

# Incident Action Plan

## Forks Complex

CA-KNF-5949

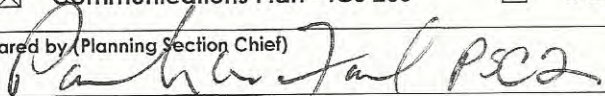
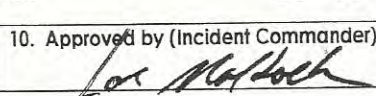
P5HS91



**Day Shift**

September 2, 2013

0600 to 1800

<b>INCIDENT OBJECTIVES</b>	1. Incident Name <b>Forks Complex</b>	2. Date <b>9/1/2013</b>	3. Time <b>21:41</b>									
4. Operational Period <p style="text-align: center;"><b>9/02/2013 0600 - 1800</b></p>												
5. General Control Objectives for the Incident (include alternatives)  <b>MANAGEMENT OBJECTIVES</b> <ul style="list-style-type: none"> <li>• Ensure all suppression actions are prioritized for firefighter and public safety.</li> <li>• Ensure fire suppression operations minimize negative fire effects.</li> <li>• Utilize Resource Advisors and Heritage Consultants to assess impacts to sensitive historic, cultural, wildlife, and plant resources.</li> <li>• Manage the fire in a cost effective manner commensurate with values at risk.</li> <li>• Keep cooperators, communities, and concerned citizens informed.</li> </ul> <b>OPERATIONAL OBJECTIVES</b> <ul style="list-style-type: none"> <li>• Utilize tactics which provide for the protection of private property and infrastructure.</li> <li>• Utilize minimum impact suppression tactics (MIST) within wilderness areas and in other land use designations as appropriate.</li> <li>• Keep the Butler fire within constructed fire lines.</li> <li>• Keep the Salmon fire within existing containment lines.</li> <li>• Implement fire suppression repair in accordance with developed plans.</li> </ul>												
6. Weather Forecast for Period <p style="text-align: center;"><b>See attached forecast</b></p>												
7. Safety Message <p style="text-align: center;"><b>See attached Safety Message</b></p>												
<b>8. Attachments (mark if attached)</b>												
<table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Weather</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Incident Map</td> <td><input checked="" type="checkbox"/> Safety Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS 205</td> <td><input type="checkbox"/> Traffic Plan</td> <td><input checked="" type="checkbox"/> LCES Worksheet</td> </tr> </table>				<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 checked="" type="checkbox"/> LCES Worksheet
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<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> LCES Worksheet										
9. Prepared by (Planning Section Chief) 		10. Approved by (Incident Commander) 										

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1. Incident Name		Forks Complex		Day Ops Chief	Rick Young / Eric Petterson (t)
				Night Ops Chief	
2. Date	9/1/2013	3. Time	22:28	Planning Ops	Dan George / Scott Lucas (t)
4. Operational Period			09/02/2013 0600 - 1800		
Position		Name		Branch	
				Daren Dalrymple	
				Division/Group	F, K Unstaffed
				Division/Group	G / H Heather McRae / Aaron Lowe (t)
5. Incident Commander and Command Staff			Division/Group W Jason Withrow		
Incident Commander	Matt Johnson		Division/Group		
Deputy IC	Joe Molhoek		Division/Group		
Liaison	Tim Fike		Division/Group		
Safety Officer	T. O'Connell / S. Davis / S. Charley		Division/Group		
Information Officer	Adrienne Freeman		b. Division/Groups		
				Division Group	A, E Unstaffed
6. Agency Representative			Division/Group B / C Greg Jewers / Heather Munn(t)		
Agency	Name		Division/Group D Casey Boesflug		
Agency Admin	Patty Grantham		Division/Group R / T / Z Steve Raymer / Matt Lynde (t)		
Agency Admin Rep	Nolan Colegrove (SRF) Dave Hayes (KNF)		Division/Group Road John Fell		
Siskiyou County Sheriff	Jim Bretts		Division/Group		
Siskiyou County OES	Ron Qugley		Division/Group		
Forks Community Liaison	Jim Bennett		Division/Group		
Hoopla Tribal Chair	Danielle Vigil-Masten		Division/Group		
Karuk Tribal Rep	Bill Tripp		Division/Group		
CCC Rep	Susan Jones		Division/Group		
California OES	Pat O'Bannon		Division/Group		
Heritage Consultant Coor.	Harold Tripp		Division/Group		
Lead Resource Advisor	Dustin Bryant		d. Air Operations Branch		
7. Planning Section			Air Operations Branch Director Dennis Kuster		
Chief	Patrick Farrell / John Owen (t)		Air Support Group Supervisor Staci Dickson		
Deputy			Air Tactical Group Supervisor Jeff Keiser / Rico Gonzalez (t)		
Resources Unit	Jeff Buscher (t) / Duane Miller (t)		Air Tactical Group Supervisor		
Situation Unit	Charlotte Jordan / Matt Brown(t)		HeliBase Manager Bill Lambert		
Documentation Unit	Rex Crabtree				
Demobilization Unit	Karen Davis				
Fire Behavior Unit	Ken Larson / Brian Ebert (t)		10. Finance Section		
Incident Meteorologist	John Pendergrast		Chief Beth Lopez		
Technical Specialist	John Miller / Blake Miller (t)		Personnel Time Unit Penny Portlock		
Training Specialist	Brad Smith		Equipment Time Unit Juanita Cortez		
GISS	Melanie Kerr / Mark Grupe / K. Roehrs		Cost Unit Rich Anderson / Sam Rapphahn (t)		
Status Check-In	Mike Velasquez		Compensation / Claim Unit Tina Kennedy		
8. Logistics Section			Procurement Unit Leader		
Chief	Jack Costello		IBA Lola Capp / Kathy Griffin		
Deputy	Mike Heckendorn				
Supply Unit	Tracey Valentine				
Facilities Unit	Bill Patten / Ric Crowther / Robin Davis (t)		Prepared By: Jeff Buscher – RESL (t)		
Ground Support Unit	John Fell / Merle Drucker (t)				
Communications Unit	Jim Lewis / Don Stoner				
Medical Unit	Jennifer Kraushaar / Patrick Young (t)				
Food Unit	Kevin Browning				



# Forks Complex Incident Weather Forecast



FORECAST NO: 31  
 PREDICTION FOR: Monday Day Shift  
 SHIFT DATE: September 2nd, 2013  
 FORECAST ISSUED: 2000 September 1st, 2013

NAME OF FIRE: Forks Complex  
 UNIT: Klamath National Forest  
 Incident Meteorologist: *John Pendergrast*  
 240-499-6649

WEATHER DISCUSSION: A slow moving upper low will drift closer to the Northwest coast during the week. Considerable early clouds will slowly diminish today. Some early sprinkles are possible with no measured. Breezy winds are expected again this afternoon.

