

ELK COMPLEX

Incident Action Plan

August 1, 2007

0600 - 2000

"WHEN IT COMES TO SAFETY, REPEAT-REPEAT-REPEAT"

LCES

LCES

LCES

DRIVING ISSUES

- Keep Speeds down
- Lights on
- Seat Belts On

HAZARD TREES

- Identify & Flag
- Stay Alert for Uphill

Trees coming downhill

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;">07/31/07</p>	<p>3. Time Prepared</p> <p style="text-align: center;">1900</p>															
<p>4. Operational Period</p> <p style="text-align: center;">08/01/07 Wednesday 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 private property. Utilize a direct strategy as weather and opportunities exist; Prepare to implement Contingency Plans as needed.</p> <p>MANAGEMENT OBJECTIVES: Provide for positive Community and Tribal Relations. Mitigate impacts to cultural and natural resources. Mitigate impacts to local economy.</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 07/31/07		3. Time Prepared 2135	Planning Ops PAUL BANNISTER
4. Operational Period 08/01/07 Wednesday 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	BARNHART / WEBER (T)
Incident Commander	KENT SWARTZLANDER	Division O/P	MIKE SANDOVAL
Deputy	DAVE SINCLEAR	Division S/T	DAVE PERIERA
Safety Officer	J. MACKENSEN / R. VERDIE	Division Q/R/U/V	UNSTAFFED
Information Officer	Y. JONES/ P. SWANSON/ G. GEER		
Human Resource Officer	MIKE BAINES	b.	
6. Agency Representative		Group Fire Repair	BOB KELNER
Agency	Name		
Agency Administrators	JOHN BUEHLER		
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	KEIJI SETA (T)/ BERT BYERS(T)	Division	
Documentation Unit	L. 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 Unit	TOM J CHARLTON	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	L. CHARBONNIER	
Food Unit	JAY WESTLAKE		

Fire Weather Forecast

FORECAST NO: 36

NAME OF FIRE: Elk Complex

PREDICTION FOR: DAY SHIFT

UNIT: Klamath NF

SHIFT DATE: August 1st, 2007

SIGNED:

TIME AND DATE 2100 PST
FORECAST ISSUED: July 31, 2007

Incident Meteorologist
Brett T. Lutz

WEATHER DISCUSSION: Upper level High pressure will strengthen through this afternoon. Offshore flow this morning will lead to very low humidities today. Low pressure offshore will bring mid-high level moisture northward this afternoon leading to a slight chance of dry T-storms over the Elk Complex, with a higher chance east of the Elk Complex. A cool down with rising humidities is expected Thursday into the weekend.

WEDNESDAY:

WEATHER: Mostly Clear and Very Dry. Smoke S-W of active fires until 3-5pm. Scattered build-ups and a slight chance of late afternoon-evening dry T-storms. A higher T-storm threat exists east of the Elk Complex.

TEMPERATURES: 102-107 below 2000ft, 96-101 2000ft to 4000ft, and 91-96 above 4000 ft, *except 5-10 degrees cooler under the smoke southwest of active fires.* **Trend: Up 1-3.**

MIN HUMIDITY: 12-19%, *except 19-34% under the smoke southwest of active fires.*
Trend: Little change to down 3-5%.

20 foot WINDS:

RIDGETOPS- Northeast to East 12-17mph with gusts 15-22mph, then diminishing and becoming variable at 5-10mph after 10am. Becoming NW 5-10mph with gusts 8-12mph in the afternoon. **Trend: Up 2 early, then a slight directional change.**

SLOPES/VALLEYS- Down-slope/down-valley 3-5 mph through 10am, then variable 1-3 mph. Wind becoming upslope and up-valley 6-10 mph in the afternoon, except southwest up-valley 5-10mph with gusts 10-15mph along the Klamath River in the PM.
Trend: Little change.

STABILITY/INVERSION: Inversion near 5000 ft MSL, breaking around noon, except 3-5pm SW-W of fire.
HAINES INDEX: 4 due to decreasing stability over the area.

