

Orleans Complex -

Ukonom Fire

Incident Action Plan

Saturday, July 29, 2017

0600 – 2000



- ✓ **New Communications Plan**
 - **Get Cloned Today!**
 - **Test in camp & when you arrive at your work site**


- ✓ **Steep, unforgiving terrain**
 - **Ensure secure footing**
 - **Keep appropriate work spacing**

- ✓ **Poison Oak**
 - **Know what it looks like. “Leaves of three, let it be”**
 - **Change or launder Nomex**

CA – SRF– 000741(0510) P5K73417

Six Rivers National Forest

Northern California Incident Management Team 1

INCIDENT OBJECTIVES	1. Incident Name Orleans Complex	2. Date 07/28/2017	3. Time 2000
4. Operational Period July 29, 2017 DAY SHIFT			
<p><u>CONTROL OBJECTIVES</u></p> <p>1) Keep the Ukonom Fire:</p> <ul style="list-style-type: none"> • East of the Klamath River to protect private property, infrastructure (Hwy 96), and cultural resources. • South of the District boundary to minimize spread to Klamath National Forest and protect cultural resources. • West of Ukonom Mountain to minimize spread into the Marble Mountain Wilderness and protect cultural resources. • North of Division A dozer line to protect private property and cultural resources. <p><u>MANAGEMENT OBJECTIVES</u></p> <p>1) Ensure strategies and tactics provide for firefighter and public safety through the application of sound risk management principles.</p> <p>2) All fire suppression operations will be conducted in close coordination with Designated Tribal Representatives and READs.</p> <p>3) Establish and strengthen cooperator, partner, and stakeholder relationships.</p> <p>4) Minimize impacts to cultural resources, infrastructure, and private property inholdings.</p>			
6. Weather Forecast for Period			
<ul style="list-style-type: none"> • See attached weather forecast. 			
<p>7. General Safety Message</p> <ul style="list-style-type: none"> • See attached safety messages. 			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> ICS215a	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> Rehab Considerations	
9. Prepared by (Planning Section Chief)		10. Approved by (Incident Commander)	
Walter Herzog		Curtis Coats 	

DIVISION ASSIGNMENT LIST		1. Branch	2. Division/Group UKONOM FIRE A				
3. Incident Name ORLEANS COMPLEX EAST ZONE		4. Operational Period DAY OPERATIONS Date: 07/29/2017 Time: 0600-2000					
5. Operations Personnel							
Operations Chief	DON FREGULIA		Division/Group Supervisor	RICHARD INGRAM, PETE ENGLISH (T)			
Planning Ops	CURT LINDSTRAND, JEFF DUPRAS (T)		Air Support	BRUCE WICKS			
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 TRUCKEE IHC	BOBBY HUBBY		20	N	0700	1900	
HC1 FEATHER RIVER IHC C-6	LELAND RATCLIFF		19	N	0700	1900	
HC1 SMITH RIVER IHC C-4	JERIMIAH MENDEZ		20	N	0700	1900	
HC2IA FISH LAKE			20	N	0700	1900	
S/T 3675C			17	N	0700	1900	
CHIP ZEBBS TREE SERVICE E-19	LEAF QUINN		1	N	0700	1900	
FALM FULL CIRCLE O-30			2	N	0700	1900	
FALM NORTH ZONE O-31			2	N	0700	1900	
TFLD	MEREDITH CHILDS		1	N	0700	1900	
TFLD	BRYAN LANNING (T)		1	N	0700	1900	
EMT O-48	DANIEL LASSOTTA		1	N	0700	1900	
PARAMEDIC O-54	CHRIS RENSHAW		1	N	0700	1900	
SOFR	TBA		1	N	0700	1900	
7. Control Operations Prepare indirect line for firing operations. Assess structure protection needs. Mitigate hazard trees.							
8. Special Instructions Consult with READ/Tribal Consultant for any new line construction. Stay within existing dozer line footprint.							
9. Division/Group Communication Summary							
Function	Frequency	Tone	Channel	Function	Frequency	Tone	Channel
Command 7	RX 166.6125 TX 168.4000	136.5	7	TAC 1	RX 168.0500 TX 168.0500	136.5	1
A/G CMD	RX 169.2000 TX 169.2000	none	13				
Prepared by (Resource Unit Leader) Rita Mustatia			Approved by (Planning Section Chief) <i>Walter J. Hey</i>		Date 7/28/2017	Time 2130	

