

ELK COMPLEX

Incident Action Plan

August 2, 2007

0600 - 2000

*IT'S MOP-UP TIME, DON'T GET COMPLACENT
STAY FULLY ENGAGED AND ALERT!*

DRIVING ISSUES

- Keep Speeds down
- Lights on
- Seat Belts On

HAZARD TREES

- Identify & Flag
- Stay Alert for Uphill

Rolling Material

Hydration

- Very HOT today
- Drink before, during & after shift

RE-BURN POTENTIAL

- Be alert for re-burn in all Divisions
- Establish Escape Routes and Safety Zones
- Have good eyes on the fire at all times

Always do a Risk Analysis Before You Engage in any
Operation

CA-KNF-0003176

KLAMATH NATIONAL FOREST

Northern California Incident Management Team 1

<p style="text-align: center;">Incident Objectives</p>	<p>1. Incident Name</p> <p style="text-align: center;">ELK COMPLEX</p>	<p>2. Date Prepared</p> <p style="text-align: center;">08/01/07</p>	<p>3. Time Prepared</p> <p style="text-align: center;">1632</p>															
<p>4. Operational Period</p> <p style="text-align: center;">08/02/07 Thursday Day Shift 0600 - 2000</p>																		
<p>5. General Control Objectives for the incident (include alternatives)</p> <p>SAFETY Safety is a CORE VALUE and is to be integrated into all incident activities.</p> <p>CONTROL OBJECTIVES Keep fires: -- West of Grider Ridge -- East of Siskiyou Wilderness -- South of Slater Butte -- North of Pigeons Roost</p> <p>Protect communities of Happy Camp, Elk Creek and outlying private properties. Mitigate impacts to cultural and natural resources. Ensure ground and aviation suppression actions are coordinated and timely.</p>																		
<p>6. Weather Forecast for Period</p> <p>See attached spot weather forecast.</p>																		
<p>7. General Safety Message</p> <p>Stay aware of the surrounding environment. Current burning conditions and fire behavior are picking up. Post lookouts, and identify escapes routes. Other hazards to be aware of are steep, rocky terrain, rolling materials, and very hazardous driving conditions.</p>																		
<p>8. Attachments (mark if attached)</p>																		
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td style="width: 33%;"><input type="checkbox"/> Incident Map</td> <td style="width: 33%;"><input checked="" type="checkbox"/> Fire Behavior Forecast</td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Safety Message</td> <td><input checked="" type="checkbox"/> Human Resource Message</td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS205</td> <td><input type="checkbox"/> Traffic Plan</td> <td><input checked="" type="checkbox"/> Phone List</td> </tr> <tr> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Camp Map</td> <td><input checked="" type="checkbox"/> Unit Log</td> </tr> <tr> <td><input checked="" type="checkbox"/> Air Operations Summary - ICS 220</td> <td><input checked="" type="checkbox"/> Fire Weather Forecast</td> <td><input type="checkbox"/> Traffic Map</td> </tr> </table>				<input checked="" type="checkbox"/> Organization List - ICS 203	<input type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Fire Behavior Forecast	<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Safety Message	<input checked="" type="checkbox"/> Human Resource Message	<input checked="" type="checkbox"/> Communications Plan - ICS205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> Phone List	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Camp Map	<input checked="" type="checkbox"/> Unit Log	<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Fire Weather Forecast	<input type="checkbox"/> Traffic Map
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<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Fire Weather Forecast	<input type="checkbox"/> Traffic Map																
<p>9. Prepared by (Planning Section Chief)</p> <p>Gary Risling, PSC2</p>	<p>10. Approved by (Incident Commander)</p> <p>Kent Swartzlander, IC</p>																	

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name ELK COMPLEX		Day Ops/Planning Ops	PETE DUNCAN / ALEC LANE (T)
2. Date Prepared 08/01/07		3. Time Prepared 1733	Planning Ops PAUL BANNISTER
4. Operational Period 08/02/07 Thursday Day Shift 0600 - 2000		a.	
Position		Division A/B/C	SMITH / SAVAGE (T)
Name		Division L/M	CHRIS STEVENS
5. Incident Commander and Staff		Division N	JEFF BARNHART
Incident Commander	KENT SWARTZLANDER	Division O/P	MIKE SANDOVAL
Deputy	DAVE SINCLEAR	Division S/T	DAVE PERIERA
Safety Officer	JIM MACKENSEN	Division Q/R/U/V	UNSTAFFED
Information Officer	Y. JONES/ P. SWANSON/ G. GEER		
Human Resource Officer	GARY SAMAHA	b.	
6. Agency Representative		Group Fire Repair	BOB KELNER
Agency	Name		
Agency Administrators	DON HALL		
Resource Advisor	GARR ABBAS		
Karuk Tribe	HAROLD TRIPP / NORM GOODWIN		
Technical Spec	BOB RONSSE		
Cal Fire; Siskiyou Sheriff Office; HCVFD	JOHN EVANS / KIRK EDIE		
7. Planning Section		c.	
Chief	GARY RISLING	Branch Director	
Deputy	MARK WURDEMAN	Division	
Resources Unit	L. CHARBONNIER/ R. MUSTATIA (T)	Division	
Situation Unit	CHRIS WIKEEN / BERT BYERS(T)	Division	
Documentation Unit	LOU ANN CHARBONNIER	Division	
Demobilization Unit	GARY DEBOI		
Fire Behavior Analyst	HUGH SCANLON		
Meteorologist	BRETT LUTZ	d. Air Operations Branch	
Training Specialist	DOMINIC PANNO	Air Operations Branch Director	ERICH SCHWAB
GIS Specialist	K. FELKER / S. CMEHIL-WARN	Helibase Manager	STEVE BEALL
Computer Specialist		Air Attack Supervisor	STAN KUBOTA
		Air Support Supervisor	
		Helicopter Coordinator	
		Air Tanker Coordinator	
8. Logistics Section		10. Finance Section	
Chief	P. MONTGOMERY / G. MOON (T)	Chief	LOIS CHARLTON
Deputy	MIKE JELLISON	Deputy	
Supply/ Receiving & Distribution	TOM CHARLTON/ RON PIERCE	Time Unit	SISSIE ANZORA
Facilities Unit	FRANK DELCARLO	Procurement Unit	PJ VILHAUER
Ground Support Unit	HARRY ZABEL / JOHN COMACHO	Compensation/Claims Unit	MONA LAKE
Communications Unit	KEN EARLE (T)	Cost Unit	ADELE HENDERSON
Medical Unit	KEN KUMPE	Prepared by (Resource Unit Leader)	
Security Unit	TOM DODD	RITA MUSTATIA (T)	
Food Unit	JAY WESTLAKE		

Fire Weather Forecast

FORECAST NO: 38

NAME OF FIRE: Elk Complex

PREDICTION FOR: DAY SHIFT

UNIT: Klamath NF

SHIFT DATE: August 2nd, 2007

SIGNED:

TIME AND DATE 2100 PST
FORECAST ISSUED: August 1st, 2007

Incident Meteorologist
Brett T. Lutz

WEATHER DISCUSSION: Mid-high level moisture moving over the area will bring a slight chance of dry thunderstorms to the Elk Complex today. The threat will be higher east and north of the Elk Complex near the Trinity Alps and Cascades. Strong upper level High pressure will begin to weaken today and will continue weakening through the weekend. This will bring a sustained cooling trend to the Complex.

