600	
HC2IA Hoopa 1 (C-19)	Rocky Colegrove / Nels Nelson (t)	8/19	20	N	DP 8 / 1900	0600	
ENG6 Mt. Adams Wildfire (E-149)	Paula Halter	8/19	3	N	DP 8 / 1900	0600	
ENG3 PNF 16 (E-182)	Dustin Langston	8/20	5	N	DP 8 / 1900	0600	
DOZ1 w/LOWB Ben's (E-134) 24hr	Boise Lawrence	8/19	2	N	DP 8 / 1900	0600	
DOZ2 w/LOWB GT Logging (E-85) 24hr	Gerral Still	8/17	2	N	DP 8 / 1900	0600	
WT2 Darrah Logging (E-29) 24hr	Ron Hale	8/16	2	N	DP 8 / 1900	0600	
WT2 Darrah Logging (E-28) 24hr	Rick Resh	8/16	2	N	DP 8 / 1900	0600	
WT2 Darrah Logging (E-121) 24hr	Dave Orr	8/18	2	N	DP 8 / 1900	0600	
HEQB (O-163)	Mark South	8/18	1	N	DP 8 / 1900	0600	
FEMP (O-70)	Ryan Fischer	8/16	1	N	DP 8 / 1900	0600	
FEMT (O-72)	Tim Hudson	8/16	1	N	DP 8 / 1900	0600	
7. Control Operations							
<ul style="list-style-type: none"> <li>Patrol and hold dozer line.</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li></li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
CMD	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air CMD	RX 168.1750 TX 171.5250	BLACK T1	CH14 Tone 1 (110.9)
Tactical / Division/Group	RX 168.2500 TX 168.2500	NIFC TAC 7	8 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
				Air to Ground	RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader)		Approved by (Planning Section Chief)			Date		Time
Roberta Lim (t)					8/7/2014		11:44





DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group		
3. Incident Name <b>Beaver</b>			4. Operational Period Date: 8/07/14 - 8/08/14		NIGHT OPERATIONS Time: 1800 - 0600		
5. Operations Personnel							
Operations Chief		Dan George		Division/Group Supervisor		Greg Jewers	
Branch Director				Air Operations		Dennis Kuster	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
TF ENF 1 (E-180)	Michael Loeffler / Stephen Clifford (t)		25	N	DP 5 / 1900	0600	
ST XBU 3800A (E-42) 24hr	John Sinclair / Greg Langer (t)	8/15	21	N	DP 5 / 1900	0600	
ENG3 SRF 33	Bryan Lanning	8/14	5	N	DP 5 / 1900	0600	
ENG3 KNF 25 (E-212)	Jesus Valenzuela	8/13	9	N	DP 5 / 1900	0600	
DO22 w/LOWB Wycoff (E-84) 24hr	Larry Owen	8/18	2	N	DP 5 / 1900	0600	
WT2 Peters 1 (E-119) 24hr	Bill Schmitt	8/17	2	N	DP 5 / 1900	0600	
7. Control Operations <ul style="list-style-type: none"> <li>• Provide structure protection.</li> <li>• Continue to patrol and mop up around structures.</li> </ul>							
8. Special Instructions							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
CMD	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air CMD	RX 168.1750 TX 171.5250	BLACK 11	CH14 Tone 1 (110.9)
Tactical 5 Division/Group	RX 167.1125 TX 167.1125	R5 TAC 5	10 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
				Air to Ground	RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader) Roberta Lim (t)		Approved by (Planning Section Chief) 			Date 8/7/2014		Time 11:39





INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name BEAVER		2. Date/Time Prepared 8/7/14 10:30		3. Operational Period Date/Time 08/07 - 08/2014 1800 - 0600	
Channel	Function	4. Basic Radio Channel Utilization		Assignment	Remarks	4. Basic Radio Channel Utilization	
		Mode	Tone			Mode	Tone
1	NIFC C4	RX	166.6125	N	CMD	Tone 4 (136.5)	Buckhorn Bally LO "Link to C11"
		TX	168.4000				
2	NIFC C11	RX	170.6875	N	Alt CMD	Tone 4 (136.5)	Collis Baldy LO "Link to C4" Travel & Camp
		TX	166.5750				
3	NIFC C41	RX	169.3875	N	Unassigned	Tone 4 (136.5)	
		TX	166.6000				
4	NIFC TAC 1	RX	168.0500	N	Unassigned	Tone 4 (136.5)	
		TX	168.0500				
5	NIFC TAC 3	RX	168.6000	N	DIV A/C	Tone 4 (136.5)	
		TX	168.6000				
6	NIFC TAC 5	RX	168.7250	N	Unassigned	Tone 4 (136.5)	
		TX	166.7250				
7	NIFC TAC 6	RX	166.7750	N	Unassigned	Tone 4 (136.5)	
		TX	166.7750				
8	NIFC TAC 7	RX	168.2500	N	DIV T/U	Tone 4 (136.5)	
		TX	168.2500				
9	R5 TAC 4	RX	168.5500	N	Unassigned	Tone 4 (136.5)	
		TX	168.5500				
10	R5 TAC 5	RX	167.1125	N	DIV V	Tone 4 (136.5)	
		TX	167.1125				
11	R5 TAC 6	RX	168.2375	N	DIV W	Tone 4 (136.5)	
		TX	168.2375				
12	A/G CMD	RX	165.4125	N	All DIVs	Air to Ground CMD	
		TX	165.4125				
13	A/G TAC	RX	169.6375	N	All DIVs	Air to Ground TAC	
		TX	169.6375				
14	BLACK T1	RX	168.1750	N	Alt CMD	Tone 1 (110.9)	Mase Mt
		TX	171.5250				
15	CALCORD	RX	156.0750	N	Medical	Tone 6 (166.7)	
		TX	156.0750				
16	AirGuard	RX	168.6250	N	EMERGENCY	Tone 1 (110.9)	
		TX	168.6250				