DIVISION ASSIGNMENT LIST		1. Branch	2. Division/Group WEST ZONE				
3. Incident Name ORLEANS COMPLEX WEST ZONE		4. Operational Period DAY OPERATIONS Date: 07/29/2017 Time: 0600-2000					
5. Operations Personnel							
ICT3	Tamar Young		Division/Group Supervisor				
Planning Ops			Air Support				
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	
SUMMIT WFM1 O-18	ALEX MIYAGISHIMA		9	N	TBD	TBD	
KARUK HC2IA	TAYLOR SUPER		20	N	TBD	TBD	
TFLD	BILLY MCCAL		1	N	TBD	TBD	
TFLD (T)	JAMESON COLLINS		1	N	TBD	TBD	
SOPL	MIKE BEASLEY		1	N	TBD	TBD	
READ O-38	ANDREW SPAIN		1	N	TBD	TBD	
7. Control Operations Continue to monitor the growth of the Forks, Little, Chimney, and Dillon fires. Utilize helicopter bucket drops on the Dillon fire to limit fire spread as needed. Brush out the East Fork of the Blue trail from the 14N02 road trailhead to the wilderness boundary. Scout and map existing control lines from 2015 fires.							
8. Special Instructions Coordinate and communicate efforts with the assigned READ and Designated Tribal Representative. Establish fuel sampling and weather monitoring locations.							
9. Division/Group Communication Summary							
Function	Frequency	Tone	Channel	Function	Frequency	Tone	Channel
Command 7	RX 166.6125 TX 168.4000	136.5	7	TAC 6	RX 166.7750 TX 166.7750	136.5	5
A/G CMD	RX 169.2000 TX 169.2000	none	13				
Prepared by (Resource Unit Leader)			Approved by (Planning Section Chief) <i>Walt J. Fry</i>		Date	Time	
					7-28-17	1030	

Ukonom east

National Weather Service Eureka

2017-07-28 4:41 PM PDT Spot Weather Forecast

DISCUSSION...High pressure will build across the region... then persist into next week. This will gradually warm temperatures into early next week with temperatures over 100 likely in the valleys. Weak northeast flow is expected over the ridges each night. Recoveries will gradually become worse through the period. Dry weather is expected into early next week.

.SATURDAY...

Sky/weather.....Sunny.
CWR.....0 percent.
LAL.....1.
Max temperature.....92-101.
Min humidity.....19-24 percent.
Eye Level Winds.....Northeast winds 2 to 4 mph in the morning...becoming north 3 to 6 mph.
Wind (20 ft).....Northeast winds 3 to 6 mph becoming North 5 to 8 mph.
Ridge top Winds.....Northeast winds 5 to 9 mph in the morning...becoming north in the afternoon. Gusts to 14 mph in the morning.
Mixing height.....2000 ft AGL increasing to 9500 ft AGL late in the afternoon.
Transport winds.....Southeast 7 mph.


.SATURDAY NIGHT...

Sky/weather.....Mostly clear.
CWR.....0 percent.
LAL.....1.
Min temperature.....Around 61.
Max humidity.....50-60 percent.
Eye Level Winds.....Northwest winds 3 to 5 mph in the evening...becoming northeast or downslope 2 to 4 mph.
Wind (20 ft).....Northwest winds 5 to 7 mph...shifting to the northeast 3 to 5 mph after midnight.
Ridge top Winds.....West winds 6 mph...shifting to the northwest 6 to 9 mph with gusts up to 15 mph after midnight.
Mixing height.....9300 ft AGL decreasing to 400-800 ft AGL late in the evening.
Transport winds.....North 11 mph.

.OUTLOOK FOR SUNDAY...

Hot and dry weather will continue on Sunday with high temperatures generally ranging from 100 to 105F. There may be a few sites on the valley floor that reach 107 to 109F. Also, the min RH's will be low, around 10-15% in the valleys and 20-25% along the mid and upper slopes. Winds should continue to be diurnal/terrain driven. However, thermal troughing along the coast Sunday morning will probably result in easterly ridge level wind gusts up to 20 mph. Poor to moderate RH recoveries are expected Saturday night, primarily above 4000 feet, due to the gusty ridge level easterly winds. DJB