THURSDAY:

WEATHER: Mostly Sunny. Smoke west of active fires until 2-4pm. Scattered build-ups and a slight chance of thunderstorms. A higher chance of T-storms north and east of the Elk Complex.

TEMPERATURES: 100-105 below 2000ft, 93-99 2000ft to 3500ft, and 87-92 above 3500 ft.
Trend: Down 2-4, except little change along the Klamath River.

MIN HUMIDITY: 18-28% below 2500ft, 23-38% above 2500ft. **Trend: Up 5-10%.**

20 foot WINDS:

RIDGETOPS- SE 5-10mph through 10am, then becoming W 7-12mph with gusts 12-17mph.
Trend: Up 2-3 and a directional change.

SLOPES/VALLEYS- Down-slope/down-valley 3-6 mph through 10am, becoming upslope and up-valley 6-10 mph in the afternoon. Southwest gusts 12-17mph along the Klamath River after 2pm. **Trend: Little change, except up 2 along the Klamath.**

STABILITY/INVERSION: Inversion near 5500 ft MSL, breaking noon-2pm except 4pm W of active fires.

HAINES INDEX: 4 due to decreasing stability over the area.

THURSDAY NIGHT:

WEATHER: Mostly Clear. Smoke gathering below the inversion after 10pm, especially west of active fires.

TEMPERATURES: 50-55 below 3000ft, and 55-60 from 3000ft to the ridges. **Trend: Down 5.**

MAX HUMIDITY: 85-100% valleys, 65-85% 1500-2500ft, and 55-65% 2500ft to ridges. **Trend: Up 15-25%.**

20 foot WINDS: RIDGES: WNW 7-12mph with gusts 12-17mph, diminishing after 10pm and becoming NE-E 4-8 mph. **Trend: Little change.**

SLOPES/VALLEYS: Upslope and up-valley 6-10mph in the evening. SW gusts 12-17mph on the Klamath River through 8pm. Wind then diminishing and becoming down-slope and down valley 4-8mph after 10pm. **Trend: Little change.**

STABILITY/INVERSION: Inversion near 4500 ft MSL after 10pm.

HAINES INDEX: 3 Low

EXTENDED FORECAST: Friday-Sunday: Mostly Clear and not as hot. Cooler each day with generally higher RH each day. Smoke late night-mornings. Highs 78-88 mid-upper slopes/ridges, and 88-98 low to mid elevations. Lows in the mid 50s to mid 60s. Min RH 20-30% lower slopes, ridges/upper slopes 40-55%.

OBSERVED WEATHER:

Klamath Canyon (930 ft): High Tuesday 106, Min Humidity 20% @ 1628
Happy Camp (1500 ft): High Tuesday 103, Min Humidity 18% @ 1445
Titus FRWS17 (3700 ft): High Tuesday 94, Min Humidity 22% @ 1535
Slater Butte (4670 ft): High Tuesday 93, Min Humidity 19% @ 1545 and 1244, respectively

FIRE BEHAVIOR FORECAST NO. 31

NAME OF FIRE: Elk Complex PREDICTION FOR: Day Shift
AGENCIES: USFS, BLM, BIA, Siskiyou SO, CDF SHIFT DATE: 08/02/07 (Thursday)
TIME AND DATE SIGNED: H. Scanlon, FBAN
FORECAST ISSUED: 08/01/07 2100 Hours

WEATHER SUMMARY: Clear and dry, smoky west. Slight chance of dry thunderstorms this afternoon. High temps 87 to 105°F, lowest RHs in the 18 to 38% range, and winds on the ridge tops NE 5 - 10 in the morning, becoming W at 7 - 12 gusts to 17 mph in the afternoon. Klamath River canyon winds upslope and up canyon to 6 - 10, gusts to 17 MPH by afternoon. See attached fire weather forecast issued 8/01/07 at 2100 hours.

FIRE BEHAVIOR GENERAL:

Fire activity is minimal in the morning, becoming active with surface fire and occasional torching during peak conditions. The topography is very complex, steep, and rugged. Fuels are primarily brush, plantations, and timber litter, with some sparse rocky terrain. Heavy fuels are holding heat until afternoon, when dead ground fuels become the main carrier of fire. Most fuels, except plantations, are receptive to burning. Short runs occurring where fuel, topography, and weather are in alignment. Live fuel moistures in the mid-80% range. The inversion should break out by 1400, however trapped smoke may enhance the effect in the DIV T area. Peak burning conditions start around 1400 and continue through 1900 hrs.

Fire Behavior – Optimal Alignment

Fuel Type	ROS (ft./min) Fwd.	ROS Flank	ROS Back	FL (ft.)	Spotting (mi.)	pI
Sh3 Mod load shrub, plantations	3 - 6	0 - .4	0 - .2	1 - 3	0.15	58
T18 Timber litter	5 - 9	0 - .6	0 - .3	1 - 4	0.19	58

Local Thresholds: These factors in combination with a high ERC may greatly increase fire behavior: 20' wind speed over 7 mph; RH less than 25%; temperature over 81°; ERC over 46. Avg. BI for 8/2 - 55.

Observed ERC/BI Oak Knoll 8-01: 64 / 52 Predicted ERC/BI 8-02: 65 / 52

SPECIFIC:

Divs A,B,C: Interior burn in heavy logs and stumps, but green islands may still initiate burning. Threat is diminishing as heavy fuels burn out.

Divs L,M,N,O,P: Surface fire with slow spread rates, occasional torching in jackpots. Burning is active in heavy fuels. Areas near lines were relatively cool. Interior holds many green islands that may still burn. Rolling material can ignite receptive fuels, making gradual short runs. Conditions for holding and mop-up will be favorable.