WEDNESDAY NIGHT: Poor humidity recoveries along higher slopes and ridges.

WEATHER: A slight chance of evening dry thunderstorms. Otherwise mostly Clear and Very Dry. Smoke gathering below the inversion after 8pm, especially south through west of active fires.

TEMPERATURES: 57-62 below 3000ft, and 62-67 from 3000ft to the ridges. **Trend: Up 2.**

MAX HUMIDITY: 65-75% valleys, 40-60% 1500-2500ft, and 30-40% 2500ft to ridges. **Trend: Down 5%.**

20 foot WINDS: NW-NE 5-10mph with gusts to 15 mph on the ridges in the evening, becoming southeast 5-10mph after midnight. Upslope and up-valley 6-10mph in the evening with gusts 10-15mph, becoming down-slope and down valley 3-6mph. **Trend: Down 3-6.**

EXTENDED FORECAST: Thu-Sat: Mostly Clear except for afternoon cumulus over the ridges in the PM. Isolated thunderstorms NE Thu PM. Highs 93-103 valleys/lower slopes, and 83-93 mid-slopes-5000ft. Lows 53-63. SW winds 7-12mph on the ridges Thu&Sat and NW 5-10 Fri. Light slope/valley winds elsewhere. RH up 5-10% on Thu, then up 10-15% Friday. Temperatures cooling 2-4 degrees each day from Thursday.

OBSERVED WEATHER:

Klamath Canyon (930 ft): High Tuesday 96, Min Humidity 37% @ 1528 and 1328, respectively.
Happy Camp (1500 ft): High Tuesday 106, Min Humidity 14% @ 1645
Titus FRWS17 (3700 ft): High Tuesday 89, Min Humidity 22% @ 1635
Slater Butte (4670 ft): High Tuesday 94, Min Humidity 16% @ 1715

FIRE BEHAVIOR FORECAST NO. 29

NAME OF FIRE: Elk Complex PREDICTION FOR: Day Shift
AGENCIES: USFS, BLM, BIA, Siskiyou SO, CDF SHIFT DATE: 08/01/07 (Wednesday)
TIME AND DATE SIGNED: H. Scanlon, FBAN
FORECAST ISSUED: 07/31/07 2100 Hours

WEATHER SUMMARY: Clear and dry, smoky south and west. Slight chance of dry thunderstorms this afternoon and evening. High temps in the 90s to 107°F, lowest RHs in the 12 to 28% range, and winds on the ridge tops northeast 12 – 17, gusts to 22 mph in the morning, becoming NW at 5 - 10 in the afternoon. Klamath River canyon winds upslope and up canyon to 10, gusts to 15 MPH by afternoon. See attached fire weather forecast issued 7/31/07 at 2100 hours.

FIRE BEHAVIOR GENERAL:

Fire activity is up to seasonal norms. The topography is very complex, steep, and rugged. Fuels are primarily brush, plantations, and timber litter, with some sparse rocky terrain. Heavy fuels and snags are the primary carrier of fire. Most fuels, except plantations, are receptive to burning. Short runs occurring where fuel, topography, and weather are in alignment. Fire is moving down slope from roll out. 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 will start around 1400 and continue thru 2000 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
Tl8 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 late-July 64.

Observed ERC/BI Oak Knoll 7-31: 61 / 52 Predicted ERC/BI 8-01: 62 / 52

SPECIFIC:

Divs A,B,C: Interior burn out diminishing, remaining mostly in heavy fuels. Additional hidden smokes will appear during the afternoon heating.

Divs L,M,N,O: Surface fire with slow spread rates, occasional torching in jackpots. Burning is active in heavy fuels. Areas near lines were relatively cool, but residual heat can still release an ember load. Rolling material will ignite receptive fuels, making gradual short runs. Conditions for holding and mop-up will be favorable along Titus Ridge.

Div P: Slow rates of spread, heavy material burning out resistant to control. Roll out remains a factor. Slight potential for development of high based cumulus, with outflow winds risk dependant on thunderstorm initiation.