WEATHER FORECAST FOR TODAY (MONDAY DAY SHIFT):

WEATHER: Mostly cloudy with morning sprinkles possible. Becoming breezy. Higher RH values expected overall.  
 WIND (EYE-LEVEL): **Valleys:** South to Southwest 5 to 10 mph increasing to 10 to 15 mph in aligned valleys.  
**Upper Slopes/Ridges:** South to Southwest 10 mph increasing to 15 to 20 mph in the afternoon.  
 MAX TEMPERATURES: 72 to 79F drainages, 62-70 ridges.  
 MIN RH: 45-55% drainages, 55-65% ridges.  
 LAL: 1 CWR: 5%

FORECAST TONIGHT (MONDAY NIGHT):

WEATHER: Partly cloudy. Limited inversion expected.  
 MIN TEMPERATURES: 50 to 58F.  
 MAX RH: 90 to 100% drainages and 70 to 80 percent upper elevations.  
 LAL: 1 CWR: 5%  
 WIND (EYE-LEVEL): **Valleys:** Southwest winds 10 mph the evening...becoming downslope/valley 2 to 5 mph.  
**Upper slopes/Ridges:** Southwest 10 to 15 mph.

WEATHER FORECAST FOR TUESDAY:

WEATHER: Partly cloudy. Continued dry. Breezy in the afternoon.  
 WIND (EYE-LEVEL): **Valleys:** South to Southwest 5 mph early increasing to 10 to 15 mph in afternoon..  
**Ridges:** Southwest 10 to 15 mph with afternoon gusts up to 20 mph.  
 MAX TEMPERATURES: 80 - 86F drainages, 68 - 77 ridges.  
 MIN RH: 35 to 45% drainages, 50 to 60% ridges.  
 LAL: 1 CWR: 5%

EXTENDED OUTLOOK WEDNESDAY THROUGH FRIDAY: Low pressure forecast to landfall Washington Friday

WEATHER: WED-THU: Partly cloudy each day. Warm and dry in the afternoons. Highs in the upper 70s to upper 80s.  
 FRI: Highs in the upper 60s to upper 70s.  
 WIND (EYE-LEVEL): **Valleys:** Light winds becoming Upslope/valley 5 to 10 mph gusts up to 15 mph. Higher afternoon gusts in aligned valleys. FRI: West wind becoming Northwest 10 to 15 mph.  
**Upper slopes/Ridges:** Southwest 8 to 12 mph with afternoon gusts up to 20 mph.  
 FRI: Southwest wind becoming Northwest 10 to 20 mph.  
 MIN TEMPERATURES: 48 - 55F...warmest toward the ridges.  
 MAX TEMPERATURES: 83 - 89F drainages, 68 - 78 ridges...little change daily.  
 MIN RH: 25 - 32% drainages, 35 - 45% ridges...RH Trend little change.  
 MAX RH: 85 - 95% drainages, 55 - 65% ridges...RH Trend little change.  
 FRI: Higher RH on Friday due to cooler temps and Northwest winds.  
 LAL: 1 CWR: 5%

Sunrise Monday 0645 Sunset Monday 1947  
 Sunrise Tuesday 0646 Sunset Tuesday 1945  
 Moon Phase: Waning (7% visible)

# FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 55	TYPE OF FIRE: Wildland Fire
FIRE NAMES: Forks Complex	OPERATIONAL PERIOD: 0600 – 1800, Sept. 2, 2013
DATE ISSUED: September, 2, 2013	TIME ISSUED: 2000
UNIT: Klamath NF	SIGNED: /s/ Brian Ebert, FBAN(t)

## INPUTS

**WEATHER SUMMARY:** *See attached Incident Meteorological Forecast*

**Discussion:** An upper level low pressure system moves closer inland over the Pacific Northwest. Considerable cloudiness this morning will give way to clearing skies in the afternoon. There is a chance of sprinkles this morning.

**Weather:** Mostly cloudy in the morning giving way to clearing skies during the afternoon.

**Max Temp:** 72-79° drainages, 62-70° ridges

**Min RH:** 45-55% drainages, 55-65% ridges

**Winds (eye-level):** **Valleys:** SW 5 to 10 mph increasing to 10 to 15 mph with gust to 25 mph in the afternoon.

**Ridges:** S to SW 10 mph increasing to 15 to 20 mph in the afternoon.

## FIRE BEHAVIOR

### GENERAL

Predicted cloud cover and good overnight humidity recoveries will delay drying of fine fuels until later in the afternoon. Fire behavior is expected to be minimal due to increased fine fuel moistures due to forecasted cloud cover and higher humidities. Additional smoldering fire activity has increased in the previous day due to continued dry weather resulting in fuels becoming more receptive to burning. Dependent on time and duration of cloud cover and moisture, activity should decrease today with higher humidity's forecasted.

**Probability of Ignition:** 30% with cloud cover, 50% under clear skies.

**Predicted ERC:** 59 (60<sup>th</sup> percentile)

**Branch I:** In all Divisions (F, G, H, K, W) SW ridge top winds are having minimal effect on areas still smoldering and creeping in Granite, Nordheimer, and China Creek drainages. The prominent North to South ridgeline is providing effective sheltering of winds to the burn area. Expect fire to continue to mostly smolder with minimal spread with the forecasted weather.

**Division A, B, C:** Minimal fire behavior and spread are expected. Fuels will continue to smolder in Nordheimer Creek.

**Divisions R, T, Z (Salmon):** Minimal fire activity is expected near containment lines; smoldering fire activity can be expected to continue within the interior of the burn area.

## AIR OPERATIONS

09/02 Sunrise – 06:45

09/02 Sunset – 19:47

## SAFETY

- When working interior areas of the fire watch for hazards such as fire-weakened trees, stump holes, rolling materials on steep slopes, etc.