Divs S,T: Slow fire advance and heavy fuels burnout through the shift. Fire slowly backing towards the Klamath River. Burning snags effective at depositing embers downslope, down wind, and laterally. Occasional short runs where fuels, wind, and slope align. Hot material likely next to the line after yesterday's firing operation. Conditions favorable for holding and mop-up.

AVIATION OPERATIONS: Visibility poor west of the fire until the trapped smoke clears out.

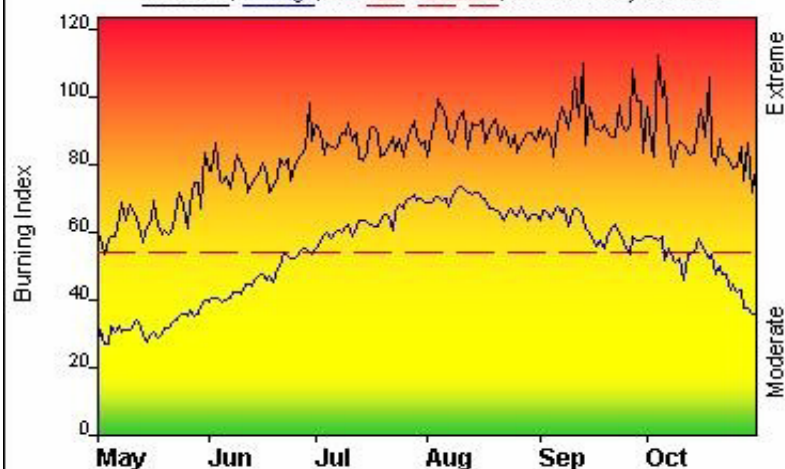
SAFETY: As the fire moves interior and poses less threat to the lines, don't become complacent. Conditions are hot and dry, and this landscape can prompt rapid changes in the fire dynamics. Don't be surprised by the unexpected, and coordinate efforts to mitigate the hazards.

Sunrise: 0609

Sunset: 2029

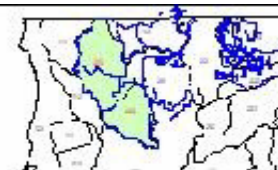
FIRE DANGER -- Western Klamath NF

Maximum, Average, and 42th Percentile, based on 33 years data



Fire Danger Area:

- ◆ FDRAs 200 & 202
- ◆ FWZ CA280
- ◆ 40203 40222 40225 40231
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



- EXTREME** -- Use extreme caution
- (Caution)** -- Watch for change
- Moderate** -- Lower Potential, but always be aware

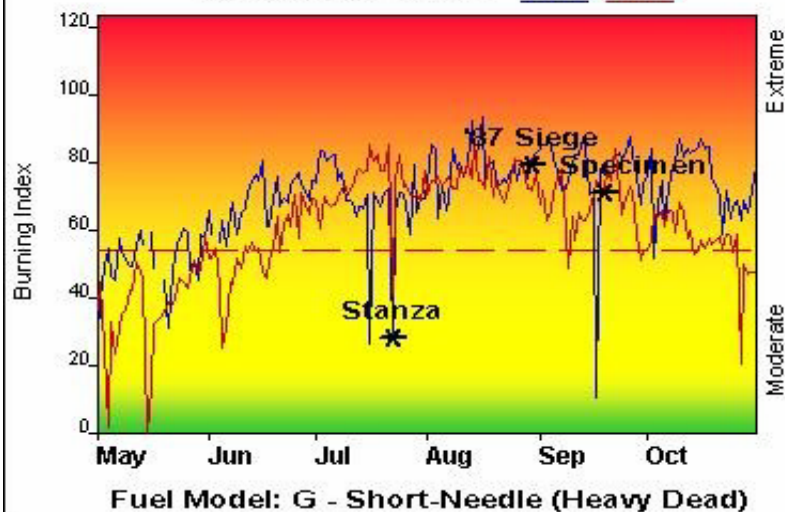
Maximum -- Highest Burning Index by day for 1972 - 2004

Average -- shows peak fire season over 33 years (5481 observations)

42th Percentile -- Only 42% of the 5481 days from 1972 - 2004 had an Burning Index below 54

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
 20' Wind Speed over 7 mph, RH less than 25%,
 Temperature over 81, Energy Release Component over 45

Years to Remember: 2002 1994



Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

Past Experience:

*RAWS data from: Blue Ridge, Sawyers Bar, Slater Butte, Somes Bar. *300 acre fires increase at BIs of 52 and above. *Beware afternoon winds in major canyons. *Multiple lightning ignitions can overwhelm IA resources. *Large fires can and do occur at lower indices.

**NOTE: Local thresholds for Wind, RH and Temp reflect observations from the Sawyers Bar RAWS and represent conditions in the lower river canyons.

Responsible Agency: USFS - Region 5 - Klamath NF

FF+3.0.5 07/24/2005-15:13 (C:\Firestuff\Fire Family Plus305m db\FFP_knf2003am db.m db)

Design by NWCG Fire Danger Working Team

Division Assignment List		1. Branch		2. Division/Group Div A / B / C			
3. Incident Name ELK COMPLEX		4. Operational Period 08/02/07 Thursday Day Shift 0600 - 2000					
5. Operations Personnel							
Operations Chief	PETE DUNCAN / ALEC LANE (T)		Division/Group Supervisor	MIKE SMITH / ALBERT SAVAGE (T)			
Operations Chief			Air Attack Supervisor	STAN KUBOTA			
Branch Director			Safety Officer	JIM MACKENSEN			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
CRW2IA LOST RIVER	NICK LEE	20	N	Per DIVS	Per DIVS		
CRW2 BLACK EAGLES 3	ROBERT K BROWN	20	N	Per DIVS	Per DIVS		
SRF ENG 11	STEVE DIAZ	5	N	Per DIVS	Per DIVS		
WT2 AQUILA #114 (E-166)	MARK HARRIS	2	N	Per DIVS	Per DIVS		
WT 2 DARRAH (E-6)	DAVE NICOSON	1	N	Per DIVS	Per DIVS		
DOZ2 THOMAS (E-257)	MARK THOMAS	2	N	Per DIVS	Per DIVS		
DOZ2 GOLDEN HOOF (E-145)	JESSE TURNER	2	N	Per DIVS	Per DIVS		
DOZB	BOWDLER / JOHNSON (T)	2	N	Per DIVS	Per DIVS		
CHIPPER KARUK TRIBE (E-295)	WILLIAM TRIPP	3	N	Per DIVS	Per DIVS		
EMTP	DANIEL REESE	1	N	Per DIVS	Per DIVS		
EMTB	ROBERT WALTERS	1	N	Per DIVS	Per DIVS		
SOFR	SCOTT LINDGREN	1	N	Per DIVS	Per DIVS		
7. Control Operations							
-- Continue to mop-up and patrol 150 from control line. -- Utilize air support as necessary. -- Chip road areas as needed per DIVS. Dozers to continue fireline repair.							
8. Special Instructions							
-- Construct waterbars on all hand and dozer lines as needed. -- Stay 500 feet or more down stream of any confluence for dipping or drafting operations. -- Fill watertenders at designated sites only. -- COLLECT and BACKHAUL all garbage and un-needed equipment to nearest drop points. Inventory remaining equipment and notify Logistics of drop point locations for backhaul. -- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways. -- Secure all fuel supplies to prevent fuel spills.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command North	168.7000N	170.9750N		NIRSC	1	NIFC C-1	
Command East	166.6125N	168.4000N		NIRSC	2	NIFC C-4	
Tactical Div/Group	168.0500N	168.0500N		NIRSC	5	NIFC TAC-1	
Air to Ground	165.6000N	165.6000N		NIRSC	11		
Prepared by (Resource Unit Leader) Rita Mustatia (T)		Approved by (Planning Section Chief) Gary Risling			Date Prepared 08/01/07		Time Prepared 1632