Divs S,T: Slow fire advance and heavy fuels burnout through the shift. Burning snags effective at depositing embers downslope, down wind, and laterally. Occasional short runs where fuels, wind, and slope align. The Klamath River tends to be a good barrier to spotting across the canyon.

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

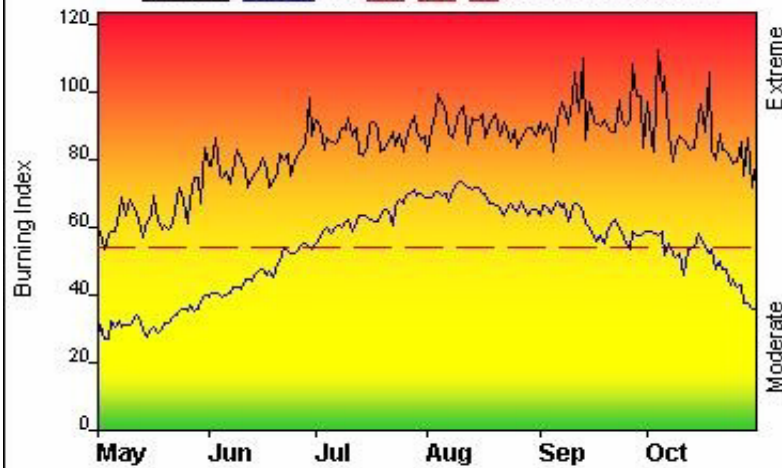
SAFETY: While the chance is slight, remain aware of thunderstorm potential over the fire. Strong outflow winds can fan embers and push active fire out in all directions. Consider your engagement strategy. Review **Pocket Guide (IRPG) Page 75 on Thunderstorm Safety** as part of your crew safety briefing.

Sunrise: 0608

Sunset: 2030

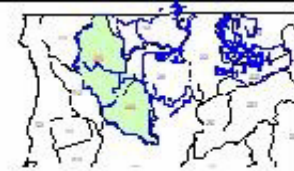
FIRE DANGER -- Western Klamath NF

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

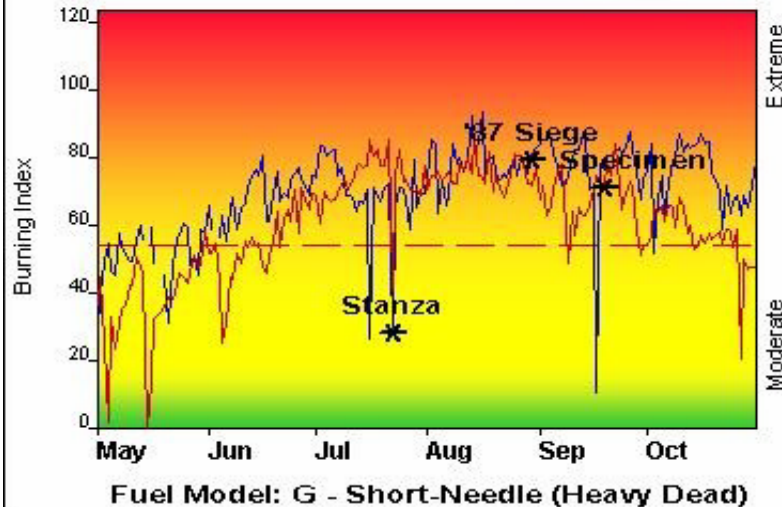
Maximum -- Highest Burning Index by day for 1972 - 2004

