

WHALEBACK FIRE

Incident Action Plan

Day Shift July 29, 2018

0600 – 2000

Night Shift July 29/30, 2018

1800 - 0800

TRANSITION DAY

- **Clone to the New Communications Plan**
- **Be Briefed on Your Assignment and Provide Updates to Your Supervisor**

DRIVING AND PUBLIC ON ROADWAY

- **Reduce Speed, Drive Defensively!**
- **Use Flashers or Emergency Lights**
- **Pull Completely Off Road While Working**


POTENTIAL FOR EXTREME FIRE BEHAVIOR

- **Rapid Rate of Spread Possible**
- **High Potential for Spotting. Post Lookouts**

KEEP A HIGH LEVEL OF SITUATIONAL AWARENESS

CA-LNF-003951 P5L1VS18 (0506)

**Lassen National Forest, Eagle Lake Ranger District
Northern California Incident Management Team 1**

INCIDENT OBJECTIVES	1. Incident Name Whaleback	2. Date 07/28/2018	3. Time 2100
4. Operational Period July 29-30, 2018 DAY - NIGHT SHIFT			
<u>CONTROL OBJECTIVES</u> 1) Keep the Whaleback Fire: <ul style="list-style-type: none"> • South and east of County Road 105 to protect forest resources, private property, and heritage cultural resources. • West of Eagle Lake to protect private property, private timber values, and heritage cultural resources. • North of the Merrill Flat Road and County Road 112 to protect private residential property, heritage and natural resources. <u>MANAGEMENT OBJECTIVES</u> <ol style="list-style-type: none"> 1) Provide for public and fire fighter safety by maintaining life first principles. 2) Implement strategies and tactics that have a high probability of success always taking into consideration responder exposure. 3) Protect community of Spaulding Flat, rural private residences, and Eagle Lake developed recreation sites. 4) Minimize impacts to high value private timber lands, infrastructure, and heritage cultural resources. 5) Minimize post-fire, undesirable fire and suppression effects. 6) Establish and strengthen cooperator, partner, and stakeholder relationships and provide timely and accurate incident information. 			
6. Weather Forecast for Period <ul style="list-style-type: none"> • See attached weather forecast. 			
7. General Safety Message <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) Walter Herzog	10. Approved by (Incident Commander) Curtis Coots 		

ORGANIZATION ASSIGNMENT LIST	
1. Incident Name Whaleback	
2. Date July 28, 2018	3. Time 2100
4. Operational Period Day-Night Shift, July 29-30, 2018	
Position	Name
5. Incident Commander and Staff	
Incident Commander	Curtis Coats, Dustan Mueller (t)
Deputy	Jaime Gamboa
Safety Officer	Michele Tanzi, Jeff Barnhart, Duane Franklin (t)
Information Officer	Kathy Hardy, Shawn Compton
Liaison Officer	Kent Swartzlander
Human Resources	
6. Agency Representative	
Agency Administrator	Nate Rezeau
Agency Rep. BLM	Brian Novosak
Cal Fire	Adam Mattas
Lassen Sheriff's Office	Sheriff Dean Growden
CHP	Corey Regnani
Beaty & Associates	Ryan Hilburn
Private Timber Rep.	Darin Quigley
Lassen County OES	Eric Ewing
7. Planning Section	
Chief	Walter Herzog
Deputy	
Resources Unit	Rita Mustafia
Situation Unit	
Demobilization Unit	Gary Deboi
Training	
CTSP	George Steel
GIS	Matt Dickinson, Jim Gonzalez, Kent Bloomer (t)
FBAN	Mike Beasley
IMET	
Lead READ BLM	Devin Snyder
SCKN	Marisa Williams
8. Logistics Section	
Chief	Richard Crowther, Mike Jellison, David Alicea (t)
Deputy	

Supply Unit	Ron Pierce
Ordering	Aaron Woods
Facilities Unit	Jeff Huhtala, Frank DelCarlo
Ground Support Unit	
Communications Unit	Richard Stone
Medical Unit	Josh Ramey
Receiving & Distribution	Fred Johnson
Security Manager	
Food Unit	Jay Westlake
9. Operations Section	
Operations - Day	Don Fregulia
Operations - Night	Mike Klimek
Planning Ops	Curt Lindstrand, Dave Soldavini (t)
a. Division/Groups	
DAY	
Division/Group A	Jack Sevelson
Division/Group M	Richard Inghram
Division/Group T	Unstaffed
Division/Group Z	Billy Covert
Structure	
b. Division/Groups	
NIGHT	
Division/Group A / M	Matthew Prentiss
Division/Group T / Z	Jacob Bolts
Division/Group	
Division/Group	
Division/Group	
c. Air Operations Branch	
Air Operations Branch Director	Bruce Wicks
Air Attack Supervisor	
Air Support Supervisor	Steve Beall
Helicopter Coordinator	
Air Tanker Coordinator	
10. Finance Section	
Chief	Lois Charlton
Time Unit	
Equipment Unit	Louise Casias
Cost Unit	Lou Ann Charbonnier (t)
Compensation/Claims Unit	
Procurement	
Prepared by (Resource Unit Leader) Gary R. Deboi	