FIRE BEHAVIOR FORECAST

FORECAST NUMBER 2	TYPE OF FIRE: Wildland Fire
FIRE NAME: East Zone Ukonom	OPERATIONAL PERIOD: Day shift July 29, 2017
DATE ISSUED: July 28, 2017	TIME ISSUED: 1000
UNIT: Six Rivers NF	SIGNED: Bob Patton FBAN 

WEATHER SUMMARY: ****Please See attached Fire Weather Forecast****

Max Temp: 92-101

Min RH: 19-24%

Winds:

Eye level winds: Northeast winds 2-4 mph in the morning becoming north 3-6 mph in the afternoon

20' winds: Northeast winds 3-6 mph, becoming north 5-8 mph

Ridgetop winds: Northeast winds 5-9 mph in the morning, becoming north in the afternoon. Gusts to 14 mph in the morning.

GENERAL

The fire is burning in a 2008 fire scar with fuels consisting of brush up to 10'; snags; heavy dead and down; tan oak; and timber overstory in the drainages.

Live fuel moisture in brush around 140%

ERC's are around the 86th percentile

Probability of ignition 50-90% depending on aspect and shading

SPECIFIC FIRE BEHAVIOR

All Divisions:

Fire behavior in the morning and early afternoon under inversion should be minimal until (if) the smoke lifts. Yesterday it lifted around 1600. Fire activity should increase after this time and remain active until around 2200. Fire growth will be perpetuated by rolling material on steep slope igniting fuel and jackpots of heavy fuel, spotting into snags, and making short runs through the brush.

General rate of spread around the perimeter could be 1-6 ch/hr with 1-5' flame lengths. Growth could increase around the entire perimeter; however models indicate a slight push southeast towards Ukonom Lookout.

AIR OPERATIONS

Smoke inversion could hamper air operations throughout the shift

SAFETY

As inversion lifts look for an increase and fire behavior that could compromise your safety

Controlled Unclassified Information//Basic

INCIDENT RADIO COMMUNICATIONS PLAN		1. Incident Name Orleans Complex-Ukonom	2. Date/ Time Prepared 7/28/2017 1800	3. Operational Period Date/Time 7/29/2017 0600 - 2000
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4. Basic Radio Channel Utilization

Radio Type/Cache	Channel	Function	Frequency/Tone	Mode	Assignment	Remarks
King NIFC	1	TAC 1	RX 168.0500 TONE 136.5 TX 168.0500 TONE 136.5	Narrow	DIV A	UKONOM FIRE
King NIFC	2	TAC 2	RX 168.2000 TONE 136.5 TX 168.2000 TONE 136.5	Narrow	DIV F	UKONOM FIRE
King NIFC	3	TAC 3	RX 168.6000 TONE 136.5 TX 168.6000 TONE 136.5	Narrow	DIV M	UKONOM FIRE
King NIFC	4	TAC 5	RX 166.7250 TONE 136.5 TX 166.7250 TONE 136.5	Narrow	DIV Z	UKONOM FIRE
King NIFC	5	TAC 6	RX 166.7750 TONE 136.5 TX 166.7750 TONE 136.5	Narrow	WESTSIDE	
King NIFC	6	TAC 7	RX 168.2500 TONE 136.5 TX 168.2500 TONE 136.5	Narrow	RESERVED	RESERVED
King NIFC	7	CMD 7	RX 166.6125 TONE 136.5 TX 168.4000 TONE 136.5	Narrow	UKONOM FIRE	ALL DIVISIONS
King NIFC	8	CMD 8	FUTURE	Narrow	FUTURE	FUTURE
King NIFC	9	CMD 9	FUTURE	Narrow	FUTURE	FUTURE
King NIFC	10	SRF UKNO	RX 172.3750 TONE 167.9 TX 164.1750 TONE 167.9	Narrow	FOREST REPEATER	LOCAL FOREST DISPATCH
King NIFC	11	SRF ORLE	RX 170.4750 TONE 146.2 TX 165.7500 TONE 146.2	Narrow	FOREST REPEATER	LOCAL FOREST DISPATCH
King NIFC	12	KNF UKNO	RX 171.5250 TONE 136.5 TX 165.4125 TONE 136.5	Narrow	FOREST REPEATER	LOCAL FOREST DISPATCH
King NIFC	13	A/G CMD	RX 169.2000 NO TONE TX 169.2000 NO TONE	Narrow	A/G PRIMARY	
King NIFC	14	A/G TAC	RX 167.0625 NO TONE TX 167.0625 NO TONE	Narrow	A/G SECONDARY	
King NIFC	15	CALCORD	RX 156.0750 TONE 162.2 TX 156.0750 TONE 162.2	Narrow	CALCORD	
King NIFC	16	AIR GUARD	RX 168.6250 Tone 110.9 TX 168.6250	Narrow	ALL DIVISIONS	AIR EMERGENCY ONLY

5. Prepared by (Communications Unit) *John Chapman* NOTE: Make Sure Squelch Knob is turned all the way to the left so it clicks. This is to activate the RX Tone Guard.