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 08/01/07 Wednesday 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
CREW2 CTS#2		JAMES BENDER		20	N	Per DIVS	Per DIVS
CRW2 BLACK EAGLES 3		ROBERT K BROWN		20	N	Per DIVS	Per DIVS
SRF ENG 11						Per DIVS	Per DIVS
WT2 WILLIAMS (E-165)		ARVIL WILLIAMS		1	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
LOWBOY THOMAS (E-258)				2	N	Per DIVS	Per DIVS
DOZ2 GOLDEN HOOF (E-145)		JESSE TURNER		2	N	Per DIVS	Per DIVS
LOWBOY GOLDEN HOOF (E-154)				2	N	Per DIVS	Per DIVS
DOZB		BOWDLER / JOHNSON (T)		2	N	Per DIVS	Per DIVS
EMTP		DANIEL REESE		1	N	Per DIVS	Per DIVS
EMTB		ROBERT WALTERS		1	N	Per DIVS	Per DIVS
SOF2		DAVE SARGENTI		1	N	Per DIVS	Per DIVS
7. Control Operations							
-- Continue to mop-up 150 feet along control lines.							
-- Utilize air support as necessary.							
-- Dozers to continue fireline repair							
8. Special Instructions							
-- Road closed from DP10 north to DP38 and DP 10 South To 17N20 and 17N16 intersection.							
-- Construct waterbars on all handline 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 07/31/07		Time Prepared 1900

Division Assignment List			1. Branch			2. Division/Group Div L / M			
3. Incident Name ELK COMPLEX			4. Operational Period 08/01/07 Wednesday Day Shift 0600 - 2000						
5. Operations Personnel									
Operations Chief		PETE DUNCAN / ALEC LANE (T)			Division/Group Supervisor		CHRIS STEVENS		
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 SHASTA LAKE HS		JEFFERY MICHELSON		20	N	Per DIVS		Per DIVS	
CRW1 PLUMAS HS		JACK SEVELSON		20	N	Per DIVS		Per DIVS	
ENG3 KNF25		TED JONES		5	N	Per DIVS		Per DIVS	
FOBS		TIM BRADLEY		1	N	Per DIVS		Per DIVS	
SOF2		RICHARD BROWN		1	N	Per DIVS		Per DIVS	
SOF2		JEFF HARTE (t)		1	N	Per DIVS		Per DIVS	
EMTP		RICH PORCELLI		1	N	Per DIVS		Per DIVS	
EMTB		SETH JOHNSON		1	N	Per DIVS		Per DIVS	
7. Control Operations									
-- Continue to mop-up and patrol.									
-- Prepare to support firing operations as needed.									
-- Secure all fuel supplies to prevent fuel spills.									
8. Special Instructions									
-- SOF2 share with Division O/P									
-- EMTs shared with Division N.									
-- 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.									
-- COLLECT and BACKHAUL all garbage and un-needed equipment to nearest drop points. Inventory remaining equipment and notify Logistics of drop point locations.									
-- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways.									
9. Division/Group Communications Summary									
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel		
Command East	166.6125N	168.4000N		NIRSC	2	NIFC C-4			
Command South	173.0375N	167.3250N		NIRSC	3	NIFC C-12			
Tactical Div/Group	168.6000N	168.6000N		NIRSC	6	NIFC TAC-3			
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 07/31/07		Time Prepared 1900	

Division Assignment List		1. Branch		2. Division/Group Div N			
3. Incident Name ELK COMPLEX		4. Operational Period 08/01/07 Wednesday Day Shift 0600 - 2000					
5. Operations Personnel							
Operations Chief	PETE DUNCAN / ALEC LANE (T)		Division/Group Supervisor	J. BARNHART / E. WEBER(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		
CRW1 REDDING HS	JOHN M WOOD	19	N	Per DIVS	Per DIVS		
CRW2 FSR 8	JAMES RUST	21	N	Per DIVS	Per DIVS		
CRW2 OC 24	JOSEPH KENNEDY	20	N	Per DIVS	Per DIVS		
ENGS/T LNF 3615C	DOUG YOUNG	26	N	Per DIVS	Per DIVS		
WT2 KENS (E-163)	BILL ATIKISON	2	N	Per DIVS	Per DIVS		
EMTP	RICH PORCELLI	1	N	Per DIVS	Per DIVS		
EMTB	SETH JOHNSON	1	N	Per DIVS	Per DIVS		
SOFR	SCOTT LINDGREN	1	N	Per DIVS	Per DIVS		
7. Control Operations							
-- Continue to patrol and mop up 300 feet from fire edge. -- Prepare to support aerial firing operations as needed. -- Secure all fuel supplies to prevent fuel spills.							
8. Special Instructions							
-- Construct water bars on all hand and dozer line as needed. -- Share EMTs with DIVS L/M -- Stay 500 feet or more down stream of any confluence for dipping or drafting operations. -- Fill watertenders at designated sites only. -- Identify roads that need to be brushed through DIVS. -- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways. -- COLLECT and BACKHAUL all garbage un-needed material and equipment to nearest drop points. Inventory remaining equipment and notify Logistics of drop point locations for backhaul.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command North	168.7000N	170.9750N		NIRSC	1		
Command East	166.6125N	168.4000N		NIRSC	2		
Tactical Div/Group	166.7250N	166.7250N		NIRSC	7	BLM TAC-1	
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 07/31/07		Time Prepared 2033	