<b>DIVISION ASSIGNMENT LIST</b>	1. Branch <b>I</b>	2. Division/Group <b>G/H - Butler</b>
3. Incident Name <b>Forks Complex</b>	4. Operational Period <b>DAY OPERATIONS</b>	Date: 09/02/2013 Time: 0600-1800

5. Operations Personnel			
Operations Chief	Rick Young	Division/Group Supervisor	Heather McRae / Aaron Lowe (t)
Branch Director	Daren Dalrymple	Air Operations Branch Director	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 Klamath IHC (C-24)	Andy Zink	9/13	19	N	DP-44 / 0700	1800	
HC2IA Angora (C-25)	Ezra Butterfield	9/6	19	N	DP-44 / 0700	1800	
HC2IA Firestorm #6 (C-18)	Jimmy Ramirez	9/12	20	N	DP-44 / 0700	1800	
HC2IA Tallac (C-68)	Aaron Grove	9/2	18	N	DP-44 / 0700	1800	
WFM Saguaro (O-219)	Jason Thivener	9/14	9	N	DP-44 / 0700	1800	
WFM Mt Hebron (O-245)	Erik Blankenship	9/13	10	N	DP-44 / 0700	1800	
ENG6 Oregon Woods (E-48)	Byran Sumpter	9/4	3	N	DP-44 / 0700	1800	
ENG5 Chewack #74 (E-52)	Jarred Hodgson	9/6	3	N	DP-44 / 0700	1800	
TFLD (O-75)	Matt Lamb	9/3	1	N	DP-44 / 0700	1800	
SOFR (O-225)	Dale Schmidt	9/5	1	N	DP-44 / 0700	1800	
FEMP (O-196)	Jody Hughes	9/12	1	N	DP-44 / 0700	1800	
FEMT (O-195)	Dave Blanco	9/12	1	N	DP-44 / 0700	1800	
REM Team	Bryan Hagan	9/12	4	N	DP-44 / 0700	1800	

7. Control Operations
- Continue mop-up to an optimal goal of 300' where accomplishment does not jeopardize personnel safety.
  - Monitor fire spread east of Orleans Mt and Granite Creek drainage.

8. Special Instructions
- Red & white stripe and orange & white stripe flagging denote area of resource concern. Directions of resource concern will be written on the flagging.
  - Coordinate with READs and DIVS to implement division specific suppression repair plan.
  - Leave 2 pumpkins at DP50 and 1 pumpkin at H6. Leave hose lay and pumps from G/H break north for 1 mile.
  - Back-haul all other excess equipment and trash.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	CMD 1	<b>1</b> <b>Tone 3</b>	Alternate Command	RX 162.1875 TX 172.5500	CMD 5	<b>5</b> <b>Tone 3</b>
Tactical Division/Group	RX 166.7250 TX 166.7250	TAC 1	<b>6</b> <b>Tone 3</b>	Air to Ground	RX 171.5375 TX 171.5375	A/G CMD	<b>13</b>

Prepared by (Resource Unit Leader) Jeffrey Buscher	Approved by (Planning Section Chief) <i>Rachel G. Furl</i>	Date 9/1/2013	Time 21:46
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<b>DIVISION ASSIGNMENT LIST</b>			1. Branch <b>I</b>		2. Division/Group <b>W - Butler</b>		
3. Incident Name <b>Forks Complex</b>			4. Operational Period <b>DAY OPERATIONS</b>				
			Date: 09/02/2013		Time: 0600-1800		
5. Operations Personnel							
Operations Chief		Rick Young		Division/Group Supervisor		Jason Withrow	
Branch Director		Daren Darymple		Air Operations Branch Director		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	
ENG6 NM #8062 (E-50)	Ray Ruiz	9/4	3	N	DP-20 / 0700	1800	
STEN (O-287)	Anthony Manning	9/2	1	N	DP-20 / 0700	1800	
SOFR (O-107)	Ray Miller	9/4	1	N	DP-20 / 0700	1800	
FEMP (O-109)	Davis Doty	9/2	1	N	DP-20 / 0700	1800	
FEMP (O-108)	Mike Mallett	9/2	1	N	DP-20 / 0700	1800	
7. Control Operations							
<ul style="list-style-type: none"> <li>Mop up to an optimal goal of 300' where accomplishment does not jeopardize personnel safety.</li> <li>Monitor fire activity in upper Butler Creek.</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li>Coordinate with DIVS to implement division specific suppression repair plan.</li> <li>Red and white stripe and orange and white stripe flagging denotes area of resource concern. Directions of resource concern will be written on the flagging.</li> <li>Leave hoselay from Somes Sling to DP6.</li> <li>Back-haul all other excess equipment, and trash.</li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	CMD 1	<b>1 Tone 3</b>	Alternate Command	RX 162.1875 TX 172.5500	CMD 5	<b>5 Tone 3</b>
Tactical Division/Group	RX 168.2000 TX 168.2000	TAC 3	<b>8</b>	Air to Ground	RX 171.5375 TX 171.5375	A/G CMD	<b>13</b>
Prepared by (Resource Unit Leader) Jeffrey Buscher		Approved by (Planning Section Chief) <i>Patrick E. Farnsworth</i>			Date 9/1/2013		Time 21:41



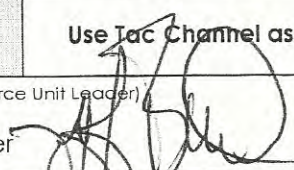
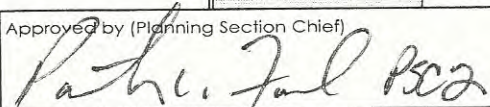








<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>R/T/Z - Salmon</b>		
3. Incident Name <b>Forks Complex</b>			4. Operational Period Date: 09/02/2013		DAY OPERATIONS Time: 0600-1800		
5. Operations Personnel							
Operations Chief		Rick Young		Division/Group Supervisor		Steve Raymer / Matt Lynde (t)	
Branch Director				Air Operations Branch Director		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	
HC21A Mountaineers (C-21)	Tom Wesley	9/12	20	N	DP2 / 0700	1800	
ENG6 Young Logging (E-218)	Steve Rhea	9/4	3	N	DP2 / 0700	1800	
ENG6 CBD #7601 (E-221)	Jay Flora	9/4	3	N	DP2 / 0700	1800	
GRADER w/LOWB Johnson (E-58)	Jack Hottendorf	9/14	2	N	DP2 / 0700	1800	
WT2 White Logging (E-12)	Ray Gomes	9/3	1	N	DP2 / 0700	1800	
WT2 Johnson (E-13)	Matt Johnson	9/11	1	N	DP2 / 0700	1800	
SOF2 (O-43)	Jamie Munns	9/3	1	N	DP2 / 0700	1800	
FEMP (O-208)	Don Bliss	9/14	1	N	DP2 / 0700	1800	
FEMP (O-215)	Carlos Marin	9/14	1	N	DP7 / 0700	1800	
FEMP (O-213)	James Farley	9/13	1	N	DP2 / 0700	1800	
FEMT (O-218)	Joel Vervelde	9/14	1	N	DP7 / 0700	1800	
Heritage Consultant (O-292)	Franklin Donahue	9/6	1	N	DP2 / 0700	1800	
Heritage Consultant (O-254)	Phillip Courts	9/3	1	N	DP2 / 0700	1800	
Heritage Consultant (O-255)	Phil Tripp	9/3	1	N	DP2 / 0700	1800	
Heritage Consultant (O-169)	Albert Titus	9/7	1	N	DP2 / 0700	1800	
7. Control Operations							
<ul style="list-style-type: none"> <li>Continue to hold and mop up to an optimal goal of 300' where accomplishment does not jeopardize personnel safety.</li> <li>Initiate and continue repair operations as directed.</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li>Coordinate with READS and DIVS to implement suppression repair plan in Division R.</li> <li>Backhaul all hose, pumps, other excess equipment and trash.</li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	CMD 1	1 Tone 3	Alternate Command	RX 162.1875 TX 172.5500	CMD 5	5 Tone 3
Tactical Division/Group	RX 167.1125 TX 167.1125	TAC 6	11 Tone 3	Air to Ground	RX 171.5375 TX 171.5375	A/G CMD	13
Prepared by (Resource Unit Leader) Jeffrey Buscher			Approved by (Planning Section Chief) <i>Paul C. Furlong</i>			Date 9/1/2013	Time 22:14

