

# **HIRZ FIRE**

## **Incident Action Plan**

**Day Shift August 13, 2018 (0600 – 2000) Night Shift August 13-14, (1800 – 0800)**



### **Know Your Fire Orders**

**#10 Fight fire aggressively, having provided for safety first.**

### **Communication Responsibilities**

*All Firefighters have 5 communication responsibilities*

- **Brief others as needed**
- **Debrief your actions**
- **Communicate hazards to others**
- **Acknowledge messages**
- **Ask if you don't know**

**Maintain a High Level of  
Situational Awareness  
CA-SHF-001223, P5L2ZM (0514)  
Shasta Trinity National Forest  
Northern California Incident Management Team 1**

<b>INCIDENT OBJECTIVES</b>	<b>1. Incident Name</b> <b>Hirz</b>	<b>2. Date</b> <b>08/12/2018</b>	<b>3. Time</b> <b>1940</b>
<b>4. Operational Period</b> <b>August 13 – August 14, 2018 DAY - NIGHT SHIFT</b>			
<p><b><u>LEADER'S INTENT</u></b> A full suppression strategy will be implemented for the Hirz Fire through a combination of direct and indirect strategies. Efforts will be made to minimize fire spread and severity across private timberlands through the application of well-planned tactical responses.</p> <p><b><u>CONTROL OBJECTIVES</u></b></p> <p>1) <b>Keep the Hirz Fire:</b></p> <ul style="list-style-type: none"> <li>• North of Gilman Road.</li> <li>• South Nawtawaket Peak.</li> <li>• East Middle Salt Creek.</li> <li>• West of McCloud River and McCloud River Arm..</li> </ul> <p><b><u>MANAGEMENT OBJECTIVES</u></b></p> <p>1) <b>Provide for emergency personnel and public safety at all times.</b></p> <p>2) <b>Prior to engagement, stop and discuss strategies and tactics to ensure sound risk management principals are in place.</b></p> <p>3) <b>Identify and mitigate risks to property, improvements, infrastructure, economic, natural, cultural, and heritage resources in the area. Consult with Resource Advisors to identify sensitive areas.</b></p>			
<b>6. Weather Forecast for Period</b> • See attached weather forecast.			
<b>7. General Safety Message</b> • See attached safety messages.			
<b>8. Attachments (mark if attached)</b>			
<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	
<b>9. Prepared by (Planning Section Chief)</b> <b>Alan Taylor</b>	<b>10. Approved by (Incident Commander)</b> <b>Curtis Coots</b>		

ORGANIZATION ASSIGNMENT LIST			David Alicea (t)
1. Incident Name		Supply Unit	
<b>Hirz</b>		Ron Pierce	
2. Date		Ordering	
August 12, 2018		Aaron Woods	
3. Time		Facilities Unit	
2000		Jeff Huhtala, Frank DelCarlo	
4. Operational Period		Ground Support Unit	
Day-Night Shift, <b>August 13 – August 14, 2018</b>		Harry Zabel	
Position		Communications Unit	
Name		Richard Stone	
5. Incident Commander and Staff		Medical Unit	
Incident Commander		Josh Ramey	
Curtis Coots, Dustan Mueller (t)		Receiving & Distribution	
Deputy		Fred Johnson	
Jaime Gamboa		Security Manager	
Safety Officer		Food Unit	
James Courtight, Michele Tanzi, Jeff Barnhart,		Jay Westlake	
Information Officer		9. Operations Section	
Kathy Hardy, Phyllis Swanson, Barbara Rebiskie, Shawn Compton, Ginessa Stark (t)		Operations – Day	
Liaison Officer		Don Fregulia	
Kent Swartzlander, James Giachino		Operations - Night	
Human Resources		Planning Ops	
		Alec Lane, Dave Soldavini (t)	
6. Agency Representative		a. Division/Groups	
Agency Administrator		<b>DAY</b>	
Scott Russell		Division/Group A	
Agency Admin Rep		Jack Sevelson	
Carolyn Napper		Division/Group Y	
CAL FIRE		Richard Ingrahm, John Morgan (t)	
Scott Jones		Division/Group Z	
Shasta Co Sheriff's Office		Pete English, Chris McCandless (t)	
Mike Rist		Division/Group	
Shasta Co Board of Supervisors		Division/Group Contingency	
Dave Kehoe		Adam Leyba	
PG&E		Division/Group Structure	
Mike Weaver, Scott Magrini		Matt Prentiss	
Sierra Pacific Industries		b. Division/Groups	
Herb Baldwin		<b>NIGHT</b>	
7. Planning Section		Division/Group ALL	
Chief		John Barker	
Alan Taylor		Division/Group	
Deputy		Division/Group	
Resources Unit		Division/Group	
Situation Unit		Division/Group	
Tim Ritchey		Division/Group	
Demobilization Unit		c. Air Operations Branch	
Gary Deboi		Air Operations Branch Director	
Training		Bruce Wicks	
CTSP		Air Attack Supervisor	
George Steel, Jim Gonzalez (t)		Air Support Supervisor	
GIS		Steve Beall	
Matt Dickinson, Kent Bloomer (t)		Helicopter Coordinator	
FBAN		Air Tanker Coordinator	
Mike Beasley, Rick Noggles (t)		10. Finance Section	
IMET		Chief	
Jim Dudley		Lois Charlton	
Lead READ		Time Unit	
Pete Schmidt		Equipment Time Recorder	
SCKN		Louise Casias	
Marisa Williams		Cost Unit	
8. Logistics Section		Lou Ann Charbonnier (t)	
Chief		Compensation/Claims Unit	
Richard Crowther, Mike Jellison,		Procurement	
		Paul Wood (t)	
		Personal Time Recorders	
		Prepared by (Resource Unit Leader)	
		Gary R. Deboi	

# FIRE WEATHER FORECAST

FORECAST NO. 1

NAME OF FIRE: Hirz

PREDICTION FOR Monday August 13, 2018

UNIT: Shasta Trinity National Forest

TIME AND DATE

FORECAST ISSUED: 2000 Sunday 08/12/18

SIGNED:

  
Jim Dudley/ Incident Meteorologist

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**WEATHER DISCUSSION**...Dry southwest flow aloft will continue over the fire area today and Tuesday. Inversions will continue through mid morning with good mixing in the afternoon. Little change in temperature or humidity trends today through Tuesday. Winds will be terrain dominated with normal slope and valley conditions prevailing. By later Tuesday, moisture will be on the increase from the south aloft with an increase in clouds and instability.