Division Assignment List			1. Branch		2. Division/Group Div O / P		
3. Incident Name ELK COMPLEX			4. Operational Period 08/02/07 Thursday Day Shift 0600 - 2000				
5. Operations Personnel							
Operations Chief		PETE DUNCAN / ALEC LANE (T)		Division/Group Supervisor		MICHAEL SANDOVAL	
Operations Chief				Air Attack Supervisor		STAN KUBOTA	
Branch Director				Safety Officer		JIM MACKENSEN	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CRW1 BRECKENRIDGE HS		ADAM L SANDERS		18	N	Per DIVS	Per DIVS
CRW1 KLAMATH HS		CLEM, JOHNNY L		22	N	Per DIVS	Per DIVS
CRW2 OTTAWA #1		ROBERT GARRISON		20	N	Per DIVS	In camp @ 1230
CRW2IA SALYER		ROBERT J RATHJEN		20	N	Per DIVS	Per DIVS
CRW2 OC 25		DONNA A BRETON		19	N	Per DIVS	Per DIVS
ENG S/T PNF 3660C		CHEVEYO MUNK		27	N	Per DIVS	Per DIVS
WT2 DARRAH LOGGING (E-27)		KEITH PIERCE		1	N	Per DIVS	Per DIVS
WT2 WILLIAMS (E-165)		AVRIL WILLIAMS		1	N	Per DIVS	Per DIVS
GRADER - DARRAH (E-142)		KEITH DARRAH		1	N	Per DIVS	Per DIVS
LOWBOY FOR GRADER (E-161)				1	N	Per DIVS	Per DIVS
CHIPPER BURKE (E-293)		TIM BURKE		1	N	Per DIVS	Per DIVS
FOBS		PAUL SAVONA		1	N	Per DIVS	Per DIVS
FOBS		MATTHEW WATSON (T)		1	N	Per DIVS	Per DIVS
SOF2		RICHARD BROWN		1	N	Per DIVS	Per DIVS
SOF2		JEFF HARTER (T)		1	N	Per DIVS	Per DIVS
EMTP		PHILLIP CRAMBELT		1	N	Per DIVS	Per DIVS
EMTB		CLAYTON MILLS		1	N	Per DIVS	Per DIVS
7. Control Operations -- Continue to mop-up and patrol 200 feet in along control lines where safe.							
8. Special Instructions -- Share Safety Officers with Divisions L/M and N -- Construct water bars on hand and dozer line as needed. -- Stay 500 feet or more down stream of any confluence for dipping or drafting operations. -- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways. -- COLLECT and BACKHAUL all garbage and un-needed material and equipment to nearest drop points. Inventory remaining equipment and notify Logistics of drop point locations.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command East	166.6125N	168.4000N		NIRSC	2		
Command South	173.0375N	167.3250N		NIRSC	3		
Tactical Div/Group	166.7750 N	166.7750 N		NIRSC	8	BLM TAC-2	
Air to Ground	165.6000N	165.6000N		NIRSC	11		
Prepared by (Resource Unit Leader) Erin Ernst (T)			Approved by (Planning Section Chief) Gary Risling			Date Prepared 08/01/07	Time Prepared 2132

Division Assignment List			1. Branch		2. Division/Group Div S / T		
3. Incident Name ELK COMPLEX			4. Operational Period 08/02/07 Thursday Day Shift 0600 - 2000				
5. Operations Personnel							
Operations Chief		PETE DUNCAN / ALEC LANE (T)			Division/Group Supervisor		DAVID M PEREIRA
Operations Chief					Air Attack Supervisor		STAN KUBOTA
Branch Director					Safety Officer		JIM MACKENSEN
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CRW1 TAHOE HS		TODD WHITE		20	N	Per DIVS	Per DIVS
CRW1 SALMON RIVER HS		JAMES L ALLEN		21	N	Per DIVS	Per DIVS
CREW - T2IA - MAD RIVER		JOHN MARTINEZ		19	N	Per DIVS	Per DIVS
CRW2 FSR 9		BILL WELDON		18	N	Per DIVS	Per DIVS
ENGINE S/T - T3 - 3630C		WARLICK/ GRAHAM		27	N	Per DIVS	Per DIVS
WT2 DARRAH LOGGING (E-57)		KEITH DARRAH		1	N	Per DIVS	Per DIVS
FELB		CHUCK LEWIS		1	N	Per DIVS	Per DIVS
FALC - NZ MOD 2		STACHER/ STEWART		2	N	Per DIVS	Per DIVS
TFLD		YVONNE JONES (T)		1	N	Per DIVS	Per DIVS
SOF2		RONALD W TAYLOR		1	N	Per DIVS	Per DIVS
SOF2 (T)		THOMAS KELLY (T)		1	N	Per DIVS	Per DIVS
FOBS		EMERY GLUCK		1	N	Per DIVS	1200 for Demob
FOBS		JOHN MCCLELLAND		1	N	Per DIVS	Per DIVS
EMTP		KEVIN ROSE		1	N	Per DIVS	Per DIVS
EMTB		GREG POWELL		1	N	Per DIVS	Per DIVS
7. Control Operations							
-- Mop up from previous day's burnout.							
-- Fallers to fall hazard trees as required							
8. Special Instructions							
-- Construct water bars on hand and dozer line as needed.							
-- Stay 500 feet or more down stream of any confluence for dipping or drafting operations.							
-- Fill watertenders at designated sites only.							
-- Be aware of cultural concerns in area.							
-- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways.							
-- COLLECT and BACKHAUL all garbage and un-needed material nearest drop points. Inventory remaining equipment and notify Logistics of drop point locations.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command North	168.7000N	170.9750N		NIRSC	1		
Command South	173.0375N	167.3250N		NIRSC	3		
Tactical Div/Group	168.2500N	168.2500N		NIRSC	9	BLM TAC-3	
Air to Ground	165.6000N	165.6000N		NIRSC	11		
Prepared by (Resource Unit Leader) Erin Ernst (T)			Approved by (Planning Section Chief) Gary Risling			Date Prepared 08/01/07	Time Prepared 2134