Spot Forecast for WHALEBACK

WHALEBACK

National Weather Service Reno

2018-07-28 3:06 PM PDT

Spot Forecast for WHALEBACK...CALNF

National Weather Service Reno NV

306 PM PDT Sat Jul 28 2018

Forecast is based on forecast start time of 1600 PDT on July 28.
If conditions become unrepresentative...contact the National
Weather Service in Reno.

.DISCUSSION...

Hot and dry conditions will persist into much of next week. Poor
humidity recovery will occur over the mid slopes and ridges each
night. Winds will be light overall, but larger fire plumes will
create their own weather and produce stronger erratic wind
gusts. Winds may increase later next week with locally critical
fire weather conditions possible.

.SUNDAY...

Sky/Weather.....Sunny. Haze and areas of smoke.

Max Temperature.....84-89.

Min Humidity.....16-19%.

20-Foot Winds.....Upslope 3-7 mph becoming southwest 5-10 mph in
the afternoon. Stronger erratic gusts near large fire plumes.

LAL.....1.

Chc Wetting Rain....0%.

Mixing Height.....1800 ft agl increasing to 14000 ft agl in the afternoon.

Transport Winds.....Light winds.

Ventilation.....Poor in the morning then to excellent.

Haines Index.....5.

.SUNDAY NIGHT...

Sky/Weather.....Clear. Haze.

Min Temperature.....49-54.

Max Humidity.....43-46%.

20-Foot Winds.....Northwest winds 6-12 mph in the evening
becoming downslope 2 to 5 mph.

LAL.....1.

Chc Wetting Rain....0%.


Mixing Height.....12000 ft agl in the evening then 200-500 ft agl.

Transport Winds.....Light winds.

Ventilation.....Very good in the evening then poor.

Haines Index.....5.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 1	TYPE OF FIRE: Wildfire
FIRE NAME: Whaleback	OPERATIONAL PERIOD: 0001 - 2400 , July 29, 2018
DATE ISSUED: July 28, 2018	TIME ISSUED: 2000
UNIT: Lassen NF, Eagle Lake Ranger District	SIGNED:  /s/ Mike Beasley, FBAN

INPUTS

WEATHER SUMMARY

See Spot Weather Forecast

Discussion:

Hot and dry conditions will persist into much of next week. Poor overnight humidity recovery. Winds will be light overall, but larger fire plumes will create their own weather and produce stronger erratic wind gusts.

Weather: Sunny. Haze and areas of smoke.

Max Temps: 84 - 89°

Min RH: 16 - 19%

20' Winds: Upslope/up-canyon 3 - 7 becoming southwest 5-10 in the afternoon.

Haines Index: 5

FIRE BEHAVIOR

Forecasted Indices: Bogard ERC (Fuel Model G) 63; Gordon ERC (Fuel Model G) 76

GENERAL:

- **Fuels:** The fire area has not burned since 1955, so there is considerable fuel, which could generate plume-dominated fire behavior. The fire is comprised of fine fuel (annual grasses) and 50-60 yr. old decadent brush, much of which is needle-draped. Fine fuels include cheatgrass, medusa head and other annuals. The fire is burning in widely-spaced Ponderosa pine mixed with Jeffery pine. Other tree species include sugar pine, as well as red fir at higher elevations. White fir is intermixed at all elevations. Brush fuels include mountain mahogany, chinquapin oak, manzanita, and ceanothus. **Fuel moistures are reaching critically dry levels.** Live fuel moistures are modeled to be near at 60 - 88% (lower on SW aspects) and dead/down 1000 hr. fuel moistures are < 10%.
- **Topography:** Aspect is largely northeast, east and south with slopes from 0 to 45%. The fire is burning on flat terrain up on the Brockman Flat Lava Beds and on the flanks of Whaleback Mountain. Elevation range is 5110 - 6840'.

SPECIFIC FIRE BEHAVIOR:

Expect an increase in fire behavior, especially **after the inversion lifts**, or if **plume-dominated winds develop**, suddenly ventilating the fire. Being on an east aspect, fire behavior could pick up earlier. Lava bed can create thermal low in the heat of the day, drawing strong winds onto the lava. Longer duration crownfire runs in tall brush will occur with group and single-tree torching of widely spaced overstory trees. Headfire flame lengths in brush are expected to be 15 - 30' and rates of spread of 25 - 60 chains/hour. Twice those spread rates in grass! Expect torching tree flame length over 100' with spotting distances generally less than ¼ mile (further if plume dominated) and a probability of ignition 85 - 95%. Backing 2-3 ch/hr, flanking 4-6 ch/hr, with flame lengths less than 10'.