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## **.TODAY...**

Sky/weather.....Sunny. Hazy and areas of smoke.

Max temperature.....90-95.

Min humidity.....11-16 percent.

Wind (20 ft).....

Slope/valley.....Northeast winds up to 7 mph shifting to the southwest up to 6 mph in the afternoon.

Ridgetop.....South to southwest 7 to 12 mph.

Mixing height.....Rising to 5000-5500 ft AGL in the afternoon.

Transport winds.....Northeast up to 7 mph early in the morning becoming south to southwest 6 to 9 mph after 1000-1200.

CWR.....0 percent.

LAL.....1.

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## **.TONIGHT...**

Sky/weather.....Mostly clear. Hazy and areas of smoke.

Min temperature.....68-73.

Max humidity.....29-34 percent.

Wind (20 ft).....

Slope/valley.....Southwest winds up to 5 mph in the evening becoming northeast less than 5 mph after 2200-2400.

Ridgetop.....Southwest 6 to 10 mph becoming southeast up to 5 mph after midnight.

Mixing height.....Lowering to 100-300 ft AGL.

Transport winds.....Southwest up to 5 mph becoming northeast less than 5 mph after 2200-2400.

CWR.....0 percent.

LAL.....1.

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## **.TUESDAY...**

Sky/weather.....Mostly sunny. Hazy and areas of smoke.

Max temperature.....90-95.

Min humidity.....11-16 percent.

Wind (20 ft).....

Slope/valley.....Northeast winds up to 5 mph shifting to the southwest in the afternoon.

Ridgetop.....Southeast up to 5 mph early in the morning becoming southwest 8 to 12 mph in the afternoon.

Mixing height.....Rising to 4500 ft AGL in the afternoon.


Transport winds.....Northeast up to 5 mph early in the morning becoming south to southwest 6 to 10 mph in the afternoon.

CWR.....0 percent.

LAL.....1.

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# FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 2	TYPE OF FIRE: Wildfire
FIRE NAME: Hirz Fire	OPERATIONAL PERIOD: Aug 13 <sup>th</sup> -14 <sup>th</sup> 0700-2000, 1800-0800
DATE ISSUED: August 12, 2018	TIME ISSUED: 2000
UNIT: Shasta-Trinity NF, Shasta Lake District	SIGNED:  /s/ Mike Beasley, FBAN

## INPUTS

### WEATHER SUMMARY

\*\*\* See Spot Weather Forecast \*\*\*

#### Discussion:

No significant changes over the fire site through Tuesday as high pressure dominates the weather pattern.

**Weather:** Hazy and areas of smoke.

**Max Temps:** 90 - 95°

**Min RH:** 11 - 16%

**20' Wind:** Northeast winds up to 7 mph shifting to the southwest up to 6 mph in the afternoon.

## FIRE BEHAVIOR

**Forecasted Indices:** Sugarloaf BI (Fuel Model G) 70 up 3; Sugarloaf ERC (Fuel Model G) 88 no change

### GENERAL:

- **Fuels:** The fire area has not burned in modern history, so there is considerable fuel accumulated, except in the more exposed granite and bare ground. The fire is comprised of pockets of mature timber on wetter, cooler slopes, with Douglas fir as the dominant species. Ponderosa pine is also present. On hotter south- and west-facing slopes, grey pine is the dominant tree species with abundant patches of contiguous manzanita. **All live fuel moistures are reaching critically dry levels.** There have been no on-Forest fuel moistures posted since July 1<sup>st</sup> to the online database. Live fuel moistures are modeled to be at or near 70% (lower on SW aspects) and dead/down 1000 hr. fuel moistures are < 6%.
- **Topography:** Aspect is largely northeast, though the fire is backing down on more west-facing slopes currently. The fire is burning on steep terrain above the McCloud Arm of Lake Shasta with slopes that vary between 35 and 75%. Elevation range is 1100 - 3513'.

### SPECIFIC FIRE BEHAVIOR:

Expect an increase in fire behavior, **after the inversion lifts**. Flame lengths with slope and wind in alignment in brush are expected to be 10 - 17' (20' with ridgetop gusts) and rates of spread of 24 - 75 chains/hour (120 ch/hr ridgetop gusts). Rare single-tree torching may be observed with short-range spotting < 0.3 mile (further if plume dominated) and a probability of ignition 85 - 91%. Fire spread will be mostly smoldering, flanking and backing (ROS < 2 ch/hr and flame lengths 1-3') with considerable spread through rollout. Inversion is suppressing fire behavior. Expect short runs as the fire moves laterally up- and down-canyon along the east-facing slope above the McCloud Arm. Watch for increasing fire behavior, as the fire moves onto more south- and west-facing slopes.

**DIV A:** Most of this division is on the opposite side of the McCloud Arm. For the portion of this Division west of the lake, the fire should back down to the Gillman Rd. with few control problems. Watch for rollout across the road.

**DIV Y:** Wind and slope are not aligned for any significant threat to this Division.

**DIV Z:** Unburned fuels between you and the fire. Indirect line construction should have favorable winds lingering from the previous evening, then the diurnal shift to a more southerly flow will threaten to push the fire north up the West or North Forks of Salt Creek after noon. This could threaten indirect line construction. Post lookouts.

## AIR OPERATIONS

Heavy smoke over the fire area possibly until after noon, when the inversion lifts.