Division Assignment List		1. Branch		2. Division/Group FIRE REPAIR GROUP			
3. Incident Name ELK COMPLEX		4. Operational Period 08/02/07 Thursday Day Shift 0600 - 2000					
5. Operations Personnel							
Operations Chief	PETE DUNCAN / ALEC LANE (T)		Division/Group Supervisor	BOB KELNER			
Operations Chief			Air Attack Supervisor	STAN KUBOTA			
Branch Director			Safety Officer	JIM MACKENSEN			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
READ	GARR ABBAS	1					
ARCH	KENT JULIAN	1					
ARCH	ROSS TROTTER	1					
INCS	HAROLD TRIPP	1					
INCS	NORM GOODWIN	1					
INCS	LAWRENCE WILLIAMS	1					
INCS	GABRIEL MONTGOMERY	1					
INCS	PHILIP COURTS	1					
FOBS	KERRI UGLIK	1					
7. Control Operations Assess and identify suppression impacts on cultural and natural resources. Prepare specific repair instructions for each division.							
8. Special Instructions Team members will check in with divisions sups as they enter and leave divisions. Notify group supervisor Bob Kelner when leaving assigned division and entering another division.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command							
Tactical Div/Group	173.9875N	173.9875N			10		
Logistics							
Air to Ground							
Prepared by (Resource Unit Leader) Rita Mustatia (T)		Approved by (Planning Section Chief) Gary Risling		Date Prepared 08/01/07		Time Prepared 1842	

INCIDENT RADIO COMMUNICATIONS PLAN			1. INCIDENT NAME ELK COMPLEX		2. DATE / TIME PREPARED 08/01/07 2100		3. OPERATIONAL PERIOD 08/02/07 0600-2000	
4. BASIC RADIO CHANNEL UTILIZATION								
SYSTEM / CACHE	CHANNEL	FUNCTION	FREQUENCY		ASSIGNMENT	REMARKS		
NIRSC	1	NIFC C-1	Rx	168.7000 N	COMMAND NORTH			
			Tx	170.9750 N				
NIRSC	2	NIFC C-4	Rx	166.6125 N	COMMAND EAST			
			Tx	168.4000 N				
NIRSC	3	NIFC C-12	Rx	173.0375 N	COMMAND SOUTH			
			Tx	167.3250 N				
NIRSC	4	KNF ORANGE	Rx	168.7750 N	FOREST NET RPT	USE TONE 2, 4, 11		
			Tx	170.5750 N				
NIRSC	5	NIFC TAC-1	Rx	168.0500 N	DIV A/B/C			
			Tx	168.0500 N				
NIRSC	6	NIFC TAC-3	Rx	168.6000 N	DIV L/M			
			Tx	168.6000 N				
NIRSC	7	BLM TAC-1	Rx	166.7250 N	DIV N			
			Tx	166.7250 N				
NIRSC	8	BLM TAC-2	Rx	166.7750 N	DIV O/P			
			Tx	166.7750 N				
NIRSC	9	BLM TAC-3	Rx	168.2500 N	DIV S/T			
			Tx	168.2500 N				
NIRSC	10	R5 TAC-6	Rx	173.9875 N	FIRE REPAIR GROUP			
			Tx	173.9875 N				
NIRSC	11	AIR TO GROUND	Rx	165.6000 N	ALL AREAS A/G			
			Tx	165.6000 N				
NIRSC	12		Rx					
			Tx					
NIRSC	13	R5 TAC-4	Rx	173.9125 N	MEDICAL EVAC	FOR MEDICAL EVAC USE ONLY		
			Tx	173.9125 N				
NIRSC	14	AIR GUARD	Rx	168.6250 N	AIR GUARD	EMERGENCY USE ONLY		
			Tx	168.6250 N				
NIRSC	15		Rx					
			Tx					
NIRSC	16	AIR GUARD	Rx	168.6250 N	AIR GUARD	EMERGENCY USE ONLY		
			Tx	168.6250 N				
ICS 205 9/86 NFES 1330	5. PREPARED BY: (COMMUNICATIONS UNIT) KEN EARLE COM UNIT LEADER (T)							

Priority	Missions	Time		
1	Protect town of Happy Camp, Grider Fire. Top priority!		0800	
2	Recons and mapping with type 3 helicopters		0830	
2	Initial Attack with H-503, additional support as needed		As needed	
3	Support other fires as needed		As needed	
	Air Attack available as needed.		As needed	
	For helitack personnel, manage flight time to avoid 6/36		As needed	
	Line personnel notify Division with needs and visibility reports		As needed	

ELK COMPLEX - INCIDENT RISK ANALYSIS (215a)