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>Road Group - Butler</b>		
3. Incident Name <b>Forks Complex</b>			4. Operational Period <b>DAY OPERATIONS</b>				
			Date: 09/02/2013		Time: 0600-1800		
5. Operations Personnel							
Operations Chief		Rick Young		Division/Group Supervisor		John Fell	
Branch Director				Air Operations Branch Director		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	
GRD1 Darrah 779 (E-17)	Ben Bond	8/31	1	N	DP2 / 0700	1800	
WT2 Lee Traynham (E-101)	Jason Peter	9/3	1	N	DP2 / 0700	1800	
WT2 Ken's (E-79)	Joe Terry	9/14	1	N	DP2 / 0700	1800	
WT2 Darrah (E-7)	Wayne Verag	9/15	1	N	DP2 / 0700	1800	
WT2 Cattlelack (E-77)	James Goldie	9/2	1	N	DP2 / 0700	1800	
EQPM (O-52)	Cheryl Bales	9/5	1	N	DP2 / 0700	1800	
7. Control Operations							
<ul style="list-style-type: none"> <li>Repair roads within Fire Perimeter</li> </ul>							
8. Special Instructions							
<ul style="list-style-type: none"> <li>All relief drivers must check-in</li> </ul>							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 168.0750 TX 170.4250	CMD 1	<b>1 Tone 3</b>	Alternate Command	RX 162.1875 TX 172.5500	CMD 5	<b>5 Tone 3</b>
Tactical Division/Group	<b>Use Tac Channel assigned to Division</b>			Air to Ground	RX 171.5375 TX 171.5375	A/G CMD	<b>13</b>
Prepared by (Resource Unit Leader)			Approved by (Planning Section Chief)			Date	Time
Jeffrey Buscher 			John Fell 			9/1/2013	21:55

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name <b>FORKS COMPLEX</b>			Date/Time Prepared 09/01/13 1545 HRS.	Operational Period Date/Time DAY SHIFT 09/02/13 0600-1800		
Only frequencies listed on this 205 are authorized for use on this incident.			Hand programmers accept all responsibility for the use of unauthorized frequencies.						
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	CMD 1	ORLEANS LO	168.0750 N		170.4250 N	Tone 3 131.8	A	MAIN BODY OF FIRE
2	COMMAND	CMD 2	96 / 93 TRAVEL	170.4125 N		165.9625 N	Tone 3 131.8	A	TRAVEL ON 96 AND 93
3	COMMAND	CMD 3	AIKEN'S CAMP	163.0375 N		170.0250 N	Tone 3 131.8	A	SHELTON MT LO
4	COMMAND	CMD 4	ETNA / HELIBASE	164.7750 N		170.4625 N	Tone 3 131.8	A	ETNA SUMMIT
5	COMMAND	CMD 5	ICP / Alt CMD	162.1875 N		172.5500 N	Tone 3 131.8	A	BLUE RIDGE
6	TACTICAL	TAC 1	DIV G / H	166.7250 N		166.7250 N	Tone 3 131.8	A	NIFC TAC 5
7	TACTICAL	TAC 2	DIV B / C	168.0500 N		168.0500 N		A	NIFC TAC 1
8	TACTICAL	TAC 3	DIV W	168.2000 N		168.2000 N		A	NIFC TAC 2
9	TACTICAL	TAC 4	UNASSIGN	168.6000 N		168.6000 N		A	NIFC TAC 3
10	TACTICAL	TAC 5	DIV D	166.5500 N		166.5500 N	Tone 3 131.8	A	R5 TAC 4
11	TACTICAL	TAC 6	DIV R / T / Z	167.1125 N		167.1125 N	Tone 3 131.8	A	R5 TAC 5
12			INACTIVE					A	INACTIVE
13	AIR TO GROUND	A / G CMD	Air to Ground	171.5375 N		171.5375 N		A	AIR TO GROUND COMMAND
14			INACTIVE					A	INACTIVE
15	MEDIVAC	CALCORD	MEDICAL TACTICAL	156.0750 N		156.0750 N	Tone 6 156.7	A	MEDIVAC AIR COORDINATION
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250 N		168.6250 N	Tone 1 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT
Prepared by _____ Incident Location _____									
DON STONER COML NORCAL 2			ROADS: USE TAC CHANNEL IN ASSIGNED DIVISION			FORKS OF SALMON LAT: N 41 15.512 LONG W 123 19.668 ELEV. 1249 ft			

**INCIDENT RADIO COMMUNICATIONS PLAN**

Only frequencies listed on this 205 are authorized for use on this incident.

Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
				164.1750N		164.9750N	CG		
1	KNF DISPATCH	KNF	FOREST OPS	164.1750N		164.9750N	CG	A	ROUTINE TRAFFIC, T5 ORLEANS PK
2	KNF IA DISPATCH	KNF SAM	I / A RESOURCES	171.50000N		172.4000N	CG	A	TONES 5,6
3	KNF DISPATCH	KNF RIVER	FOREST OPS	172.2500 N		171.550 N	CG	A	TONES 2, 7 OR 10
4	SRF DISPATCH	SRF	FOREST OPS	168.7250N		170.1250N	CG	A	TONES 5,6,7 AND 13
5	HOOPA FIRE RPT	HIA	AS NEEDED	155.3850N		150.8050N	CG	A	ZONE 6
6	SISKIYOU DISPATCH	SKU-L 1	SKU OPS	151.3250 N		159.3600 N	CG	A	ZONE 6
7	HUMBOLT	HUU OPS	OPERATIONS	151.2500 N		159.4050 N	CG	A	ZONE 11&13
8	NIFC TAC 1	NIFC TC1	I / A TAC	168.0500 N		168.0500 N		A	
9	NIFC TAC 2	NIFC TC2	I / A TAC	168.2000 N		168.2000 N		A	
10	NIFC TAC 3	NIFC TC3	I / A TAC	168.6000 N		168.6000 N		A	
11	FS AIR / GND PRI	FS A/G PRI	ALL DIVISIONS	167.6000 N		167.6000 N		A	
12	FS AIR / GND SEC	FS A/G SEC	ALL DIVISIONS	166.8750 N		166.8750 N		A	UNASSIGNED
13	UNASSIGNED								
14	AIR TO GROUND	CDF A / G	AS NEEDED	151.2200 N		151.2200 N		A	
15	MEDICAL	CALCORD	MEDICAL TACTICAL	156.0750 N		156.0750 N	T6 156.7	A	
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250 N		168.6250 N	T1 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT

Prepared by: \_\_\_\_\_ Incident Location: \_\_\_\_\_  
 MODE: A - ANALOG, D - DIGITAL



<b>MEDICAL PLAN</b>		<b>1. INCIDENT NAME:</b> FORKS COMPLEX		<b>2. DATE PREPARED:</b> 09/01/2013		<b>3. TIME PREPARED:</b> 1345		<b>4. OPERATIONAL PERIOD</b> 09/02/13 0600-1800							
<b>5. INCIDENT MEDICAL AID STATIONS</b>										PARAMEDIC					
<b>MEDICAL AID STATIONS</b>				<b>LOCATION</b>				YES		NO					
Frontline				ICP				X							
FEMP Blanco & Hughes				Div G/ H or as directed by safety and operations				X							
FEMP Mallet & Doty				Div W or as directed by safety and operations				X							
FEMP Scheiger & Garcia				Div B/C or as directed by safety and operations				X							
FEMP Quadros & Russell				Div B/C or as directed by safety and operations				X							
FEMP Farley & Bliss				Div R/T/Z or as directed by safety and operations				X							
FEMP VerVelde & Marin				Div R/T/Z or as directed by safety and operations				X							
FEMP Burton				Scott Valley Helibase NPS H7PA				X							
REM 1 Conn, Owen, Hagan, Houtman				Div H or as directed by safety and operations				X							
<b>6. TRANSPORTATION</b>										PARAMEDIC					
<b>A. AMBULANCE (GROUND)</b>										YES		NO			
<b>NAME</b>			<b>LOCATION</b>			<b>PHONE</b>			YES		NO				
Arcata 4			ICP			Use command			X						
<b>B. AMBULANCE (AIR)</b>										PARAMEDIC					
<b>NAME</b>				<b>LOCATION</b>				YES		NO					
NPS H-7PA-Short Haul Capable 150' to 250'				Scotts Valley Helibase, Scott Valley, CA				X							
CalFire 102- (Hoist) Daylight hrs only				Kneeland, CA						X					
REACH- (Non-Hoist)				3775 Flight Ave, Redding, CA 96003				X							
PHI Air Medical – (Non-Hoist) NVG Capable				1524 East St. Redding, CA 96001				X							
Kern County 408				Willow Creek Airport				X							
<b>7. HOSPITALS</b>										TRAUMA		HELIPAD		BURN CENTER	
<b>NAME</b>		<b>ADDRESS</b>		<b>TRAVEL TIME</b>		<b>PHONE</b>		Yes		No		YES		NO	
				AIR		GRND						YES		NO	
St. Joseph Hospital		2700 Dolbeer St. Eureka, CA N 40 47.08 / W 124 8.59		20min		2.5 H		(707) 445-8121 #2		X		X		X	
Fairchild Medical Center		444 Bruce St. Yreka, CA N 41 43.13 / W 122 38.69		20min		2.5 H		(530) 841-6292		X		X		X	
Mercy Medical Center Level II		2175 Rosaline Ave, Redding CA N 40 34.32 / W 122 23.7		50min		3 H		(530) 225-7201		X		X		X	
UC Davis Medical CTR Level I		2315 Stockton Blvd. Sacramento N 38 33.29 / W 121 27.32		50min		6.5 H		(916) 734-3790		X		X		X	
<b>8. MEDICAL EMERGENCY PROCEDURES</b>										<b>LINE EMERGENCY</b>		<b>CAMP EMERGENCY</b>			
<p>Crew Supervisor to contact Division Supervisor with complaint and location. Refer to injury protocol on the back of the 206.</p> <p>1) DIVS contacts:</p> <ul style="list-style-type: none"> <li>Line EMT (If available)</li> <li>Communications Unit</li> <li>Operations / Branch</li> </ul> <p>2) On scene DIVS, EMT, and Medical Unit Leader decide mode of transportation required.</p> <p>3) Operations and Medical Unit will manage medical emergency with Communications.</p> <p>If a Medical/Medivac is needed be sure to Know the lat. and long. of the closest helispot</p>										<p>Notify Forks Communications of Camp Emergency. Refer to injury protocol on the back of the 206.</p> <p>Minor Injuries or illnesses</p> <ul style="list-style-type: none"> <li>Seek Aid directly at the Frontline Medical Unit, report all injuries or illnesses to supervisor</li> </ul> <p>Moderate to Severe Injuries or Illnesses</p> <ul style="list-style-type: none"> <li>Contact Communications directly</li> <li>Forks Communication will activate the EMS system.</li> <li>Forks Communication will notify Safety.</li> <li><b>Do not give name over Radio Communications.</b></li> </ul>					
9. PREPARED BY (MEDICAL UNIT LEADER) Jennifer Kraushaar, Patrick Young (T)						10. REVIEWED BY (SAFETY OFFICER – SOF2) Steve Davis									

# Injury or Incident Communications Protocol

Time: \_\_\_\_\_ Date: \_\_\_\_\_ On Scene POC: \_\_\_\_\_

Declare: Medical Emergency \_\_\_\_\_ or Non-Emergency Medical \_\_\_\_\_

Number of injured: \_\_\_\_\_ Type of injury: \_\_\_\_\_

Patient Location: \_\_\_\_\_ Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elevation: \_\_\_\_\_

Best transport method: (see matrix below) Air Ambulance Ambulance Helicopter Vehicle

Any special equipment required: (SKED, Wheeled Stokes, Backboard, etc.) \_\_\_\_\_

Closest pick up point (DP, Helispot) \_\_\_\_\_

LOC \_\_\_\_\_ Resp. \_\_\_\_\_ Pulse \_\_\_\_\_ BP \_\_\_\_\_ Weight \_\_\_\_\_

Medical History/Allergies \_\_\_\_\_

On Scene Medic: \_\_\_\_\_

**Air Transportation Triage      Coordinate with Air Ambulance on Cal-Cord (Ch: 15)**

	Air Ambulance	Ground Transport
<b>Mechanism</b>	Struck by tree Fall of 10' or more Snake bite with pain and swelling Insect bite with shortness of breath Signs of heat stroke (hot, dry, disoriented) Burn Injury greater than 1% body area	Minor dehydration Cut or laceration with bleeding controlled Minor bites and Stings Minor burns
<b>Area Injured</b>	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains
<b>Symptoms</b>	Disoriented Chest Pain <u>or</u> Shortness of Breath Weak or absent radial pulse Pale, cold and sweating	Alert and oriented No shortness of breath Good pulses

Medivac Sites (WGS 84 datum) use Degrees, Decimal Minutes (Lat 00° 00.000' – Long 00° 00.000')

Forks Camp - N 41°15.553 / W 123°19.650

DP- 34 Div. C- N 41°12.896 / W 123°16.759

H 11 – N 41°15.182 / W 123°18.963

DP-39 Div. E- N 41°10.847/ W 123°22.445

If air or ground ambulance is DELAYED:

**DO NOT DELAY** in Packaging and transporting the patient to rendezvous with the Ambulance.  
Re-route EMS helicopter to rendezvous point as appropriate.