Controlled Unclassified Information//Basic

NFES 1330

AIR OPERATIONS SUMMARY

Prepared By: Bruce Wicks

Prepared Date: 28 July 2017

Prepared Time: 1845

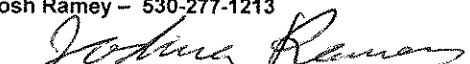
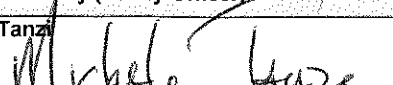
1. INCIDENT NAME: Orleans Complex	2. OPS PERIOD DATE: 29 July-2017	START TIME: 0800	END TIME: 2100	SUNRISE: 0604	SUNSET: 2031
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): MONITOR AIR TO GROUND FREQ WHEN AIRCRAFT ARE IN YOUR DIVISION. SITUATIONAL AWARENESS IS HIGH PRIORITY ALONG WITH BUCKET WORK! FLY WITH LIGHTS AND TRANSDOPNER ON (1255) <u>Watch out for high tension wires</u>					
4. READY ALERT AIRCRAFT MEDEVAC - See Medical Plan			5. TFR #: 78888 Altitude- 11,500 msl		

6. PERSONNEL		PHONE #	7. FREQUENCIES		FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base	
AOBD	NAME		AIR/ AIR FW	AM		AIRTANKERS-	TBA
	Bruce Wicks	530-906-2224	Air Tactics R/W	126.1250 118.0750			
ASGS(t)	Mike Yearwood	530-575-8169	AIR Tactics FW		168.5000	LEAD PLANES-	TBA
ASGS	Steve Beall	530-598-6755	AIR/GD Command		169.2000	ATGS AIRCRAFT-	
ATGS/Helco	Brian Rodgers	530-521-1843	AIR/GD Tactical			A-06 - ATGS - Rodgers/ Brewster	A-36
ATGS	Fred Brewster	530-260-8841	Orleans Complex		167.0625 170.000	8CE - ATGS - Bagwell/Thornton	KNF
ATGS	Tom Bagwell	530-598-0821	Clear Creek				
ATGS	Paul Thornton	530-524-9527					
Helco	Bill Lambert S.V.	530-598-4128	CMD Primary		166.6125 rx 168.400 tx Tone 136.5		
HEB1	Tyler Detrick S.V.	530-925-9668	DECK		163.100		
HEB2	Jim Gould H.C.	530-493-1755	Air Guard				
					168.6250 (110.9)tx/rx	OTHER FW AIRCRAFT-	

9. HELICOPTERS (Use Additional Sheets as Necessary)													
FAA #	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA #	T Y	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
626	1	S-61	Scott Vly	0830	0800	CWN A-48	H-502	2	B-205 ++	Scott Vly	0830	0800	EXC KNF
917	1	S-61	Scott Vly	0830	0800	CWN A-13	8MB	3	A-Star	Scott Vly	0830	0800	EXC A-23
6HT	1	S-64	Scott Vly	0830	0800	EXC A-47	6TA	3	Bell 407	Scott Vly	0830	0800	CWN A -53
25M	1	S-64	Scott Vly	0830	0800	EXC A-38	H-503	3	Bell 407	Happy Camp	0830	0800	EXC KNF
XFT	1	Kmax	Scott Vly	0830	0800	EXC A-14							
4TH	1	Kmax	Happy Camp	0830	0800	EXC KNF							
H-506	2	B-205 ++	Scott Vly	0830	0800	EXC A-6							

Note: All the above fixed-wing and rotor-wing aircraft are being shared between the Orleans Complex and the Clear Creek Incidents.