DIV	HAZARDS / ISSUES	MITIGATIONS / WARNINGS / REMEDIES	
ALL	SNAG HAZARDS	<ul style="list-style-type: none"> • Follow Hazard Tree Safety Guidelines (IRPG p. 80). • Limit number of personnel around snags and their exposure time; fallers must be qualified for trees being fallen. • Be especially alert around snags during wind events and after dark. • Check overhead for dead branches in sleeping areas. • Maintain Situational Awareness! 	
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> • Drive defensively at all times, drive w/headlights on, use chock blocks, use backers. • Coordinate movement of Day/Night Shift resources with Division Supervisor's • Exercise caution when driving on "out-sloped" roads. • Be alert for wildlife; slow down on washboard surfaces. • Increase following distances on dusty roads. Slow down when you meet opposing traffic. Be able to stop within one half of the visible distance on blind curves. • Watch for Deer/Elk along Hwy. 96 • Maintain Situational Awareness! 	
ALL	FIRING OPERATIONS	<ul style="list-style-type: none"> • A written guideline shall be prepared and approved for major burning ops. • Conduct thorough briefing for all personnel (inside rear cover IRPG). • Qualified personnel for all assignments. Trainees to have qualified trainers. • Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. • Required PPE to be worn by all personnel involved. • Establish LCES prior to implementing burning operations (IRPG p. 6). • Assign an over-all Firing Boss to coordinate ignitions when simultaneous burning operations are planned for multiple locations. 	
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> • Use risk analysis to determine if any given flight is necessary. • Keep personnel out of drop zones. • Use air-to-ground freq. to communicate with aircraft. • Use concise statements & clock directions when directing aircraft. • Maintain good separation between ground forces & aerial ignition. • Avoid "heli-mopping". Eliminate unnecessary pilot exposure. 	
ALL	FATIGUE	<ul style="list-style-type: none"> • Be alert for signs of fatigue and take breaks as necessary. Maintain 2:1 work/rest ratio. Monitor incoming resources for level of fatigue. 	
ALL	HYDRATION	<ul style="list-style-type: none"> • Encourage drinking water before, during and after shifts, up to 1.5 gal. • Be alert for signs of heat stress in yourself and others. 	
M & N	RE-BURN	<ul style="list-style-type: none"> • High Re-burn potential in these Divisions • Keep a good lookout in place • Have good communications established • Identify escape routes and safety zones 	
ALL	THUNDERSTORMS	<ul style="list-style-type: none"> • Chance for Dry Lightning • Review "Thunderstorm Safety" (IRPG p.75) • Allow plenty of time to get to safety due to difficult terrain 	
ALL	FOOT TRAVEL	<ul style="list-style-type: none"> • When walking through steep, rocky, and possibly wet terrain, watch footing and maintain proper spacing. • Watch for over-head hazards, carry tools downhill side. • Treat "hot spots" on feet before they become blisters.. 	
ALL	POTENTIAL FOR EXTREME FIRE BEHAVIOR	<ul style="list-style-type: none"> • Review "Severe Fire Behavior Potential" (IRPG p.76). • Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift. • Maintain adequate escape routes and safety zones. Set trigger points. • Maintain Situational Awareness! 	
08/2/2007 DAY		PREPARED: 08/1/2007 at 2000	Prepared by Jim Mackensen SOF2

ASH PIT HAZARDS

Ash pits are an inherent and invisible risk to wildland firefighters that can cause severe burns and injuries. Ash pits are created when organic combustibles consume underground and empty space is created that is undetectable from the surface.

Environmental factors that increase the risk of ash pit formation after a wildfire:

- Extensive root systems of trees and shrubs.
- Deep duff or peat, the organic layer covering mineral soil.
- Landscapes that have once been cultivated or manipulated by heavy equipment ie, old dozer piles, sawmills, timber sale yards or decking areas.
- Small rodent holes that have become filled with decadent combustible debris ie, beaver holes near dams and stream beds, Badger and Coyote dens.
- White ash is sometimes an indicator as are groups of hovering insects.

Mitigation measures to consider:

- Identification of high risk landscape.
- Identify and flag all hazardous discovered ash pits.

MEDICAL PLAN	1. INCIDENT NAME Eik	2. DATE PREPARED 08-1-07	3. TIME PREPARED 2000hrs	4. OPERATIONAL PERIOD 8/2/07 0600-2000
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5. INCIDENT MEDICAL AID STATIONS			
MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
Frontline Medical	Eik ICP	XX	

6. TRANSPORTATION				
NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Happy Camp Ambulance Medic 23	Happy Camp	530-493-2643		XX
Mercy Flight	Medford, OR	911/530-842-7066	XX	
CHP H-14, H-16 (Rescue Hoist)	Redding, CA	911/530-842-7066	XX	
REACH	Redding, CA	911/530-842-7066	XX	

7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Fairchild Medical Center	444 Bruce Street, Yreka CA	15 min	1.5 hr	530-842-4121		X		X
Rouge Valley Medical	2525 Barnet, Medford OR	20 min	2.5 hr	541-608-4144	X			X
Shasta Regional Medical Center	1100 Butte, Redding CA	30 min	3 hr	530-243-4042	X			X
UC Davis Burn Center	2315 Stockton Blvd., Sacramento CA	2 hr	6 hr	916-734-3544 or Blue Net 155.340	X		X	
Mercy Med Center Level 2 Trauma	2175 Rosaline Ave, Redding CA	30 min	3 hr	530-225-7201	X			X

****Two EMT Paramedics with USAR qualifications and a complement of rope rescue equipment are assigned to the incident. Request "Elk Rescue Group" through Communications. SOF Mackensen will oversee all technical rope rescue operations of the rescue group****

8. MEDICAL EMERGENCY PROCEDURES	
<ul style="list-style-type: none"> In the event of a line medical incident, initiate care with available resources and notify Division Supervisor. The Division Supervisor and/or Line SOF shall determine if the injury can be handled with available resources and recommend the most appropriate method of transportation (Air/Ground). For serious or life threatening injuries, the Division Supervisor and or Branch Director shall contact the Communications Unit to advise the nature and location of the incident and request appropriate additional resources. The Communications Unit shall limit all non essential traffic on command by declaring a "Medical Emergency" and shall then notify the Medical Unit, Safety Officer, and Operations Section Chief of the incident. The Division Supervisor shall coordinate the incident and direct necessary actions. 	<p>√</p> <p><input type="checkbox"/> Patient 1 of _____</p> <p><input type="checkbox"/> Emergency _____ Non Emergency _____</p> <p><input type="checkbox"/> Is a helicopter required for transportation? Yes _____ No _____</p> <p><input type="checkbox"/> Location _____</p> <p>Lat _____ Long _____</p> <p><input type="checkbox"/> Age _____ Sex _____ Weight _____</p> <p><input type="checkbox"/> Severity: Minor _____ Delayed _____ Immediate _____</p> <p><input type="checkbox"/> Chief Complaint _____</p> <p><input type="checkbox"/> Any additional resources required _____</p>

ICS 206

9. PREPARED BY (MEDICAL UNIT LEADER)
Ken Kumpe MEDL

10. REVIEWED BY (SAFETY OFFICER)
Jim Mackensen SOF2

Injury or Incident Communications Protocol

Notify the Communications Unit (ICP) on Command Channel

Provide the following information - Do not transmit the injured persons name

Location _____

Situation _____

Any special equipment required _____

Number of injured _____ Type of injuries _____

Immediate transport required: Yes No

Best method: Ambulance Helicopter Vehicle

Closest pick up point (DP, Helispot) _____

Radio procedures for Communications Unit at ICP

1. Clear the Command or other appropriate channel for Emergency traffic
2. Communications unit will notify the DIVS, OSC, SOF, Med Unit Leader and IC. IC will notify PSC, LSC and PLAN OPS if declaring "Incident with-in an Incident."
3. Notify Air OPS if air transport is requested

Additional Patient Information:

PATIENT #1

Age _____ Gender _____ Agency/Position _____

LOC _____ Vital Signs _____

Injury _____

Weight _____ Medical History/Allergies _____

PATIENT #2

Age _____ Gender _____ Agency/Position _____

LOC _____ Vital Signs _____

Injury _____

Weight _____ Medical History/Allergies _____

HUMAN RESOURCE MESSAGE



Hello, my name is Gary Samaha and I am the Human Resource Specialist (HR SP) assigned to this incident.