When declaring an "Incident within the Incident"

The closest DIVS or designee will respond to manage the incident. They are responsible for giving an accurate size up, ensuring scene safety, setting priorities and initiating an appropriate response. The closest Safety Officer and Line EMS will respond to the scene to assist. The Safety Officer will secure the site and begin initial investigation when situation is stabilized.

<b>Lookouts</b> <b>Communications</b> <b>Escape Routes</b> <b>Safety Zones</b>	<b>Forks Complex</b> <b>Operation Period: 09/02/2013 Day Shift</b>
	<b>Emphasis on Communications</b>

**Communication Responsibilities**

- **Briefings – All resources require briefings, use the briefing checklist in the IRPG**
- **Debrief Actions – Conduct AAR’s to identify lessons learned**
- **Communicate Hazards to others**
- **Acknowledge Messages**
- **Ask if you do not know – Ask questions in unfamiliar situations**

**MAJOR HAZARDS AND RISKS**

<b>STEEP TERRAIN</b> <b>FATIGUE</b> <b>DRIVING</b>	<b>ROLLING MATERIAL</b> <b>DEHYDRATION</b> <b>BUCKET DROPS</b>	<b>HEAVY EQUIPMENT</b> <b>SNAGS</b> <b>COMPLACENCY</b>
--	--	--

*Be sure all elements of your safety plan are in place prior to engagement*

**Escape Route/Safety Zone Checklist**

**Escape Routes:**

- \*Designate primary and back-up escape routes.
- \*Scouted – soils, vegetation, slope
- \*Timed – slowest person, fatigue, dozer speed
- \*Marked – flagged for day and night use

**Safety Zones:**

- \*Survivable without a shelter
- \*Natural – clean burn, water, bare soil/rock
- \*Man-made – constructed sites, roads, etc.
- \*Scouted for size and hazards
- \*Close enough considering escape time needed

**Remember and Follow:**

- \*The 10 Standard Fire Orders
- \*The Common Denominators of Fire Behavior on Tragedy Fires
- \*The Downhill Line Construction Guidelines

**Working with Helicopter Drops**

Do you have good communications?

Does the pilot have a clear understanding Of the target?

Are trees and snags in the drop zone?

Are ground crews clear of the area?

What is the turnaround time for the helicopter?

Are people on the ground aware of the effects of the helicopter’s rotorwash?

Give feedback to the pilot about drop accuracy. Be honest and constructive.

**INCIDENT RISK ANALYSIS**  
**Forks Complex**  
**(ICS 215A) Day Shift**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> <li>Narrow dusty roads exist.</li> <li>Establish one-way traffic or coordinate traffic flow if necessary.</li> <li>Drive defensively! Expect the unexpected around every curve.</li> <li>Drive with headlights on; use chock blocks, keep windshields clean; look before backing; and use backers whenever available.</li> <li>Don't drive when fatigued. Adhere to agency driving regulations and guidelines.</li> <li>Use care when traveling on Highways 96, 93 and Sawyers Bar Road.</li> </ul>
ALL	HAZARD TREES AND SNAGS	<ul style="list-style-type: none"> <li>Scout work area for overhead hazards to ensure safe work areas.</li> <li>Identify and communicate hazard to personnel. Mitigate using qualified personnel only.</li> <li>Re-assess the need to eliminate the hazard by felling if it is feasible to keep personnel away.</li> <li>If unable to mitigate hazard, <b>Flag Off area, communicate the location &amp; keep personnel away.</b></li> </ul>
ALL	CUMMULATIVE FATIGUE	<ul style="list-style-type: none"> <li>Monitor crews for signs of fatigue: poor decision making, easily distracted, reduced situational awareness.</li> <li>Ensure you &amp; your crews receive adequate rest, nutrition &amp; hydration. Take frequent breaks, drink plenty of fluids and snack often throughout your shift to keep your body re-fueled.</li> </ul>
ALL	COMMUNICATIONS	<ul style="list-style-type: none"> <li>Share your Situational Awareness (hazards, changes, etc.) to those who also have a need.</li> <li>Answer questions when asked by others. Ask for intel if and when you don't know the plan.</li> <li>Ensure all personnel are familiar with the incident and IA communications plans.</li> </ul>
Salmon River Rd & Sawyers Bar Rd	DEBRIS AND ROCK SLIDES	<ul style="list-style-type: none"> <li>Any amount of rain will cause loosening of Soils, Rocks, and Trees due to Burn Scar.</li> <li>Expect debris/rocks in roadways as you travel. Expect the unexpected around every curve.</li> <li>Notify your supervisor if you find debris blocking or limiting access on any road.</li> </ul>
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> <li>Keep alert for wildlife, insects, and plants. Watch footing and hand placement around rocks.</li> <li>Keep food out of tents and from around sleeping areas to prevent wildlife night visits.</li> <li><b>Personal hygiene is #1 when it comes to Poison Oak Prevention.</b></li> </ul>
ALL	EXTREMELY STEEP TERRAIN AND ROLLING MATERIAL	<ul style="list-style-type: none"> <li>Concentrate on your footing placement; take your time.</li> <li>Ensure adequate spacing between crewmembers so they can react to dislodged debris.</li> <li>Post lookouts to warn of rolling debris. <b>SHOUT out to warn others.</b></li> <li>Look Up, Down and Around Frequently.</li> </ul>
DIV G/H, W, B/C, T/Z R	MOP UP	<ul style="list-style-type: none"> <li>Conduct thorough briefing for all personnel (inside rear cover IRPG).</li> <li>Use All 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><b>Evaluate unburned islands/increase situational awareness.</b></li> </ul>
ALL	HYDRATION	<ul style="list-style-type: none"> <li><b>Pre-hydrate, Re-hydrate to keep from becoming dehydrated.</b></li> <li><b>Dehydration is PREVENTABLE.</b></li> <li>Be alert for signs of heat illness in yourself and others.</li> <li>Drink 2 to 1 water to sports drinks.</li> </ul>
DIV B, C, D R	HEAVY EQUIPMENT	<ul style="list-style-type: none"> <li>Utilize appropriate PPE and equipment safety mechanisms.</li> <li>Maintain safe working distances.</li> <li>Utilize observer or spotter.</li> <li>Ensure the use of effective communication (radio, hand signals).</li> </ul>
DIV B, C, D	CHIPPER OPERATIONS	<ul style="list-style-type: none"> <li>Ensure JHA is provided and signed by operators.</li> <li>Only qualified personnel will feed the chipper.</li> <li>Ensure appropriate PPE is used including eye and hearing protection.</li> </ul>
DIV B, C, D G, H, K T, W, Z	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> <li>Keep personnel out of drop zones when bucket work in progress.</li> <li>Use air-to-ground frequency to communicate with aircraft.</li> <li>Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective.</li> </ul>
INCIDENT NAME: <b>Forks Complex</b>  ICS 215a	DATE PREPARED: <p style="text-align: center;"><b>September 1, 2013</b></p>	OPERATIONAL PERIOD <b>Day Shift 09/02/13</b> <b>0600-1800</b> Prepared by: S. Davis, S. Charley SOF2
	TIME PREPARED: <b>1730 HOURS</b>	