Division Assignment List			1. Branch		2. Division/Group Div O / P		
3. Incident Name ELK COMPLEX			4. Operational Period 08/01/07 Wednesday 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 BIG BEAR HS		JIMMY AVILA		20	N	Per DIVS	Per DIVS
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	Per DIVS
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
CHIP BURKE (E-293)		TIM BURKE		1	N	Per DIVS	Per DIVS
CHIP KARUK (E-295)		WILLIAM TRIPP		3	N	Per DIVS	Per DIVS
FOBS		CRAIG SNIDER		1	N	Per DIVS	Per DIVS
FOBS		MATTHEW WATSON (T)		1	N	Per DIVS	Per DIVS
SOF2		BROWN, RICHARD		1	N	Per DIVS	Per DIVS
SOF2		HARTER, JEFF (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
EMTP		DAN FRANCE		1	N	Per DIVS	Per DIVS
EMTP		JASON PACE		1	N	Per DIVS	Per DIVS
7. Control Operations							
-- Continue to mop-up and patrol 200 feet in along control lines where safe.							
-- Chip 08 Road from DP5 to DP 51							
8. Special Instructions							
-- Share Safety Officers with DIVS L/M							
-- 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 07/31/07	Time Prepared 2040

Division Assignment List			1. Branch		2. Division/Group Div S / T		
3. Incident Name ELK COMPLEX			4. Operational Period 08/01/07 Wednesday 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		WELDON, BILL		18	N	Per DIVS	Per DIVS
ENGINE S/T - T3 - 3630C		WARLICK/ GRAHAM		27	N	Per DIVS	Per DIVS
WT2 DARRAH LOGGING (E-57)		DARRAH, KEITH		1	N	Per DIVS	Per DIVS
FELB		LEWIS, CHUCK		1	N	Per DIVS	Per DIVS
FALC - NZ MOD 2		STACHER/ STEWART		2	N	Per DIVS	Per DIVS
SOF2		RONALD W TAYLOR		1	N	Per DIVS	Per DIVS
SOF2 (T)		THOMAS KELLY		1	N	Per DIVS	Per DIVS
FOBS		EMERY GLUCK		1	N	Per DIVS	Per DIVS
EMTP		ROSE, KEVIN		1	N	Per DIVS	Per DIVS
EMTB		POWELL, GREG		1	N	Per DIVS	Per DIVS
7. Control Operations -- Burn and hold hand line from 15N17Y Road to Klamath River -- 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 07/31/07		Time Prepared 2118

Division Assignment List		1. Branch		2. Division/Group Div Q / R / U / V			
3. Incident Name ELK COMPLEX		4. Operational Period 08/01/07 Wednesday Day Shift 0600 - 2000					
5. Operations Personnel							
Operations Chief	PETE DUNCAN / ALEC LANE (T)			Division/Group Supervisor			
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
UNSTAFFED							
7. Control Operations -- Patrol by Air.							
8. Special Instructions							
-- Stay 500 feet or more down stream of any confluence for dipping or drafting operations. -- Fill watertenders at designated sites only. -- Crews to use class A foam for initial attack, direct construction, mopup; staying 300 ft away from waterways. -- COLLECT and BACKHAUL all garbageand any 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	173.0375N	167.3250N		NIRSC	3		
Tactical Div/Group	173.9875N	173.9875N		NIRSC	10	R5 TAC-6	
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 07/31/07	Time Prepared 2053