Sunrise: 6:18am

Sunset: 8:11 pm

## SAFETY

\*\*\*Area is under a Fuels and Fire Behavior Advisory through August 17<sup>th</sup> for a heavy fine fuel crop and exceedingly low fuel moistures\*\*\*

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group <b>A</b>			
3. Incident Name <b>Hirz Fire</b>		4. Operational Period: <b>DAY</b>					
		Date/Time: 08/13/2018 0600 MON			Date/Time: 08/13/2018 2000 MON		
5. Operations Personnel							
Operations Chief	Don Fregulia	Division/Group Supervisor		Jack Sevelson			
Planning Ops	Dave Soldavini (t)	Air Attack Supervisor					
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 Diamond Mountain (C-12)	Dan Dobyms	8/25	20	N	ICP / 0600	ICP / 2000	
ENG3 KNF 357 (E-20)	Chase Crechriou	8/23	5	N	ICP / 0600	ICP / 2000	
ENG3 INF 41 (E-25)	Coner Mehl			N	ICP / 0600	ICP / 2000	
ENG6 Firestorm 9902 (E-53)	James Barbaria	8/21	3	N	ICP / 0600	ICP / 2000	
ENG6 Firestorm 9906 (E-58)	James Aurentz	8/21	3	N	ICP / 0600	ICP / 2000	
ENG6 Firestorm 9908 (E-35)			3	N	ICP / 0600	ICP / 2000	
ENG6 Mt. Adams 622	Mike Stutts	8/23	3	N	ICP / 0600	ICP / 2000	
ENG6 Mt. Adams 624 (E-52)	Ed Chico	8/21	3	N	ICP / 0600	ICP / 2000	
ENG6 Mt. Adams 623 (E-51)	Paula Holter	8/21	3	N	ICP / 0600	ICP / 2000	
ENG Bohica 31 (E-32)	Dave Campbell	8/21	3	N	ICP / 0600	ICP / 2000	
WT SRF 15 (E-36)	Michel Espioza			N	ICP / 0600	ICP / 2000	
WT Arizona 21	Jeff Hunt			N	ICP / 0600	ICP / 2000	
WT Shumas Fire (E-37)	Justin Shults	8/23	1	N	ICP / 0600	ICP / 2000	
WT Darrah Logging 754 (E-38)	Dave Orr	8/23	1	N	ICP / 0600	ICP / 2000	
WT Darrah Logging 755 (E-39)	Cory Preston	8/23	1	N	ICP / 0600	ICP / 2000	
FMOD Brown (O-12)	Dustin Brown	8/23	2	N	ICP / 0600	ICP / 2000	
FMOD American Timber & Fire (O-59)	Chris Linsley, Ray Schlatter	8/23	2	N	ICP / 0600	ICP / 2000	
SOF2	Jeff Barnhart		1	N	ICP / 0600	ICP / 2000	
7. Work Assignments: Patrol and Mop-up on Gilman Road. Assess structures in Gilman Road. Prep Gilman Road to A/Y break.							
8. Special Instructions: Coordinate with READS to identify areas of concern. Backhaul trash and excess equipment. GPS existing and proposed lines and turn into Situation Unit. Be prepared to support IA as directed by Operations Section Chief.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	Rx 171.5000 N Tx 164.8250 N	CMD 1	1 (Tone1)	Air to Ground Command	Rx 167.8125 N Tx 167.8125 N	A/G CMD	14
Tactical Div/Group	Rx 168.0500 N Tx 168.0500 N	NIFC T1	2 (Tone 10)	Air to Ground Tactical	Rx 168.3375 N Tx 168.3375 N	A/G TAC	15
Prepared by (Resource Unit Leader) Gary R. Deboi		Approved by (Planning Section Chief) Alan Taylor		Date Aug. 12, 2018		Time 2000	

<b>DIVISION ASSIGNMENT LIST</b>			1. Branch		2. Division/Group <b>Y</b>		
3. Incident Name <b>Hirz Fire</b>			4. Operational Period: <b>DAY</b>				
			Date/Time: 08/13/2018 0600 MON		Date/Time: 08/13/2018 2000 MON		
5. Operations Personnel							
Operations Chief		Don Fregulia		Division/Group Supervisor		Richard Ingraham, John Morgan (t)	
Planning Ops		Dave Soldavini (t)		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC2IA Modoc Crew 1 (C-3)		Willie Almand	8/22	19	N	ICP / 0600	ICP / 2000
HCI Tallac (C-17)		Kyle Betty		20	N	ICP / 0600	ICP / 2000
HC1 Salmon River IHC (C-9)		Bill Robinson	8/16	19	N	ICP / 0600	ICP / 2000
HC2 WFM Eagle Lake (O-6)		Antonio Jimenez	8/23	7	N	ICP / 0600	ICP / 2000
HC2 Fortuna Crew 22 (C-19)		Harold Reed	8/24	22	N	ICP / 0600	ICP / 2000
ENG3 MDF 56 (E-18)		Pat Preston	8/23	5	N	ICP / 0600	ICP / 2000
ENG3 SQF 41 (E-24)		Ed Fulton	8/17	5	N	ICP / 0600	ICP / 2000
ENG3 LNF 33 (E-7)		Kevin Yost	8/22	5	N	ICP / 0600	ICP / 2000
ENG3 MDF 64 (E-16)		Chad Holster	8/23	5	N	ICP / 0600	ICP / 2000
ENG3 MDF 65 (E-17)		Happy Hoppe	8/23	5	N	ICP / 0600	ICP / 2000
WT2 CNF 245 (E-93)		Norman Odorico		2	N	ICP / 0600	ICP / 2000
DO22 NEU 2341 (E-48)		Brent Rogers		1	N	ICP / 0600	ICP / 2000
DO22 North State (E-12)		George Poe		2	N	ICP / 0600	ICP / 2000
DOZ Zabel Trucking (E-41)		Frank Zabel	8/23	2	N	ICP / 0600	ICP / 2000
DOZ Thomas Horn (E-40)		Stan Drawyer	8/24	2	N	ICP / 0600	ICP / 2000
FALM Quinn (O-11)		Allen Ingersoil		1	N	ICP / 0600	ICP / 2000
TFLD (O-47)		Jim McCoy		1	N	ICP / 0600	ICP / 2000
EMT (O-42)		Louie Gonzalez		1	N	ICP / 0600	ICP / 2000
SOF2		Jeff Barnhart		1	N	ICP / 0600	ICP / 2000
7. Work Assignments: Continue prep on dozer line. Prepare for structure defense. Assess structures on Hirz Mt. Lookout Road.							
8. Special Instructions: Backhaul trash and excess equipment. GPS existing and proposed lines and turn into Situation Unit. Be prepared to support IA as directed by Operations Section Chief.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	Rx 171.5000 N Tx 164.8250 N	CMD 1	1 (Tone 1)	Air to Ground Command	Rx 167.8125 N Tx 167.8125 N	A/G CMD	14
Tactical Div/Group	Rx 167.7250 N Tx 167.7250 N	SLRD	3	Air to Ground Tactical	Rx 168.3375 N Tx 168.3375 N	A/G TAC	15
Prepared by (Resource Unit Leader) Gary R. Deboi		Approved by (Planning Section Chief) Alan Taylor			Date Aug. 12, 2018		Time 2000