# AIR OPERATIONS SUMMARY

Prepared By: Dennis Kuster

Prepared Date: 9/1/2013

Prepared Time: 21:30

<b>1. INCIDENT NAME:</b> Forks Complex	<b>2. OPS PERIOD DATE:</b> 9/2/2013	<b>START TIME:</b> 0800	<b>END TIME:</b> 2100	<b>SUNRISE:</b> 0640	<b>SUNSET:</b> 1945	
<b>3. REMARKS (Safety Notes, Hazards, Air Operations, Special Equipment, etc.):</b> Watch for wires in the Salmon river canyon. Beware of rapidly changing VFR conditions due to smoke and Wx Avoid no-fly zone over Klamath and Salmon river confluence unless unsafe. Heliwell Coordinates 41° 10.840 123° 22.445 Same as DP 39. H-408 available for hoist and short haul from the Corral Fire. Coordinate w/ Med & AirOps.		<b>4. READY ALERT AIRCRAFT</b> MEDEVAC- 407PA I.A. -502				<b>5. TFR #:</b> 3/2233 Altitude: 11,000' MSL Frequency: 120.0250

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Dennis Kuster	209-352-0855	AIR/ AIR FW	120.0250		AIRTANKERS - Order as needed
ASGS	Staci Dickson	530-277-5153	AIR/ AIR RW	132.2750		LEAD PLANES- Order as needed
ATGS	Jeff Keiser	530-598-1590	AIR/ AIR RW- FF		163.1500	ATGS AIRCRAFT- AA1176Z
ATGS	RJ Estes	520-507-3350				H507
HLCO	Bill Palmer	828-273-9255	AIR/ GROUND	Command	171.5375	
ATGS(T)				Tactical	171.1375	
HEB1	Joel Torres	530-598-9323	COMMAND	rx	168.0750	
HEB1 (T)				tx	170.4250 t-3	
Scott Valley Helibase	Phone	530-468-1294	DECK		163.100	
Helibase	FAX	530-468-5495	TOLC			
Happy Camp		530-468-2118				OTHER FW AIRCRAFT-

## 9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-503	3	Bell 407	Happy Camp	0700									
H407PA	3	Bell 407	Scott Vly	0700									
H-502	2	Bell 205	Scott Vly	0700									
H507	2	Bell 209	Scott Vly	1600									
HT782	1	S64	Scott Vly	0700									
C-FIRX	1	S61	Scott Vly	0700									

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
Water Dropping		As Needed		
Recon		As Needed		
Short Haul	H407PA	As Needed		
Cargo		As Needed		



# M.I.S.T. GUIDELINES ( SRF – KNF – SHF )

## MINIMUM IMPACT SUPPRESSION TECHNIQUES

Wilderness areas are areas that are protected by law and are managed to preserve their natural conditions for present and future generations. The following Minimum Impact Suppression Techniques (MIST) are guidelines intended to significantly reduce the impacts associated with fire suppression and incident management activities in Wilderness areas.

### SAFETY

Safety is of paramount importance. Incident personnel should constantly be aware of their surroundings and the Eight Principles of Safety, the 10 Standard Firefighting Orders and the 18 Watchout Situations when applying MIST techniques.

### LINE OPERATIONS

- Use natural barriers, wet line or cold trail techniques, rather than constructing line. Consider burnout from natural barriers to minimize line construction.
- When constructed line is necessary, use the minimum width, depth and canopy clearance necessary to check fire spread, based on fire behavior. Locate line to minimize impacts. Consider use of fireline explosives for line construction.
- Do not put line construction debris in streams.

### GREEN TREES, BURNED TREES AND SNAGS

- Scrape around tree bases near fireline if hot and likely to cause fire spread.
- Inside fireline: remove or limb only those fuels that if ignited would have potential to spread fire outside the fireline.
- Identify hazardous trees with an observer or flagging.
- Use Saw Use guidelines.

### SAW USE

- Minimize the amount of cutting.
- Live trees will not be cut, unless it is determined they will cause fire spread across the fireline or endanger workers or the public.
- Slope/angle saw cuts away from line of sight to minimize visual impacts. Rub dirt or ash on stumps and log ends to camouflage them. Do not crosshatch/etch.
- If trees must be felled inside the line, do not limb or buck them. Allow the fire to consume them.

### INDIRECT ATTACK

- Do not fall snags on the intended unburned side of the constructed fireline, unless they are safety hazard to crews or the public.
- On the unintended burn-out side of the line, fall only those snags that would reach the fireline should they burn and fall over.
- Consider alternative means to falling, i.e., fireline explosives, bucket drops.
- Consider all items in Section B, the Fire Line Phase.

### AIR OPERATIONS

- Limit the use of retardant. Use water drops (preferred) or foam instead. When foam or retardant use is appropriate, avoid dropping near surface water.

### HELISPOT CONSTRUCTION

- Minimize the number of helispots constructed in Wilderness.
- Evaluate carefully whether it is necessary to construct a helispot or whether an alternative outside Wilderness can be used.
- If a helispot is only needed for logistical support to deliver and retrieve supplies or gear, consider using a long line remote hook in lieu of constructing a helispot. If a helispot is needed for crew shuttle, consider the minimum size helicopter that could do the job and still meet suppression objectives.
- Use natural openings as much as possible. If some tree falling or cribbing is necessary, avoid high visitor use locations unless the modifications can be rehabilitated to be generally unnoticeable. Feather the opening so that it appears more natural looking.
- Whenever possible, the Resource Advisor should provide specific instructions and observe the construction of helispots.
- Naturalize helispots before abandoning

### SPIKE CAMPS AND CAMP ACTIVITIES

- Camps and other facilities will be located outside of wilderness whenever possible.
- A Resource Advisor will be consulted prior to establishing spike camps and use will be discontinued if resource damage occurs.