Division Assignment List		1. Branch		2. Division/Group FIRE REPAIR GROUP			
3. Incident Name ELK COMPLEX		4. Operational Period 08/01/07 Wednesday 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 07/31/07		Time Prepared 2100

INCIDENT RADIO COMMUNICATIONS PLAN			1. INCIDENT NAME ELK COMPLEX		2. DATE / TIME PREPARED 07/31/07 2100		3. OPERATIONAL PERIOD 08/01/07 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! 	
08/1/2007 DAY		PREPARED: 07/31/2007 at 2000	Prepared by Jim Mackensen SOF2



Today's discussion is from the
First Aid / Health Category.

[Six Minutes Home Page](#)

HYDRATION

Studies conducted on wildland firefighters indicate that fire suppression activities generate about 7.5 calories of heat each minute worked, or 450 kilocalories for each hour. Additional heat (about 180 kilocalories per hour) comes from the environment and the fire. The total heat load amounts to 580 kilocalories per hour ($400 + 180 = 580$). Complete evaporation of 1 liter of sweat removes 580 kilocalories of heat. In order to maintain a healthy body temperature, the firefighter needs to evaporate about 1 liter (slightly more than 1 quart) of sweat during each hour of work.

- Maintaining body fluids is essential for sweating. You must hydrate before, during, and after work.
- Before work you should take extra fluids to prepare for the heat. Drink 1 or 2 cups of water, juice, or a sport drink before work. Avoid excess caffeine; it hastens fluid loss in the urine.
- While working drink at least 1 quart of fluid per hour. Drink as much as you can during the lunch break. Water is your greatest need during work in the heat.
- Providing a portion of fluid replacement with a carbohydrate/electrolyte sport beverage will help you retain fluids and maintain energy and electrolyte levels.
- After work it is important to continue drinking to replace fluid losses. Thirst always underestimates fluid needs, so you should drink more than you think you need.
- Rehydration is enhanced when fluids contain sodium and potassium, or when foods with these electrolytes are consumed along with the fluid.
- Unacclimatized workers lose more salt in the heat so they need to pay particular attention to salt replacement. Don't overdo salt intake; too much salt impairs temperature regulation. Excessive salt can cause stomach distress, fatigue, and other problems.
- Make potassium-rich foods like bananas and citrus fruits a regular part of your diet, and drink lots of lemonade, orange juice, or tomato juice.
- Limit the amount of caffeine drinks such as coffee and colas because caffeine increases fluid loss. Avoid alcoholic drinks. They also cause dehydration.
- You can assess your hydration by observing the volume, color, and concentration of your urine. Low volumes of dark, concentrated urine, or painful urination indicate a serious need for rehydration. Other signs of dehydration include a rapid heart rate, weakness, excessive fatigue,

and dizziness.

- Rapid loss of several pounds of body weight is a certain sign of dehydration. Rehydrate before returning to work; continuing to work in a dehydrated state can lead to serious consequences, including heat stroke, muscle breakdown, and kidney failure.