<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>Z</b>			
3. Incident Name <b>Hirz Fire</b>		4. Operational Period: <b>DAY</b>					
		Date/Time: 08/13/2018 0600 MON			Date/Time: 08/13/2018 2000 MON		
5. Operations Personnel							
Operations Chief	Don Fregulia		Division/Group Supervisor	Pete English, Chris McCandless (f)			
Planning Ops	Dave Soldavini (f)		Air Attack Supervisor				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC1 American River IHC (C-7)	Matt Radtke	8/25	21	N	ICP / 0600	ICP / 2000	
HC1 Trinity IHC (C-5)	Richie Raposa	8/24	21	N	ICP / 0600	ICP / 2000	
HC1 Eldorado IHC (C-13)	Aaron Humphrey	8/26	20	N	ICP / 0600	ICP / 2000	
HC2IA Ukonom HS (C-24)	Joel Berg	8/26	19	N	ICP / 0600	ICP / 2000	
HC2IA Heart Lake (C-11)	Jake Fitzgerald	8/22	18	N	ICP / 0600	ICP / 2000	
HC1 Lassen IHC (C-10)	Allen Schultz	8/23	19	N	ICP / 0600	ICP / 2000	
ENG3 KNF 78 (E-21)	Josh Haddock	8/23	4	N	ICP / 0600	ICP / 2000	
DOZ2 PNF 3 (E-66)	Andrew Sheppard	8/20	2	N	ICP / 0600	ICP / 2000	
DOZ2 Jerry Pro Dump (E-13)	Curt Stahl	8/22	2	N	ICP / 0600	ICP / 2000	
DOZ2 Cattaneo (E-67)	Oak Smith	8/24	2	N	ICP / 0600	ICP / 2000	
North Zone Fallers (O-10)	Rick Mee, BJ McGannon		2	N	ICP / 0600	ICP / 2000	
EMTF (O-41)	Michael Sgro	8/21	1	N	ICP / 0600	ICP / 2000	
SOF2	Jeff Barnhart		1	N	ICP / 0600	ICP / 2000	
7. Work Assignments: Prep High Mountain Road. Continue line construction to Hanland Peak. Scout opportunities for line construction off Gilman Road.							
8. Special Instructions: Backhaul trash and excess equipment. GPS existing and proposed line and turn into the Situation Unit. Be prepared to support IA as directed by the Operations Section Chief.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	Rx 171.5000 N Tx 164.8250 N	CMD 1	1 (Tone 1)	Air to Ground Command	Rx 167.8125 N Tx 167.8125 N	A/G CMD	14
Tactical Div/Group	Rx 168.2375 N Tx 168.2375 N	R5 TAC 6	4 (Tone 10)	Air to Ground Tactical	Rx 168.3375 N Tx 168.3375 N	A/G TAC	15
Prepared by (Resource Unit Leader) Gary Deboi		Approved by (Planning Section Chief) Alan Taylor		Date Aug. 12, 2018		Time 2022	









# AIR OPERATIONS SUMMARY

Prepared By: Bruce Wicks

Prepared Date: 12 Aug 2018

Prepared Time: 1930

<b>1. INCIDENT NAME:</b> Hirz		<b>2. OPS PERIOD DATE:</b> 13 Aug-2018		<b>START TIME:</b> 0800	<b>END TIME:</b> 2000	<b>SUNRISE:</b> 0618	<b>SUNSET:</b> 2010		
<b>3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):</b> MONITOR AIR TO GROUND FREQ WHEN AIRCRAFT ARE IN YOUR DIVISION. SITUATIONAL AWARENESS IS HIGH PRIORITY ALONG WITH BUCKET WORK! FLY WITH LIGHTS AND TRANDSPONDER ON (1255) <i>Watch out for high tension wires</i>				<b>4. READY ALERT AIRCRAFT</b> MEDEVAC - See Medical Plan H-506 (T2), Designated Guard 841 Dedicated 24 hr				<b>5. TFR #:</b> 8/6775 9000 msl, polygon	

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Bruce Wicks	530-906-2224	AIR/AIR - TFR AIR/AIR ROTOR	124.5750 A-8 118.7750 A-30		AIRTANKERS- TBA
ASGS	Steve Beall	530-598-6755	AIR Tactics FW AIR/GD Command AIR/GD Tactics		166.9500 A-9 167.8125 A-10 168.3375 A-31	LEAD PLANES- TBA ATGS AIRCRAFT- 690HB AA06 A-28
HEB1	On order					
			Command 1		171.5000 rx 164.8250 tx Tone 1	
			Command 2			
			Deck		163.100 (107.2) tx/rx	
			Air Guard		168.6250 (110.9)tx/rx	OTHER FW AIRCRAFT-

9. HELICOPTERS (Use Additional Sheets as Necessary)


FAA N#	T Y	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T Y	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
205BT	2	H-506	Hirz HB	0830	0800	EXC A-4							
948CH	1	CH-47	Hirz HB	0830	0800	A-21							
804PJ	1	UH-60	Hirz HB	0830	0800	CWN A-22							
611CK	1	1CK	Hirz HB	0830	0800	EXC A-29							
161KA	1	1KA	Hirz HB	0830	0800	EXC A							

Note:



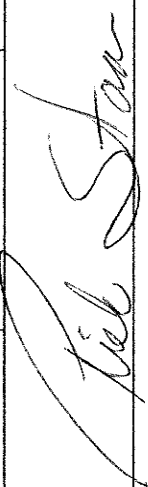
<b>INCIDENT RADIO COMMUNICATIONS PLAN</b>		Incident Name <b>HIRZ CA-SHF-001223</b>		Date/Time Prepared 08/12/18 1800hrs	Operational Period Date/Time 8/13/18 0600 To 8/14/18 0800
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Only frequencies listed on this 205 are authorized for use on this incident.						Hand programmers accept all responsibility for the use of unauthorized frequencies.			
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	SHF SERVICE NET RPT	CMD 1	ALL DIVISIONS	171.5000 N		164.8250 N	T-1	A	USE TONE 1 (110.9)
2	NIFC TAC 1	NIFC T1	DIVISION A	168.0500 N	T-10	168.0500 N	T-10	A	USE TONE 10 (107.2)
3	SLRD DISTRICT NE SIMPLEX	SLRD	DIVISION Y	167.7250 N		167.7250 N		A	
4	R5 TAC 6	R5 TAC 6	DIVISION Z	168.2375 N	T-10	168.2375 N	T-10	A	USE TONE 10 (107.2)
5	NIFC TAC 3	NIFC T3	CONTINGENCY GROUP	168.6000 N	T-10	168.6000 N	T-10	A	USE TONE 10 (107.2)
6	NIFC TAC 5	NIFC T5	STRUCTURE GROUP	166.7250 N	T-10	166.7250 N	T-10		USE TONE 10 (107.2)
7									
8									
9									
10									
11									
12	SHF FOREST NET	EMERGENCY	ALL DIVISIONS	171.5750 N		165.0125 N	T-10 OR 113	A	FOR EMERGENCY CONTACT TO SHF DISPATCH USE TONES 10 OR 13
13	CALCORD	CALCORD	ALL DIVISIONS	156.0750 N	T-6	156.0750	T-6	A	MEDICAL EMERGENCY TACTICAL
14	A/G COMMAND	A/G CMD	ALL DIVISIONS	167.8125 N		167.8125 N		A	ORDERING OF AIRCRAFT
15	A/G TACTICAL	A/G TAC	ALL DIVISIONS	168.3375 N		166.3375 N		A	AIR TO GROUND TACTICAL
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N	TONE 1	168.6250 N	TONE 1	A	EMERGENCY ONLY

Prepared by    
 Incident Location  
 HIRZ ICP, SHASTA-TRINITY NATIONAL FOREST

<b>INCIDENT RADIO COMMUNICATIONS PLAN</b>		<b>HIRZ CA-SHF-001223</b>		Date/Time Prepared 08/12/18 1800hrs		Operational Period Date/Time 8/13/18 0600 To 8/14/18 0800	
Incident Name		<b>INITIAL ATTACK</b>					

Only frequencies listed on this 205 are authorized for use on this incident.		Hand programmers accept all responsibility for the use of unauthorized frequencies.							
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	SHASTA LAKE MGMT. UNIT	SLMU	INITIAL ATTACK	167.7250 N		167.7250 N	T-7	A	USE TONE 7 (167.9)
2	SHAST-TRINITY REPEATER	SHR-R	INITIAL ATTACK	171.5750 N		165.0125 N	TONES 1-16	A	SHF DISPATCH NET
3	NIFC TAC 2	NIFC T2	INITIAL ATTACK	168.2000 N		168.2000 N		A	
4	R5 TAC 4	R5 TAC 4	INITIAL ATTACK	166.5500 N		166.5500 N		A	
5	R5 TAC 5	R5 TAC 5	INITIAL ATTACK	167.1125 N		167.1125 N		A	
6	SHASTA-TRINITY SERV. RPT.	SERV-R	INITIAL ATTACK	171.5000 N		164.8250 N	TONES 1,4,6,12	A	
7	SHASTA COUNTY F1 REPEATER	SHS CMD	INITIAL ATTACK	154.4300 N		159.0150 N	TONES 1-16	A	
8	SHASTA COUNTY F2 - TACTICAL	SHS F2	INITIAL ATTACK	154.0100 N		154.0100 N		A	
9	CALFIRE TAC 9	CDF T9	INITIAL ATTACK	151.3850 N		151.3850 N	T-16	A	
10	SHASTA-TRINITY UNIT REPEATER	SHU-R	INITIAL ATTACK	151.1600 N		159.2700 N	TONES 1-16	A	
11	CAL FIRE TAC 11	CDF T11	INITIAL ATTACK	151.4450 N		151.4450 N	T-16	A	
12	CAL FIRE TAC 12	CDF T12	INITIAL ATTACK	151.4600 N		151.4600 N	T-16	A	
13	CAL FIRE A/G 2 (PRIMARY)	CDF A/G 2	INITIAL ATTACK	159.2625 N		159.2625 N	T-16	A	
14	CALCORD	CALCORD	EMERGENCY USE	156.0750 N	T-6	156.0750 N	T-6	A	MEDICAL EMERGENCY TACTICAL
15	AIR TO GROUND, CA. PRIMARY	R5 AG43	INITIAL ATTACK	166.8750 N		166.8750 N		A	INITIAL ATTACK A/GHIRZ A/G
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N	168.6250 N	168.6250 N	168.6250 N	A	EMERGENCY ONLY