### MOP-UP PHASE

- Cold trail rather than scraping or digging whenever possible to detect hot areas.
- Roll or drag fuels into the interior and allow them to burn out, rather than mopping them up and roll logs rather than bucking.
- Pull hot material away from the bases of trees, rather than felling them.
- Remove or limb only those fuels that if ignited, have potential to spread outside the fireline.

## PERSONAL CONDUCT

**Leave No Trace – Pack it in - Pack it out**

**Confirmed approval for use of mechanized equipment – Chainsaws / Helicopter Use**

## The 5-D System for Effective Waterbars

When locating and building waterbars, place them the right **distance** apart, at a **diagonal** to the fireline, so that they **divert**, then **discharge**, then **dissipate** the energy of the flowing water. Be sure to make them deep enough so they'll be durable, and that soil does **not block** the water bar outlet.

### Recommended spacing for waterbars on firelines.

Fireline slope %	Maximum Distance Apart (feet)
1-5	200
6-20	125
21-40	60
41-60	40
>60	25

*Waterbars should be at least 2 pulaski widths (4-6 inches) wide and 12-24 inches high for handlines.*

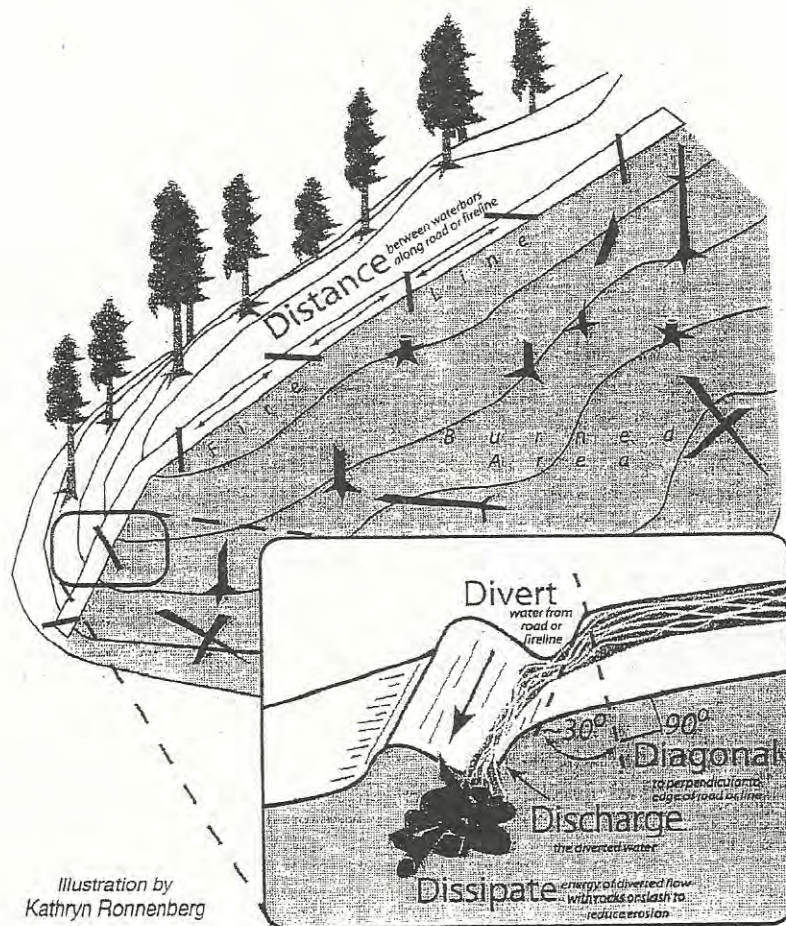


Illustration by  
Kathryn Ronnenberg

## ***TRAINING SPECIALIST MESSAGE***

All open training packages must be "closed out" with the Training Specialist, prior to demob in order to receive incident credit for your assignment.

The TNSP desk is in the ICP - and is located in the ICP adjacent to Check-in.

*Brad Smith*  
Training Specialist



## PENDING DEMOBS

**09/02/2013**

O-287	(STEN)	MANNING, ANTHONY P
O-444	(COML)	BROWN, KEITH P
O-14	(EQPM)	HORENBERGER, PAUL A
O-89	(SOFR)	VERDIE, ROBERT
O-66	(HUC)	HC GRASS LAKE-FUM
O-248	(HMGB)	GORDON, KEN
O-361	(COST)	LUCIEN, WILLARD KENNY
O-372	(RCDM)	RINGUETTE, TOBEY
E-30	(PU)	PICKUP 1//2-3/4 TON-WILLIAM K
E-275	(ENG3)	AZ #301 (ST #3)
E-277	(ENG3)	AZ #570 (ST#3)
E-279	(ENG3)	SHILO (ST#3)
E-280	(ENG3)	AZ #1975 (ST#3)
E-293	(REF)	T1-52' REFRIDGERATED TRAILER

**09/03/2013**

O-131	(RCDM)	JIMENEZ, ALLEJANDRO
O-342	(PTRC)	SCHLUMPH, ERIC
O-46	(SOFT)	WEINELL, MATTHEW WADE
O-103	(RADO)	FILLMORE, HELEN M
O-108	(FEMP)	MALLET, MIKE
O-109	(FEMP)	DOTY, DAVIS
O-110	(FEMP)	WILCOX, COX
O-111	(FEMP)	OWEN SCOTT
O-123	(FEMT)	CONN, BRIAN
O-160	(SECM)	KNOTT, JEFFREY
O-197	(READ)	TANORI, ERNESTO
O-198	(READ)	BRYANT, DUSTIN L
O-19	(FDUL)	BAKER, REBECCA A
O-321	(STEN)	JONES JAMES
O-322	(STEN)	CARTER, WALT
O-384	(HEQB)	VANCE, WILLIE T

O-102	(PIO2)	HUBRIGH,T RUSSELL P
E-282	(ENG3)	CHAMPION/MTR (ST#3)
C-68	(HC2)	CREW-T2IA-TALLAC
C-5	(CC)	CREW-CAMP-SACRAMENTO 1

**09/04/2013**

O-43	(SOF2)	MUNNS, JAMIE MARK
O-99	(PIO2)	BEAVANS, GWEN
O-174	(RADO)	CHRISMER, FRANK
O-363	(DPRO)	HARLAN, SCOTT
O-367	(SCKN)	PADILLA, JUAN C
O-107	(SOFR)	MILLER, RAY E
O-126	(PIO2)	WAHLERS DENNIS
E-33	(CHIP)	CHIPPER TY3 DIAMOND ROAD
C-6	(CC)	CREW-CAMP-GREENWOOD 2

**IF YOU ARE ON THIS LIST SEE OR CALL DEMOB RIGHT AWAY IF YOU ARE FLYING AND HAVE NOT YET MADE YOUR TRAVEL ARANGMENTS WITH DEMOB.**