I am here to help provide a positive work environment, to support cultural diversity and awareness, and to promote civil rights for everyone involved with this incident.

I am available anytime and am willing to listen to any concern or comment you may have, if I am unable to help, I will do my best to find someone who can.

If there is anyway I can assist you, please do not hesitate to contact me.

**Your Human Resource Specialist,
Gary Samaha**

TRAINING SPECIALIST MESSAGE

All Trainees:

If as much work as possible has been completed in the position task book, trainees may close their assignment with the Training Specialist prior to the demob process.

BEAT THE RUSH!

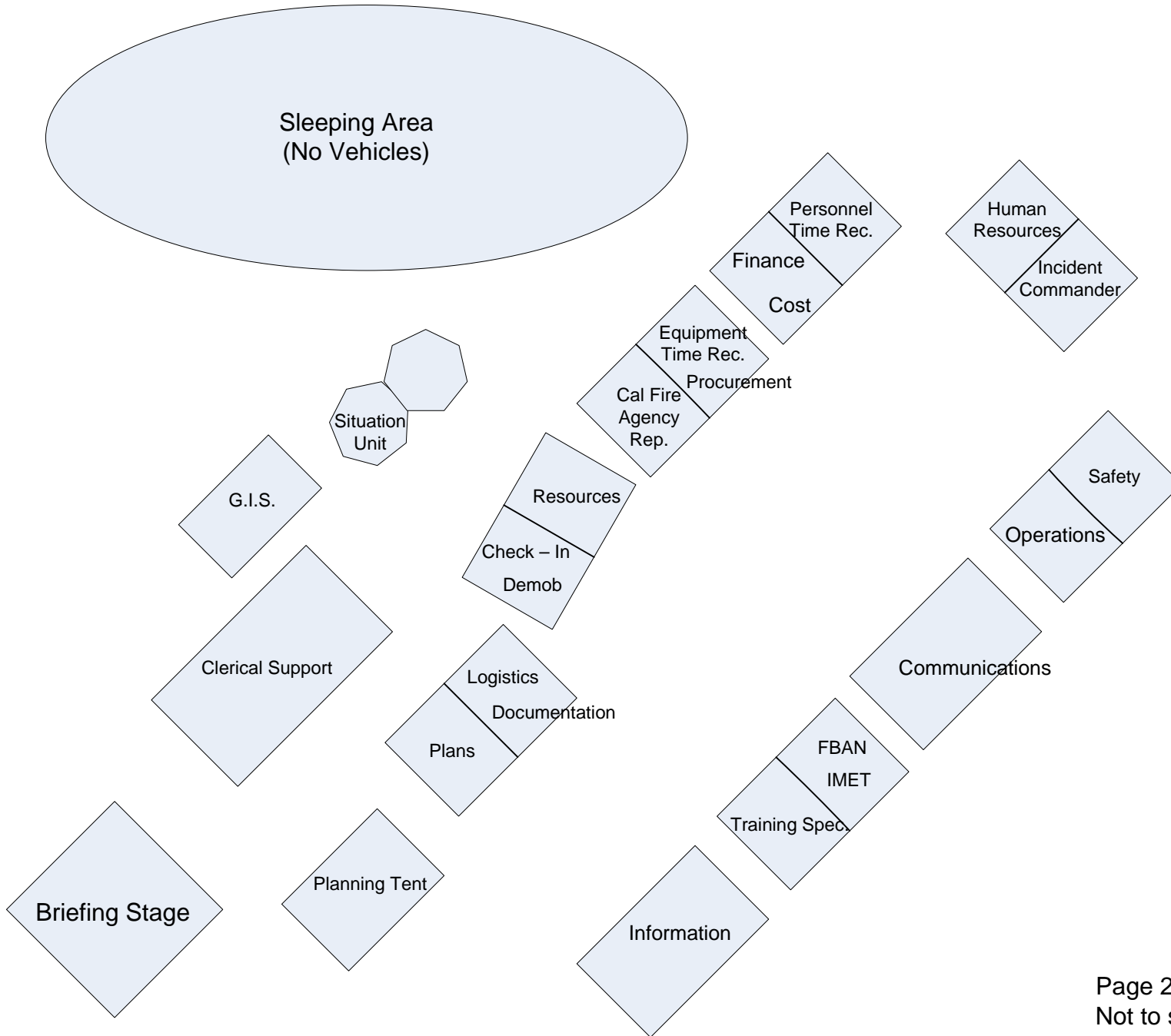
Bring the following to the exit interview

- *A completed and signed Performance Evaluation*
- *Your Task Book, filled in by your trainer*
- *Your Trainer*

Forms are available at the Training Unit

DOMINIC PANNON
Training Specialist

Elk Complex ICP Map



Elk Complex Facilities Map



To Yreka
↑

HWY
96

ICP
(see page 2 for detail)

Parking / Staging

Sleeping Area

Ground Support
Vehicle Wash
Fuel

(.1 mi from HWY 96)



Airport

Helibase

Airport Rd.

Second
Ave.

District
Office

Church

Saw
repair

Feeding

Laundry

No entry

Showers

River Park
(closed to firefighting
resources)

Showers

No entry

Supply



School

Ordering
Supply

Medical

Compensation
Claims

Elk
Creek
Rd.

Lower
Airport
Rd.

(1.2 mi. from Park Way)

To Somes Bar
↙

FIRE SUPPRESSION REPAIR PLAN

The following guidelines are based on the approved Elk Complex Fire Suppression Repair Plan. Full copies of the plan are available for review in Plans, and Resource Advisors are available for questions.

OBJECTIVES

- Minimize surface and gully erosion.
- Minimize sediment delivery to stream channels.
- Restore conditions to pre-fire drainage patterns.

SPECIAL PROVISIONS

- Motorized equipment will be thoroughly cleaned to prevent noxious weed seeds from entering National Forest Lands.
- Materials used in repair work, i.e., straw, mulch, seed etc. will be certified noxious weed free.
- No repair work shall commence at heritage resource sites without consultation with the archaeologist.