References:

Standards for Fire and Aviation Operations, BLM, www.fire.blm.gov/Standards/redbook.htm

Fitness and Work Capacity--Second Edition

MEDICAL PLAN	1. INCIDENT NAME Eik	2. DATE PREPARED 07-31-07	3. TIME PREPARED 2000hrs	4. OPERATIONAL PERIOD 8/1/07 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 _____</p> <p>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

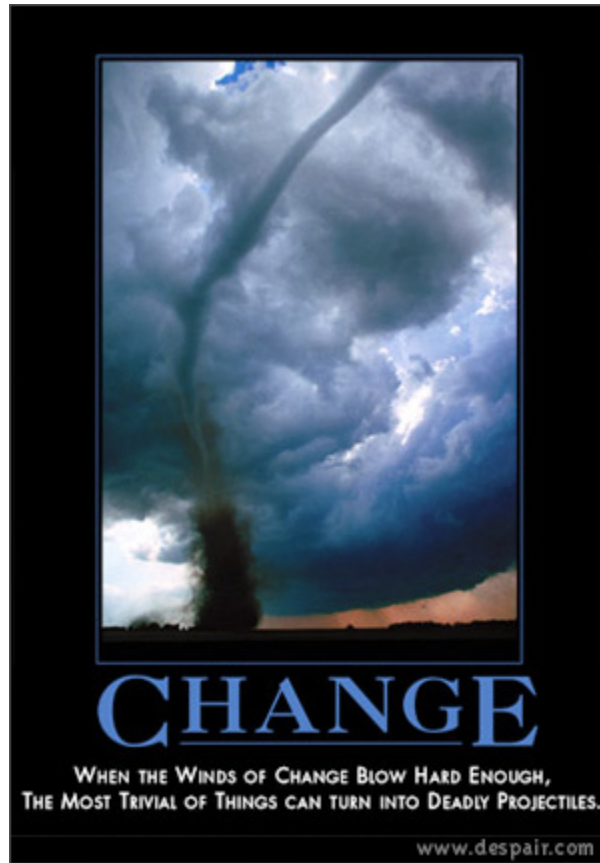
Age _____ Gender _____ Agency/Position _____

LOC _____ Vital Signs _____

Injury _____

Weight _____ Medical History/Allergies _____

HUMAN RESOURCE MESSAGE



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



**Your Human Resource Specialist,
Mike Baines**

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.

Lower Airport Rd.

(1.2 mi. from Park Way)

To Somes Bar
↙

Park Way

District Office

Church

Saw repair

Supply



School

Feeding

Ordering Supply

Medical

Compensation Claims

Elk Creek Rd.