Prepared by  Incident Location: HIRZ ICP, SHASTA-TRINITY NATIONAL FOREST

Rick Stone, COM1  
S 205 - 2007H

# MEDICAL PLAN (ICS 206 WF)

<b>1. Incident/Project Name</b>		<b>2. Operational Period</b>		<b>Day/Night</b>				
<b>HIRZ FIRE</b>		Date/Time <b>8/13/18 0600 - 8/014/18 0800</b>						
<b>3. Ambulance Services</b>								
<b>Name</b>	<b>Location</b>		<b>Phone &amp; EMS Frequency</b>	<b>Advanced Life Support (ALS)</b> Yes      No				
Medic 78 – Incident Ambulance	Hirz Bay Campground		Contact on Command	X				
AMR Ambulance	Shasta Lake, CA (if available)	40min-ETA	911	X				
<b>4. Air Ambulance Services</b>								
<b>Name</b>	<b>Phone</b>		<b>Type of Aircraft &amp; Capability</b>					
Reach/PHI      15 min eta	911		Air Ambulance – Redding, CA		Day/Night			
Calfire H-202      40 min eta	911		Hoist Rescue– Bieber, CA		Day only			
CHP      15 min eta	911		Hoist Rescue – Redding, CA		Day only			
Guard 841      20 min eta	911 – Redding ECC Cal-Fire aircraft desk		Hoist Rescue – Redding, CA		Day/Night/Smoke			
<b>5. Hospitals</b>								
<b>Name &amp; Level</b>	<b>GPS Datum – WGS 84 Degrees Decimal Minutes</b>		<b>Travel Time Air      Gnd</b>		<b>Phone</b>	<b>Helipad Yes      No</b>	<b>Address</b>	
Pulse Urgent Care	Lat:		N/A	50 min	530-722-1111		X	100 E. Cypress Ave. Redding, CA 96002
	Long:							
	VHF:							
Mercy Medical Center – Level II Trauma	Lat:	N40°34.33	15 min	50 min	530-225-7201 (ER)	X		2175 Roseline Ave. Redding, CA
	Long:	W122°23.80						
	VHF:							
Shasta Regional Medical Center	Lat:	N40°35.08	15 min	50 min	530-244-5353 (ER)	X		1100 Butte, Redding, CA
	Long:	W122°23.25						
	VHF:							
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.30	1 hr	3.5 hrs	916-734-3636 916-734-3790	X		2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.33						
	VHF:							
<b>6. Division / Crew Pre-plan. Update and discuss with assigned resources daily</b>								
<b>Crew EMTs &amp; Equipment</b>								
<b>Fireline EMTs &amp; Location Adv. Life Support?</b>								
<b>Air Hoist site: Lat: / Long:</b>								
<b>Helispot: Lat: / Long:</b>								
Hirz Bay boat launch – N40°51.72 W122°15.26								
H-1      N40°55.00 W122°14.57								
<b>Alternate no-fly plan:</b>								
<b>7. Remote Aid Stations</b>								
<b>Hirz Medical Unit– ICP</b>			<b>Point of Contact:</b>			MEDL – Josh Ramey (Cell: 530-277-1213)		
			<b>EMS Responders &amp; Capability:</b>			Frontline Advanced Life Support		
			<b>Equipment Available on Site:</b>			Medical supplies		
			<b>Ambulance ETA :</b>			Air – 15 min.      Ground – 5 min.		
<b>8. Prepared By (Medical Unit Leader)</b>			<b>9. Date/Time</b>		<b>10. Reviewed By (Safety Officer)</b>		<b>11. Date/Time</b>	
Josh Ramey – MEDL 530-277-1213 <i>Josh Ramey</i>			8/12/18 1930		James Courtright – SOF2 <i>James Courtright</i>		8/12/18 1930	



# MEDICAL PLAN (ICS 206 WF)

## Medical Incident Report

**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 (including number of patients) and command structure. *Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree. Requesting air ambulance to Forest Road 1 at (Lat. / Long.) This will be the Trout Meadow Medical, IC is TFLD Jones. EMT Smith is providing medical care."*

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> <b>URGENT-RED Life threatening injury or illness.</b> <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 <b>IMMEDIATE.</b>
<input type="checkbox"/> <b>PRIORITY-YELLOW Serious Injury or illness.</b> <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 <b>DELAYED.</b>
<input type="checkbox"/> <b>ROUTINE-GREEN</b> Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered <b>Routine of Convenience.</b>

<b>Nature of Injury or Illness &amp; Mechanism of Injury</b>		Brief Summary of Injury or Illness ( <i>Ex: Unconscious, Struck by Falling Tree</i> )
<b>Transport Request</b>		<i>Air Ambulance / Short-Haul/Hoist/ Ground Ambulance / Other</i>
<b>Patient Location</b>		<i>Descriptive Location &amp; Lat. / Long. (WGS84)</i>
<b>Incident Name</b>		<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>
<b>On-Scene Incident Commander</b>		<i>Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)</i>
<b>Patient Care</b>		<i>Name of Care Provider (Ex: EMT Smith)</i>

**3. INITIAL PATIENT ASSESSMENT:** Complete this section for each patient. Start with most severe.

<b>Patient Assessment:</b> (See IRPG page 106)	<b>Treatment:</b>
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**4. TRANSPORT PLAN:**