5. Prepared by (Communications Unit)

D Stoner



**INCIDENT RISK ANALYSIS**
**Beaver CA-KNF-005497**
**(ICS 215A) Night Shift**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	DRY FUEL CONDITIONS	<ul style="list-style-type: none"> <li>• Establish and maintain LCES</li> <li>• Anticipate intense burning and rapid rates of spread</li> <li>• Watch for spot fires</li> <li>• Allow for adequate time to escape routes and safety zones</li> </ul>
DIVS A, W, V	MOP-UP	<ul style="list-style-type: none"> <li>• Conduct thorough briefing for all personnel (inside rear cover IRPG)</li> <li>• Use all required PPE, including eye protection</li> <li>• Maintain proper spacing and overhead clearance</li> <li>• Be alert for stump holes and root cavities</li> <li>• Minimize exposure to smoke, and rotate personnel into clean air when practical</li> <li>• Evaluate unburned islands/increase situational awareness</li> </ul>
DIVS A, W, V	STRUCTURE PROTECTION	<ul style="list-style-type: none"> <li>• Review Structure Protection; IRPG pages 12-16</li> <li>• Do not commit to stay on a structure unless the area around the structure represents an adequate safety zone</li> <li>• Set trigger points to disengage and allow adequate time to relocate to primary and secondary safety zones</li> <li>• Look for propane tanks and other hazardous materials</li> </ul>
ALL	TRAFFIC & DRIVING	<ul style="list-style-type: none"> <li>• Practice "Defensive Driving" techniques</li> <li>• Use spotters when backing</li> <li>• Always use headlights</li> <li>• Use warning lights when working on roads or traveling in smoke</li> <li>• Observe posted speed limits</li> <li>• Maintain safe following distance from vehicles in front of you</li> <li>• Use chock blocks, turn wheels into hill</li> </ul>
DIVS A, T	INDIRECT LINE CONSTRUCTION	<ul style="list-style-type: none"> <li>• Establish and maintain LCES.</li> <li>• Locate line in favorable location, lighter fuels and gentler topography when possible.</li> <li>• Utilize natural or existing barriers.</li> <li>• If possible burn out or backfire as line construction progresses.</li> </ul>
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> <li>• Be alert for snakes, watch footing and hand placement around rocks</li> <li>• Check yourself for ticks, watch for bees and other insects that bite</li> <li>• Be alert for bears, cougars, and other wildlife</li> <li>• Watch for poison oak, seek treatment at MEDL if exposed</li> </ul>
ALL	HEAT RELATED ILLNESS (HRI) & DEHYDRATION	<ul style="list-style-type: none"> <li>• Drink 2 to 1 water to sports drinks.</li> <li>• Take Frequent breaks, minimum of 10 minutes every hour</li> <li>• Recognize symptoms of HEAT RELATED ILLNESS which include                             <ul style="list-style-type: none"> <li>- Lack of energy, Headaches, dizziness, lack of rest, no hunger, poor eating habits, hot skin, and lack of sweating</li> </ul> </li> </ul>
DIVS A, V	FIRING OPERATIONS	<ul style="list-style-type: none"> <li>• A written guideline shall be prepared and approved for burning operations</li> <li>• Conduct thorough briefing for all personnel (inside rear cover IRPG).</li> <li>• Qualified personnel for all assignments. Trainees to have qualified trainers.</li> <li>• Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan.</li> <li>• Required PPE to be worn by all personnel involved.</li> <li>• Establish LCES prior to implementing burning operations (IRPG p. 6).</li> </ul>
DIVS A/C, T/U, V	HEAVY EQUIPMENT OPERATIONS	<ul style="list-style-type: none"> <li>• Ensure communications are established with operators</li> <li>• Use hand signals if other communications are unavailable</li> <li>• Maintain a 50'-100' exclusion area around equipment</li> <li>• Use a spotter when backing</li> </ul>
ALL	STEEP TERRAIN & ROLLING DEBRIS	<ul style="list-style-type: none"> <li>• Maintain 8'-10' spacing when working &amp; walking</li> <li>• Don't work above any personnel</li> <li>• Evaluate necessity to send personnel in areas with limited access</li> </ul>
ALL	HAZARD TREES	<ul style="list-style-type: none"> <li>• Follow "Hazard Tree Safety" guidelines, IRPG pages 22</li> <li>• Post lookouts, or use a spotter in mop-up areas with personnel</li> <li>• Don't park vehicles or take breaks in high concentrations of hazard trees</li> <li>• Establish trigger points for disengagement during high wind events"</li> </ul>
INCIDENT NAME: <b>Beaver</b>  ICS 215a		DATE PREPARED: <p style="text-align: center;"><b>August 7, 2014</b></p> TIME PREPARED: <b>0800 HOURS</b>
		OPERATIONAL PERIOD <b>Night Shift 08/07/2014</b> 1800-0600 Prepared by S. Davis

**Lookouts**  
**Communications**  
**Escape Routes**  
**Safety Zones**

## **Beaver**

**Operation Period: 08/7/2014 Night Shift**

### **SAFETY MESSAGE**

#### **The Small Things Make a Difference**

- **Stay focused on the small things that can compromise your safety**
- **Small issues may seem inconsequential when viewed alone**
- **Sometimes multiple small issues can develop into a major problem**
- **Mitigate small issues so they do not snowball into a major issue**
- **Communicate minor problems so everyone is aware**

#### **MAJOR HAZARDS AND RISKS**

<b>STEEP TERRAIN</b> <b>FATIGUE</b> <b>STRUCTURES</b>	<b>ROLLING MATERIAL</b> <b>DRIVING</b> <b>FUELS</b>	<b>HEAVY EQUIPMENT</b> <b>SNAGS</b> <b>FIRING OPERATIONS</b>
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***Be sure all elements of your safety plan are in place prior to engagement***

#### **Aircraft Safety**

Keep personnel out of the drop zone

Use air to ground frequency to communicate with aircraft

Use the clock position of the aircraft to help coordinate target location

Use clear concise statement when communicating with the aircraft

Provide feedback on drop accuracy

#### **Weather Observations**

Communicate the fire weather and fire behavior forecast to your personnel

Take local weather observations at your place of work

Communicate the local weather to all of your personnel

Establish trigger points to monitor weather issues that can compromise your safety