Laundry

Showers

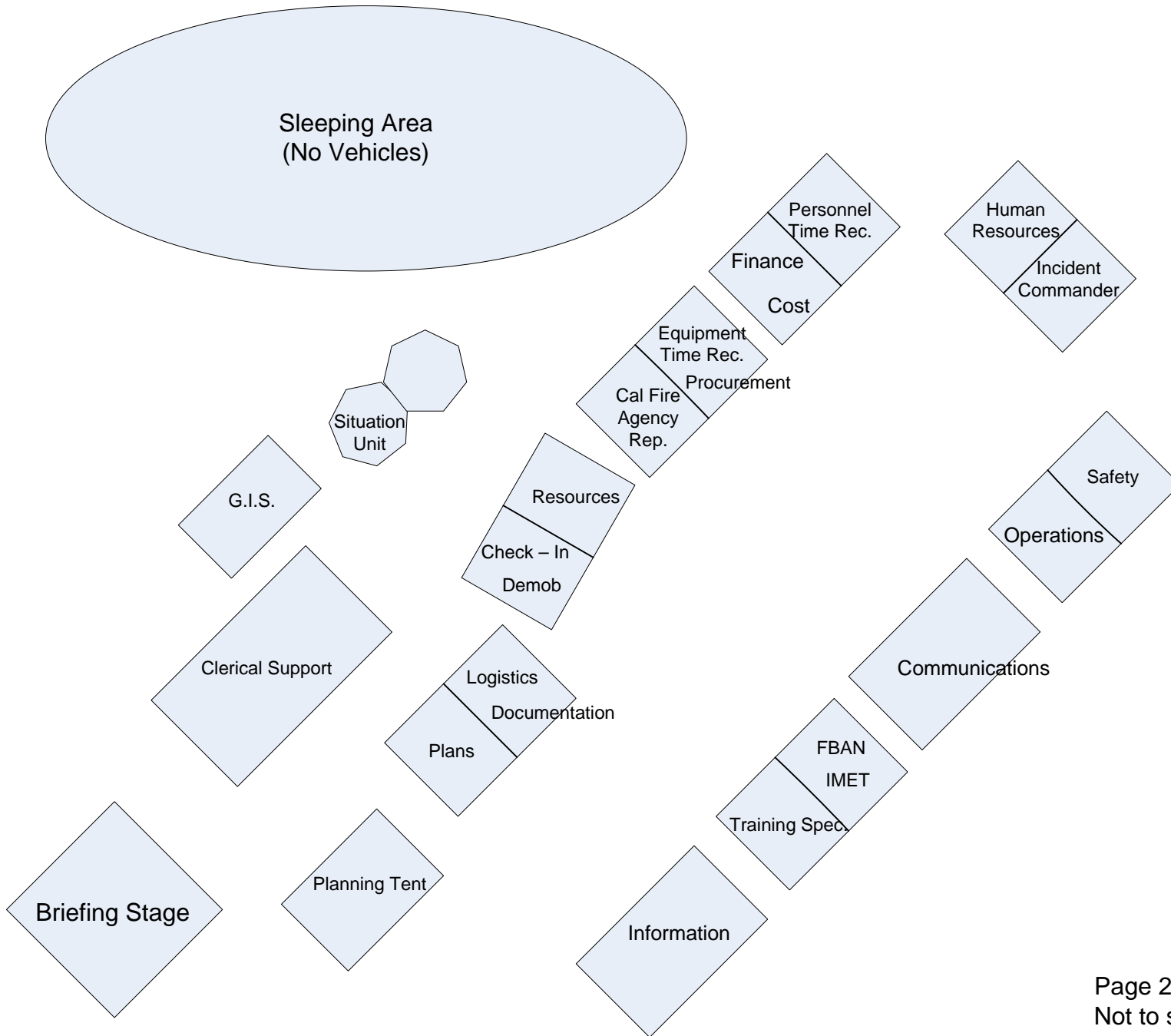
Showers

No entry

No entry

River Park
(closed to firefighting resources)

Elk Complex ICP Map



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

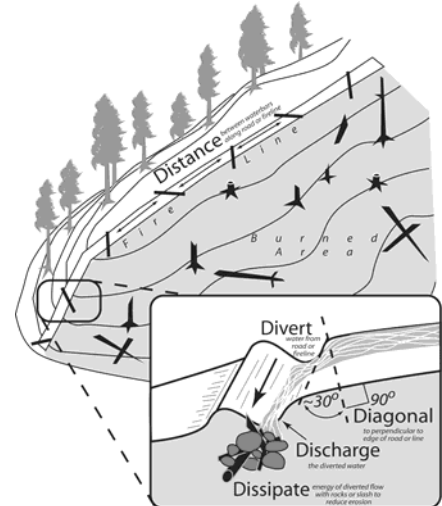
Hand and Dozer Lines

- 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 its 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. CELL	HERB LOVE (cell)	530-200-2505
CAL FIRE AGENCY REP.	HERB LOVE	530-493-1532
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	530-598-9372
COST	ADELE HENDERSON	530-493-1514
DEMOB	GARY DEBOI	530-493-1502
DIVISION CHIEF HCRD	ROD MENDES	530-598-9363
DOCUMENTATION	LUANN CHARBONIER	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	530-493-1525
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	MIKE BAINES	530-493-1534
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	K.G. SETA / BERT BYERS	530-493-1503
SUPPLY/ORDERING FAX		530-493-1531
TIME UNIT LEADER	SISSIE ANZORA	530-493-1516
TOZIER'S CLERICAL SUPPORT (FAX)		530-493-1510
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

UNIT LOG		1. Incident Name	2. Date Prepared	3. Time Prepared
4. Unit Name/Designators		5. Unit Leader (Name and Position)		6. Operational Period
7. Personnel Roster Assigned				
Name		ICS Position		Home Base
9. Prepared by (Name and Position)				