GENERAL GUIDELINES

Hand and Dozer Lines

- Install and construct water bars on lines as per the following guidelines, or as directed /marked by the Rehab Team. See attached insert

Fireline Slope	Maximum Spacing (ft)
1-6%	300
7-9%	200
10-14%	150
15-20%	90
21-40%	50
41-60%	25

Note: Modify spacing to take best advantage of rocks, brush clumps and natural drainage as discharge outlets and to avoid unstable terrain.

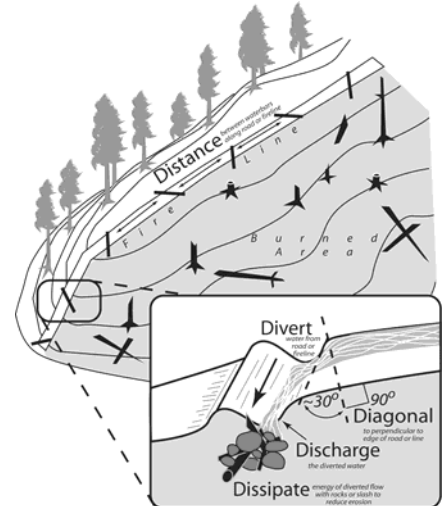
- Where lines cross hiking trails, remove suppression debris, rocks, brush and re-establish the trail subgrade and tread.
- Where short-cutting between trails has occurred, construct barriers with native material.
- Pick up and remove all garbage, flagging, litter and unneeded equipment.
- Breach trenches approximately every 100 feet in logical locations such as dips in the line.
- **Dozer Lines in Defense Zones** – slash will be piled on the unburned side of the line dozer line for later burning. **Do not spread organic material across the line.**
- **Dozer lines in all other areas** – break up or flatten slash on the unburned side of the dozer line. **Do not spread organic material across the line.**
- Where lines cross drainages, loose soil and woody debris should be removed 15 feet on both sides to restore the channel and to ensure that the material will not roll back into the channel.

Trail and Road Repair

- All system roads used for fire suppression will be graded (with a road grader) soon after suppression activities cease.
- All roads opened and bladed with a dozer will be graded using a grader to remove the outside berm and restore rolling dips. Bermed soil will not be sidecast.
- Reestablish and repair all drainage structures to pre-fire or hydrologically self-maintaining conditions.
- Channel crossings will be returned to pre-fire conditions. Remove new fill material and restore channel to it's natural shape. Leave exiting culverts.

Camps and Drop Points

- Pull back brush, berms, rocks and spread over site. Blend site with natural surroundings.
- Remove all flagging, garbage, litter and unneeded equipment.
- Restore sites to pre-fire conditions. Comply with all conditions of any Land Use Agreements.



INCIDENT CONTACT LIST

AIR OPERATIONS // AIR SUPPORT	ERIC SCHWAB	530-598-9373
CAL FIRE AGENCY REP.	HERB LOVE	530-493-1532
CAL FIRE AGENCY REP. CELL	HERB LOVE (cell)	530-200-2505
CA-YICC (CDF DISPATCH)		530-842-7066
CA-YICC (USFS DISPATCH)		530-842-3380
CHECK IN	ERIN ERNST	530-493-1501
COMMUNICATIONS	KEN EARLE	530-493-1526
COMP CLAIMS	MONA LAKE	530-493-1525
COST	ADELE HENDERSON	530-493-1514
DEMOB	GARY DEBOI	530-493-1502
DIVISION CHIEF HCRD	ROD MENDES	530-598-9363
DOCUMENTATION	LOUANN CHARBONNIER	530-493-1511
EQUIPMENT	DEBBIE PARLIN	530-493-1512
EXPANDED CREWS/EQUIPMENT	530-841-4627	530-841-4627
EXPANDED FAX	530-841-4635	530-841-4635
EXPANDED OVERHEAD	530-841-4620	530-841-4615
EXPANDED OVERHEAD	530-841-4615	530-841-4620
EXPANDED SUPERVISOR	530-841-4610	530-841-4610
EXPANDED SUPPLY	530-841-4610	530-841-4630
EXPANDED EQUIPMENT	530-841-4625	530-841-4625
FACILITIES	FRANK DEL CARLO	530-493-1528
FINANCE SECTION CHIEF	LOIS CHARLTON	530-493-1514
FINANCE SECTION CHIEF	ADELE HENDERSON	916-212-6685
FIRE BEHAVIOR	DAN FELIX	530-493-1505
FRONT LINE MEDICAL - TRAILER	ROBERT RUSSELL	530-493-1527
GROUND SUPPORT	HARRY ZABEL	530-493-1789
GROUND SUPPORT LEADER	JOHN CAMACHO	541-290-1455
HAPPY CAMP D.R.	ALAN VANDIVER	530-598-4197
HAPPY CAMP DEPUTY D.R.	DON HALL	530-598-9305
HAPPY CAMP R.D. RECEPTION		530-493-2243
HELIBASE		530-493-1779
HUMAN RESOURCES	GARY SAMAHA	530-493-1534
HUMAN RESOURCES	GARY SAMAHA (cell)	404-357-1516
INCIDENT COMMANDER	KENT SWARTZLANDER	530-493-1518
INFORMATION	YVONNE JONES	530-493-1520
INFORMATION ANSWERING MACHINE		530-493-1519
KARUK TRIBE REP	HAROLD TRIPP	530-593-5174
KLAMATH DISPATCH		530-843-3380
LOGISTICS	LOGISTICS Trailer	530-493-1528
OPERATIONS	PETE DUNCAN	530-493-1523
ORDERING/SUPPLY	TOM CHARLTON	530-493-1529
ORDERING/SUPPLY	TOM CHARLTON	530-493-1530
PLANS	GARY RISLING	530-493-1522
PROCUREMENT UNIT LEADER	P.J. VILHAUER	530-493-1517
RESOURCE UNIT	RITA MUSTATIA	530-493-1511
S.O. RES DEPUTY	JOSH TYGERT (cell)	530-598-1508
S.O. RES DEPUTY	JOSH TYGERT (cell)	530-598-2952
SAFETY	MICHELLE TANZI	530-493-1521
SHERIFF - S.O. DISPATCH		530-493-2338
SITUATION	BERT BYERS	530-493-1515
SUPPLY/ORDERING FAX		530-493-1531
TIME UNIT LEADER	SISSIE ANZORA	530-493-1516
TOZIER'S CLERICAL SUPPORT (FAX)		530-493-1510
TRAINING SPECIALIST	DOMINIC PANNO	530-493-1503
TRANSPORTATION		530-493-1533
UNION REP	SUE ALLEN	530-841-4526
UNION REP (CELL PHONE)	SUE ALLEN	530-598-4119
WEATHER/IMET	BRETT LUTZ	530-493-1504