# MEDICAL PLAN (ICS 206 WF)

<b>1. Incident Name:</b> <b>BEAVER FIRE</b>	<b>2. Operational Period:</b>	Date From 08/07/2014	Date To 08/08/2014
		Time From 1800	Time To 0600

3. Ambulance Services:				
Name	Complete Address	Phone / Frequency	Advanced Life Support (ALS)	
			YES	NO
Medical Unit	ICP	NIFC C4	XX	
Div. W FEMP and FEMT	Div W	Per Comm. Plan	XX	
Div. T/U FEMP and FEMT	Div T/U	Per Comm. Plan	XX	
Happy Camp Medic21	ICP	Per Comm. Plan		XX
Frontline Medical	ICP	N/A	XX	
River Spike	Klamath River Community	NIFC C4	XX	

4. Air Ambulance Services:		
Name	Phone	Type of Aircraft & Capability
Mercy Flights	530-842-3515	BO-105 1 Patient ETA 20 Min, Night Ops
REACH Helicopter	530-842-3515	Bell 407 1 Patient ETA 50 Min
PHI Redding	530-842-3515	EC-135 1 Patient ETA 50 Min
C.H.P.	530-841-6008	Hoist Capable

5. Hospitals:								
Name Complete Address	GPS Datum - WGS 84 Coordinate Standard Degrees Decimal Minutes DD° MM.MMM° N - Lat DD° MM.MMM° N - Long		Travel Time		Phone	Helipad		Level of Care Facility
			Air	Gnd		Yes	No	
Fairchild Medical Center 444 Bruce St. Yreka, Ca. 96097	Lat:	41 43.198	15 min	30 Min	ER: 530-841-6292	XX		Level 4 Trauma
	Long:	122 38.76						
	VHF:							
Mercy Medical Center Mt. Shasta 914 Pine St. Mt. Shasta, Ca. 96067	Lat:	41 15.48	45 Min	1 Hour	530-926-6111	XX		Level 3 Trauma
	Long:	122 16.15						
	VHF:							
Rogue Valley Medical Center 2825 Barnett Rd Medford, Or. 97504	Lat:	42 19.08	15 Min	55 Min	ER: 541-789-7100	XX		Level 3 Trauma
	Long:	122 49.91						
	VHF:							
U.C. Davis Medical Center 2315 Stockton Blvd. Sacramento, Ca	Lat:	38 33.14	1 Hour	4 Hour	916-734-2011	XX		Level 1 Trauma Burn Center
	Long:	121 27.26						
	VHF:							

6. Branch   Division/Group - Area Location Capability		
Division/Group  W	EMS Responders and Capability	FEMP Signor and FEMT Packwood
	Equipment Available on Scene	ALS Gear and Equipment
	Medical Emergency Channel	CALCORD
	ETA for Ambulance to Scene:	
	Air:	20 Minutes
	Ground	20 Minutes
	Approved Helispot	
	Lat: Long:	
Division/Group  T/U	EMS Responders and Capability	FEMP FISCHER and FEMT Hudson
	Equipment Available on Scene	ALS Gear and Equipment
	Medical Emergency Channel	CALCORD
	ETA for Ambulance to Scene:	
	Air:	20 Minutes
	Ground	20 Minutes
	Approved Helispot	
	Lat: Long:	

6. Branch   Division/Group – Area Location Capability (con't)			
Division/Group			
Div. A/C	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	20 Minutes	
	Medical Emergency Channel	CALCORD	
Div. V	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	20 Minutes	
	Medical Emergency Channel	CALCORD	
	ETA for Ambulance to Scene:		
	Air:	Minutes	
	Ground	Minutes	
	Medical Emergency Channel	CALCORD	
7. Remote Camp Location(s)			
River Spike Camp	Point of Contact	Spike Camp Medical	
	EMS Responders & Capability	FEMP Davis	
	Equipment Available at Location	ALS Equipment and Medical Supplies	
	Medical Emergency Channel	CALCORD and NIFC C4	
	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	15 Minutes	
	Approved Helispot		
	Lat:		
Long:			
8. Prepared by: (Medical Unit Leader)	9. Date / Time	10. Prepared by: (Safety Officer)	11. Date / Time
Patrick Young MEDL (T)	08/07/2014 @1100	Steve Davis SOF 2	08/07/2014 1100
ICS 206 WF	IAP Page		