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name		2. Operational Period						
Orleans Complex		Date/Time 7/29/17 0600-2000						
3. Ambulance Services								
Name	Location	Phone & EMS Frequency		Advanced Life Support (ALS) Yes No				
Mountain Medics – Incident Ambulance	Ti-Bar Rd @ 14N14 Rd - Day, ICP - Night	Contact on Command		X				
Hoopa Ambulance	1200 Airport Rd. Hoopa, CA	911 or 530-625-4180		X				
Happy Camp Ambulance	Happy Camp, CA	911 or 530-842-7066		X				
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)								
Name	Phone	Type of Aircraft & Capability						
Reach / PHI 50 min eta	911 or 707-726-1266 (FICC)	Air Ambulance – Redding, CA Day/Night						
Calfire H-102 15 min eta	911 or 707-726-1266 (FICC)	Hoist Rescue– Kneeland, CA						
Coast Guard Up to 1:15 hr eta	911 or 707-726-1266 (FICC)	Hoist Rescue – Eureka, CA Day/Night						
CHP H-14 / H-16 50 min eta	911 or 707-726-1266 (FICC)	Hoist Rescue – Redding, CA						
5. Hospitals								
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Phone	Helipad Yes No	Address	
St. Joseph Hospital	Lat:	N40°47.02		30 min	2 hrs	707-445-8121 or 707-442-8646	X	2700 Dolbeer, Eureka, CA
	Long:	W124°08.48						
	VHF:							
Mad River Hospital	Lat:	N40°53.45		25 min	2 hrs	707-822-3621	X	3800 Janes Rd. Arcata, CA
	Long:	W124°05.25						
	VHF:							
Shasta Regional Medical Center	Lat:	N40°35.08		55 min	3 hrs	530-244-5353	X	1100 Butte, Redding, CA
	Long:	W122°23.25						
	VHF:							
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.17		1.5 hrs	6 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.05						
	VHF:							
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily								
Crew EMTs & Equipment								
Fireline EMTs & Location								
Adv. Life Support?								
Air Hoist site:								
Lat: / Long:								
Helispot:								
Lat: / Long:								
Alternate no-fly plan:								
7. Remote Aid Stations								
Medical Unit– ICP Orleans N41°18.518 W123°31.511			Point of Contact:			MEDL – Josh Ramey 530-277-1213		
			EMS Responders & Capability:			Mountain Medical – Advanced Life Support		
			Equipment Available on Site:			Medical supplies		
			Ambulance ETA :			Air – 55 min. Ground – 35 min.		
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed/By (Safety Officer)		11. Date/Time	
Josh Ramey – 530-277-1213			7/28/17 1930		Michele Tanzi		7/28/17 1930	
								

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

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

1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"

Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

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

- **Nature of Injury/Illness** *Describe the injury (Ex: Broken leg with bleeding)* _____
- **Incident Name** *Geographic Name + "Medical" (Ex: Trout Meadow Medical)* _____
- **Incident Commander (Division Sup. or designee)** *Name of IC* _____
- **Patient Care** *Name of Care Provider (Ex: EMT Smith)* _____

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

- **Number of Patients:** _____ - **Male / Female:** _____ - **Age:** _____ - **Weight:** _____
- **Conscious?** YES NO = MEDEVAC! - **Breathing?** YES NO = MEDEVAC!
- **Mechanism of Injury** *What caused the injury?* _____
- **Location, Lat/Long** (Datum WGS84) *Ex: N 40° 42.45' x W 123° 03.24'* _____

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

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

5. TRANSPORT PLAN:

- Air Transport:** (Agency Aircraft Preferred)
- Helispot Short-haul/Hoist Life Flight Other
- Ground Transport:**
- Self-Extract Carry-Out Ambulance Other

6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

- Paramedic/EMT(s) SKED/Backboard/C-Collar Crew(s) Burn Supplies Oxygen
- Trauma Bag Medication(s) IV/Fluid(s) Cardiac Monitor/AED
- Other (i.e. splints, rope rescue, wheeled litter)

7. COMMUNICATIONS:

- Run Medical Emergency on Command - Coordinate with air ambulance on CALCORD tone 6

8. EVACUATION LOCATION:

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* _____
- **Patient's ETA to Evacuation Location:** _____
- **Helispot/Extraction Size and Hazards:** _____

9. CONTINGENCY: *If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...*

REMEMBER: -Confirm ETA's of resources ordered -Act according to your level of training
 - If air or ground ambulance is **DELAYED:** Package and transport patient to rendezvous with incoming Ambulance.
 Re-route EMS helicopter to rendezvous point as appropriate.