**Evacuation Location** (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.)

**Patient's ETA to Evacuation Location:**

**Helispot / Extraction Site Size and Hazards:**

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

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

**6. COMMUNICATIONS:**

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

**7. CONTINGENCY:**

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

**8. ADDITIONAL INFORMATION:** Updates / Changes, etc.

**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.

## HIRZ INCIDENT RISK ANALYSIS (215a)

**Day Shift, August 13, 2018 (0600 to 2000) and Night Shift, August 13-14 (1800-0800)**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	Medical Emergencies	<ul style="list-style-type: none"> <li>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</li> <li>~ Refer to the Medical Incident Report on pages 118 – 119 in 2018 IRPG for info into Communications</li> <li>~ <b>Develop Division/Crew Pre-Plan in block #6 on the Medical Plan and fill in necessary information to assist you with an incident within an incident.</b></li> <li>~ Base all operational decisions and activities on these 3 questions:               <ol style="list-style-type: none"> <li>1.) What are we going to do if someone gets hurt?</li> <li>2.) How will we get them out of here?</li> <li>3.) How long will it take to get them to a hospital?</li> </ol> </li> <li>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</li> <li>~ <b>Have Alternate plan in place when aircraft is grounded due to visibility issues.</b></li> <li>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</li> <li>~ Re-route EMS helicopter to rendezvous point as appropriate</li> <li>~ Review page 2 in IRPG 2018 for briefing subordinates.</li> <li>~ If Night extraction by Air Ambulance with Hoist capabilities and NVG (Night Vision Goggles) is required, the following will assist in a smooth extraction.               <ul style="list-style-type: none"> <li>* <u>Minimum</u> of a 20' x 20' clearing</li> <li>* 3 GREEN Glow Sticks placed on edges of clearing forming a triangle to assist pilot in visual horizon.</li> <li>* Turn ALL headlamps and vehicle lights OFF</li> <li>* Communicate with Air Ambulance on CALCORD tone 6</li> </ul> </li> <li>~ <b>Be aware of Rotor Wash &amp; its effect on Fire behavior when the extraction point is next to an active fires edge.</b> <ul style="list-style-type: none"> <li>• If possible, <b>MOVE</b> patient to an area with less fire activity</li> </ul> </li> </ul>
ALL	Hydration & Heat Illness	<ul style="list-style-type: none"> <li>• <b>Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a <u>minimum</u> of 250ml/hour; (¼ of canteen)</b></li> <li>• Drink water &amp; Electrolyte drinks before, during, and after shifts. (2 waters to 1 sports drink).</li> <li>• <b>Do NOT mix with water</b> or dilute electrolyte drink. It must be consumed as is for the body to absorb properly.</li> <li>• <b>Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, &amp; medical attention.</b></li> <li>• Pace work to avoid heat injuries</li> <li>• Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness &amp; Headaches, clammy skin, persistent muscle cramps, decreased urine output.               <ul style="list-style-type: none"> <li>○ <b>Cool patient as quickly as possible!</b></li> <li>○ Move patient to a cooler location and provide cold water and sports drink.</li> <li>○ Actively reduce core temperature through evaporation by fanning patient.</li> <li>○ Remove Patient from fire line and seek medical attention</li> <li>○ Cover head and neck with wet cloth, increase air movement.</li> <li>○ Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness, Headaches, clammy skin, persistent muscle cramps, and decreased urine output.</li> </ul> </li> <li>• <b>Mental confusion may develop. This is a serious trigger point for the potential onset of Heat Stroke or Hyponutremia (water intoxication).</b></li> <li>• Refer to Medical Plan in IAP for additional <b>EMS care and Evacuation</b></li> </ul>
ALL	Fire Behavior	<ul style="list-style-type: none"> <li>~ Expect an increase of Fire Behavior when the Inversion lifts.</li> <li>~ Provide weather forecasts/observations for all personnel assigned during Operational briefings</li> <li>~ Update field personnel via the Command Channel when significant weather changes are observed that could impact area</li> <li>~ <b>Review "Alignments &amp; patterns for Dangerous Fire Behavior" pg 73 in IRPG, 2018</b></li> <li>~ <b>Be aware that Brockman Flat Lava Field and Eagle Lake has local effects on Fire Behavior.</b></li> <li>~ <b>Develop Management Action Points/Trigger Points for disengagement of resources and make them known to all. Re-assess as needed.</b></li> <li>~ Use "Risk Management Process" prior to engaging in suppression actions, referring to pg 1, IRPG, 2108</li> <li>~ Ensure LCES is in place before engagement of resources</li> <li>~ Adhere to the 10 Standard Firefighting Orders &amp; mitigate the 18 Watch Out Situations</li> <li>~ Post experienced lookouts. Monitor current weather conditions and forecasts</li> <li>~ Maintain adequate Escape Routes to Safety Zones. Advise all personnel if these are compromised or change</li> <li>~ Have vehicles facing the direction of the Escape Route and ensure they are NOT blocking the route</li> </ul>
ALL	Steep, Rugged Terrain, Cliffs, Rocky Ledges	<ul style="list-style-type: none"> <li>~ <b>Unforgiving terrain, Cliffs and Rocky Ledges. Ensure you remain focused when walking.</b></li> <li>~ Maintain 8'-10' spacing when working &amp; walking.</li> <li>~ Don't work above any personnel.</li> <li>~ Be on the lookout for rolling rocks, debris, or burning material that could cross your control lines</li> <li>~ Evaluate necessity to send personnel in areas with limited access.</li> <li>~ Post lookouts (IRPG pg 6).</li> </ul>

## HIRZ INCIDENT RISK ANALYSIS (215a)

**Day Shift, August 13, 2018 (0600 to 2000) and Night Shift, August 13-14 (1800-0800)**

ALL	<b>Heavy Equipment Operations</b>	<ul style="list-style-type: none"> <li>~ Establish visual &amp; radio communication methods are in place prior to engaging</li> <li>~ Make positive eye contact with operator before approaching. Approach only when the equipment is idled down, all implements have been lowered to the ground, and you're invited toward the cab</li> <li>~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber. Increase distance to 300'+ when working with Masticators.</li> <li>~ Close roads or trails if necessary for public safety</li> <li>~ Correctly wear all required PPE</li> <li>~ Refer to page 86 in IRPG, 2018</li> </ul>
DIV Y & Z	<b>Indirect Fireline</b>	<ul style="list-style-type: none"> <li>~ Post lookouts, identify escape routes and safety zones IRPG Pg. 7</li> <li>~ Review "Strategy Direct/Indirect Attack" IRPG Pg. 82-83</li> <li>~ Refer to "Line Location" IRPG Pg. 84</li> </ul>
ALL	<b>Power &amp; Utilities</b>	<ul style="list-style-type: none"> <li>~ Always treat downed wires as energized.</li> <li>~ Notify all personnel of down electrical lines.</li> <li>~ Communicate - Identify - Isolate - Deny Entry</li> <li>~ Refer to pages 24 &amp; 25 in IRPG, 2018 for Power Line Safety.</li> <li>~ Heavy Smoke and Flames can cause arcs to ground. Stay &gt;100' away from transmission lines</li> <li>~ Extinguish wooden poles burning at the base with a fog pattern to prevent downed wire hazards</li> <li>~ Be aware that generators can "back feed" power onto lines when improperly installed</li> <li>~ Identify and avoid high tension transmission lines.</li> <li>~ Identify, flag, communicate to supervisor, and deny entry to high pressure natural gas lines.</li> <li>~ Identify, flag, communicate to supervisor, and deny entry to damaged gas service near structures.</li> <li>~ Be aware of utility restoration in your work area.</li> <li>~ Be aware that powerlines lying on metal fences can send dangerous currents along the fence for miles</li> </ul>
ALL	<b>Driving &amp; Traffic</b>	<ul style="list-style-type: none"> <li>~ Practice "Defensive Driving" techniques traveling on all roads in both rural and urban settings</li> <li>~ Slowdown in limited visibility (smoky/dusty) &amp; congested areas. Increase following distances to allow dust to settle, &amp; to allow for reaction time lag. Use low beam headlights</li> <li>~ Honk horn to alert personnel when backing. Use spotters when available</li> <li>~ Pull over to allow oncoming traffic to pass on a narrow road base. If required to back-up at night, have the vehicle in front of you turn their headlights to "running lights" to eliminate night blindness while you back out of the way. Utilize a backer.</li> <li>~ Expect two way traffic on one lane roads. Stay on your side, and approach corners with caution</li> <li>~ Headlights ON. Manually turn on Headlights. Most vehicles have "auto" headlights</li> <li>~ <b>NO riding in the back of pick-ups. It is against the Law.</b></li> </ul>
ALL	<b>Hazard Trees</b>	<ul style="list-style-type: none"> <li>~ Green Trees &amp; Fire weakened trees continue to be a threat</li> <li>~ Scout work area for aerial hazards prior to engagement to ensure a safe work area</li> <li>~ Follow "Hazard Tree Safety" guidelines, page 22, 23 in IRPG, 2018</li> <li>~ Look up, down and around for Hazard Tree indicators. Info on pg 22 IRPG, 2018</li> <li>~ Post lookouts, or use a spotter in mop-up areas with personnel.</li> <li>~ Don't park vehicles or take breaks in high concentrations of hazard trees.</li> <li>~ Establish trigger points for disengagement during high wind events.</li> <li>~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights.</li> <li>~ Utilize pg 85 in the IRPG, 2018 for Procedural Felling Operations</li> <li>~ <b>No "Felling" of any tree at Night, or during High Wind events.</b></li> <li>~ Flag off areas of concern, communicate to Division, adjoining resources, and brief relief resources until hazards have been mitigated</li> <li>~ <b>Post a "Lookout" if possible to control the area of concern</b></li> </ul>
ALL	<b>Aircraft Operations till 2010</b>	<ul style="list-style-type: none"> <li>~ Review and discuss Aviation Watch Out Situations listed in IRPG pg 46</li> <li>~ Ensure resources are clear of "Target Area" during bucket or retardant use.</li> <li>~ Use air-to-ground frequency to communicate with aircraft.</li> <li>~ Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective and mirror flashes.</li> <li>~ Evaluate risk vs gain for each mission/target</li> <li>~ Ensure use of qualified personnel when involved with longline operations.</li> <li>~ Keep non-essential personnel away from dip sites (natural and/or man made)</li> <li>~ Ensure personnel receive a passenger briefing prior to flight.</li> <li>~ <b>Use aerial Supervision and maintain separation.</b></li> </ul>
ALL	<b>Biting, Stinging Insects, &amp; Critters (Rattle Snakes, Bees, Mosquitoes, Scorpions, Ticks, Wildlife, etc)</b>	<ul style="list-style-type: none"> <li>• If allergic to bee stings, let your DIVS &amp; Medic/EMT's know.</li> <li>• <b>Leave the snakes alone!</b></li> <li>• Shake out boots and or sleeping bags prior to use</li> <li>• Use bug spray to minimize mosquito bites.</li> <li>• Check yourself daily for tick bites.</li> <li>• <b>Leave wildlife alone. Backhaul ALL Trash please.</b></li> </ul>
INCIDENT NAME <b>HIRZ</b>  ICS 215a		DATE PREPARED: <p style="text-align: center;"><b>August 12, 2018</b></p> TIME PREPARED: <b>1400 HOURS</b>
		OPERATIONAL PERIOD <b>Day Shift 0600 - 2000</b> <b>Night Shift 1800 - 0800</b>  Prepared by: Courtright, SOF2