### Medical Incident Report

**FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.**

**Use items one through nine to communicate situation to communications/dispatch.**

**1. CONTACT COMMUNICATIONS/DISPATCH**

*Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (if life threatening request designated frequency be cleared for emergency traffic.)*

**2. INCIDENT STATUS:** Provide incident summary and command structure.

<b>Nature of Injury/Illness</b>		<i>Describe the injury (Ex: Broken leg with bleeding)</i>
Incident Name		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
Incident Commander		<i>Name of IC</i>
Patient Care		<i>Name of Care Provider (Ex: EMT Smith)</i>

**3. INITIAL PATIENT ASSESSMENT:** Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.

Number of Patients:	Male / Female	Age:	Weight:
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> <b>NO = MEDEVAC!</b>			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> <b>NO = MEDEVAC!</b>			
Mechanism of injury: <i>What caused the injury?</i>			
Lat/Long (Datum WGS84) <i>Ex: N 40° 42.45' x W 123° 03.24'</i>			

**4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY**

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> <b>URGENT-RED Life threatening injury or illness.</b> <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2<sup>nd</sup> - 3<sup>rd</sup> burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is <b>IMMEDIATE.</b>
<input type="checkbox"/> <b>PRIORITY-YELLOW Serious Injury or Illness.</b> <i>Ex: Significant trauma, not able to walk. 2<sup>nd</sup> - 3<sup>rd</sup> burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be <b>DELAYED.</b>
<input type="checkbox"/> <b>ROUTINE-GREEN</b> Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered. <b>Routine of Convenience.</b>

**5. TRANSPORT PLAN:**

**Air Transport:** (Agency Aircraft Preferred)

- |                                   |   |                                      |                                |
|-----------------------------------|---|--------------------------------------|--------------------------------|
| <input type="checkbox"/> Helispot | <input type="checkbox"/> Short-haul/Hoist | <input type="checkbox"/> Life Flight | <input type="checkbox"/> Other |
|-----------------------------------|---|--------------------------------------|--------------------------------|

**Ground Transport:**

- |                                       |                                    |                                    |                                |
|---------------------------------------|------------------------------------|------------------------------------|--------------------------------|
| <input type="checkbox"/> Self-Extract | <input type="checkbox"/> Carry-Out | <input type="checkbox"/> Ambulance | <input type="checkbox"/> Other |
|---------------------------------------|------------------------------------|------------------------------------|--------------------------------|

**6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:**

- |  |                                      |  |
|--|--------------------------------------|--|
| <input type="checkbox"/> Paramedic/EMT(s)                                  | <input type="checkbox"/> Crew(s)     | <input type="checkbox"/> SKED/Backboard/C-Collar |
| <input type="checkbox"/> Burn Sheet(s)                                     | <input type="checkbox"/> Oxygen      | <input type="checkbox"/> Trauma Bag              |
| <input type="checkbox"/> Medication(s)                                     | <input type="checkbox"/> IV/Fluid(s) | <input type="checkbox"/> Cardiac Monitor/AED     |
| <input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter) |                                      |  |

**7. EVACUATION LOCATION:**

Lat/Long (Datum WGS84) <i>EX: N 40 42 45' x W 123 03 24'</i>	
Patient's ETA to Evacuation Location:	
Helispot/Extraction Size and Hazards:	

**8. CONTINGENCY:**

## ***TRAINING SPECIALIST MESSAGE***

**A Training Specialist is assigned to the incident  
with NorCal Team 2**

**All federal, state, and local government agency  
trainees, who have not already done so, should  
register with the Incident Training Specialist in  
order to receive proper credit for your  
assignment.**

**The TNSP desk is in the ICP - and is located in  
the ICP with Plans.**

**If the TNSP is out: Fill out the "Trainee  
Registration Form" and leave it in the "Drop  
Box" (Instructions for completing the form are  
posted)**

*Brad Smith*  
*Training Specialist*