Orleans Complex (Ukonom Fire) - Incident Risk Analysis (215a)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Extreme Driving Concerns	Severe road damage on 96 north of Somes Bar (Buckling & undulations) to Ti-Bar Rd. You MUST with caution. Be aware of fire activity on the 13N02 road Ti-Bar road has buckling and undulations. Keep speeds slow! Maintain good sight/reaction distance. Headlights ON! Seatbelts ON! Expect the Unexpected!
All	Fire Behavior	Increase in Fire Behavior between 1700 - 2300 hour. Numerous widow makers and jackstrawed timber due to snowpack Preplan! Identify Trigger Points! How long will it take you to get back to your vehicles and exit the area safely? Know your escape routes as the situations change.
All	Communications - New Clone Today	Ensure you have the current Comm Plan, test in camp and when you reach your work area. Use human repeaters as needed. Use the correct incident identifier. EX: Orleans Communications, Engine 95 on Command
All	Steep Terrain	Ensure secure footing. Keep appropriate work spacing. Focus!
Div A	Working with Heavy Equipment	Stay at least 100' in front and 50' behind the equipment. In Timber, distances should be increased to 2½ times the tallest tree height.
All	Difficult terrain and conditions for providing for emergency medical needs.	Review Med Plan before the need arises. Limit high risk activities. Have a backup plan AND don't depend solely on air resources. Practice the "What if" scenarios.
All	Danger Trees in Fire Area	2008 fire scar, Fire weakened trees, shallow root systems, widow makers. Be aware of bind when cutting jackstrawed timber. Watch out when traveling/working during windy conditions. Limit exposure. Mitigate if safe. Use qualified fallers.
All	Poison Oak Exposure	Know what it looks like. "Leaves of three, let it be" Change or launder Nomex frequently. Ensure proper Personal Hygiene
All Personnel Includes ICP	Heat Related Illness/Injuries	STAY HYDRATED! Drink 3 waters to one electrolyte replacement drink. Consume one liter of fluid per hour. Do not dilute electrolyte drinks. They are meant to be consumed as is for best utilization.
All	Personal Protective Equipment	Personnel are reminded to wear ALL PPE when in the fires perimeter. Insure PPE is compatible with hazards and risks.
All	Hygiene	Wash Hands prior to eating and after using the toilet facilities. Clean out ice chests with soap, bleach & water.
All	Wildlife	Watch for elk, deer and bears crossing roadways. Numerous sightings. Especially active around Dusk & Dawn

Date & Time Prepared: July 28, 2017

Operational Period: July 29, 2017 from 0600 - 2000

Prepared By: Michele Tanzi - SOF1, Jeff Barnhart - SOF2

CA-SRF-000741 (0510), P5K73417
Six Rivers National Forest
 Northern California Incident Management Team 1



Today's discussion is from the Hazard Tree Category.

HAZARD TREE FELLING – SECURE FELLING AREA



DISCUSSION: The following fundamental safety principles for tree felling operations have been established based on repeated lessons learned following serious accidents. To protect sawyers, swamper, and operational personnel from exposure to potential traumatic injury or death during tree felling operations, the following safety procedures should be applied to all felling activities. Fireline supervisors should continue to monitor all felling operations to ensure the following safe job procedures are consistently applied:

- A secure felling area, **MINIMUM OF TWO AND ONE HALF (2.5) TIMES THE HEIGHT OF THE MATERIAL BEING FELLED IN ALL DIRECTIONS**, needs to be established and maintained by the faller during all tree felling operations. In addition, the entire downhill side on slopes must be secured if materials can fall/role for a long, unpredictable distance.
- No one shall be permitted in the secured felling area without the authorization of the faller.
- The faller shall establish a safety zone outside the secured area, and direct **EVERYONE** to remain there until all felling is completed, and an "all clear" has been communicated.
- Safety zones should be established, whenever practical, in the opposite direction of the planned fall, and at a distance of at least 2.5 times the height of the trees being felled.
- The faller shall assign Lookout(s). The lookout(s) shall have reliable communications with the faller, and other personnel adjacent to the secure areas.
- Competent lookouts shall be established and maintained by the faller at all major access points of roads and trails that afford access to the secured felling area.
- The faller will ensure that no hazards remain such as hang-ups, unstable logs, or other dangers before approving access or leaving the secured area

References: [Hazard Tree Safety Web Page](#)

Have an idea? Have feedback? Share it.

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