## **Safety Zones 2 (LCES)**

### **Category:**

Operational Engagement

Continued from: [Safety Zones 1 \(LCES\)](#) [1]

Safety Zone(s) are locations where the threatened firefighter may find refuge from the danger. Unfortunately shelter deployment sites have been incorrectly called safety zones. Safety zones should be conceptualized and planned as a location where no shelter is needed. This does not intend for the firefighter to hesitate to deploy their shelter if needed, just if a shelter is deployed the location is not a tree safety zone. Fireline intensity and safety zone topographic location determine safety zone effectiveness.

- How have you determined the distinction between a safety zone and a deployment zone?
- Is refuge in a vehicle, house an acceptable tactic?
- Consider access to the incident. You are often confronted with considerable distances of unburned fuel to cross. How do you manage LCES?

Date & Time Order was placed:		Order #	Location & Time for Delivery (DIV,LZ,DP,Lat Long)		Mode of delivery
		(DIVS+#)			(Driven/Helo/DIVS to Pick up)
			Lat:		
			Long:		
Order received in Communications by (Name):					Time:
Order shipped to line by (Name): (Send this sheet to the line with the order)					Time:
#	Item				
1	<b>1,000 Foot Hose Lay includes the following: Amount _____</b>				
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles				
2	<b>2,000 Foot Hose Lay includes the following: Amount _____</b>				
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles				
3	<b>3,000 Foot Hose Lay includes the following: Amount _____</b>				
	30, 100'x1½" Rolls Hose; 30, 100'x1" Rolls Hose; 30, 1½" Gated Wyes; 30, 1½" to 1" reducers; 30, 1" nozzles				
#	Item	Amount	#	Item	Amount
4	Hose (50') garden, 3/4"		30	Gas Unleaded (Gallons)	
5	Hose (100'), 1"		31	Oil 2 cycle, (Pints)	
6	Hose (100'), 1½"		32	Bar Oil (Qts)	
7	Nozzle, Garden, 3/4"		33	Drip Torch ea	
8	Nozzle, Forester, 1"		34	Drip torch mix 3.5:1.5 (gallon)	
9	Nozzle, KK Type, 1"		35	Fusees (Boxes or cases)???	
10	Nozzle, KK Type, 1½"		36	Flare Gun Rounds (12/BX)	
11	Wye, Gated, 3/4"		37	Cartridge #6 purple (box)	
12	Wye, Gated, 1"		38	Batteries "AA" PKGs(24/PKG)/BX	
13	Wye, Gated, 1½"		39	Ribbon, Flagging (Specify Color)*	
14	Inline-Tee, 1x1x3/4"		40	Water, Cubies	
15	Inline-Tee, 1x1x1"		41	Water, Bottled, Cases	
16	Inline-Tee (1½" X 1")		42	Gatorade	
17	Reducer, 1" X 3/4"		43	MRE's (12/BX)	
18	Reducer, 1½" X 1"		44	Heavy Mill Plastic	
19	Increaser, 3/4" X 1"		45	Washcloth, waterless, cleansing	
20	Increaser, 1" X 1½"		46	Wrap, Structure 54"x300'	
21	Foam 5 gal		47	Sprinkler Kit	
22	Foam 4 oz (For Backpack Pump)		48	Mark 3 Pump	
23	Backpack Pump		49	Mark 3 Pump Kit- w/10 gal mixed fuel	
24	Pumpkin (Gallons?)		50	Chainsaw Kit	
25	Porta-Tank (Gallons?)		51	Mop-Up Kit, 3-Wand	
26	Shovel		52	Pump Kit, Lightweight, 2 Cycle	
27	Pulaski		53	Gas, Raw and 2 qts 2-cycle oil, ea	
28	Combi Tool		54	Lightweight Pump Kit-Cache w/5gal fuel	
29	McCloud		55	Gas, raw (gal) and 1 qt 2-cycle oil, ea.	
Notes:			Notes:		



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