DIV A/M- Expect squirrely afternoon winds associated with the lake and lava field. Foot travel on lava is difficult, as is mop-up with pockets of heat hard to get at. Spot fires from burnout operations will ignite easily and spread quickly.

DIV T: Unstaffed.

DIV Z: Fire burning on an east aspect may be most active early in the day, especially if inversion is not present. Fire can move faster than spread rates shown above, if spotting becomes the primary spread mechanism. Contiguous, dense old brush fuels will burn well with frequent torching in the widely spaced pines. Needle-draped brush and large logs will trigger frequent single tree torching with flame lengths in excess of 100 ft. Heavy fuels are consuming completely. Plenty of potential for increased behavior from plume domination, given the high Haines Index. If fire gets to the west-facing slope of Antelope Mountain, expect increased fire behavior. Fire may run in cut blocks, slash and plantations on private timber ground.

AIR OPERATIONS

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

SAFETY

Continued chance of extreme fire behavior - fire running in brush, single and group-tree torching, with profuse short-range spotting

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group A		
3. Incident Name Whaleback Fire			4. Operational Period: DAY/NIGHT				
			Date/Time: 07/29/2018 06:00 SUN		Date/Time: 07/30/2018 08:00 MON		
5. Operations Personnel							
Operations Chief	Don Fregulia		Division/Group Supervisor		Jack Sevelson		
Planning Ops	Curt Lindstrand Dave Soldavini (f)		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
HCT1 Smith River IHC			20	N	ICP / 0600		ICP / 2000
ENG 78 NPS			5	N	ICP / 0600		ICP / 2000
ENG 832			5	N	ICP / 0600		ICP / 2000
WT E28			1	N	ICP / 0600		ICP / 2000
WT E20			1	N	ICP / 0600		ICP / 2000
WT E27			1	N	ICP / 0600		ICP / 2000
7. Control Operations							
Scout Opportunities for direct/indirect line construction. Hold and improve existing line.							
Special Instructions: Identify resources to be ready for initial attack as directed by Ops.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	Rx 171.4750 N Tx 164.9125 N	LNF Admin	1	Air to Ground	Rx 169.1000 N Tx 169.1000 N	A/G Command	13
Tactical Div/Group	Rx 166.5500 N Tx 166.5500 N	R5 Tac 4	5	Air to Ground	Rx 168.3375 N Tx 168.3375 N	A/G Tac	14
Prepared by (Resource Unit Leader)		Approved by (Planning Section Chief)		Date		Time	
Rita Mustatia		Walter Herzog <i>W.H.</i>		July 28, 2018		2100	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group M			
3. Incident Name Whaleback Fire		4. Operational Period:		DAY/NIGHT			
		Date/Time: 07/29/2018 06:00 SUN		Date/Time: 07/30/2018 08:00 MON			
5. Operations Personnel							
Operations Chief	Don Fregulia	Division/Group Supervisor	Richard Inghram				
Planning Ops	Curt Lindstrand 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	
HC1 TBA			20	N	ICP / 0600	ICP / 2000	
HC2IA TBA			20	N	ICP / 0600	ICP / 2000	
ENG3 TBA			5	N	ICP / 0600	ICP / 2000	
WT TBA			1	N	ICP / 0600	ICP / 2000	
DOZ TBA			1	N	ICP / 0600	ICP / 2000	
7. Control Operations							
Scout Opportunities for direct/indirect line construction. Hold and improve existing line. Provide structure defense for the community of Spaulding.							
Special Instructions: Identify resources to be ready for initial attack as directed by Ops.							
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	Rx 171.4750 N Tx 164.9125 N	LNF Admin	1	Air to Ground	Rx 169.1000 N Tx 169.1000 N	A/G Command	13
Tactical Div/Group	Rx 167.1125 N Tx 167.1125 N	R5 Tac 5	6	Air to Ground	Rx 168.3375 N Tx 168.3375 N	A/G Tac	14
Prepared by (Resource Unit Leader) Rita Mustatia		Approved by (Planning Section Chief) Walter Herzog <i>WH</i>		Date July 28, 2018		Time 2100	

DIVISION ASSIGNMENT LIST				1. Branch	2. Division/Group T			
3. Incident Name Whaleback Fire				4. Operational Period: DAY/NIGHT				
				Date/Time: 07/29/2018 06:00 SUN		Date/Time: 07/30/2018 08:00 MON		
5. Operations Personnel								
Operations Chief		Don Fregulia		Division/Group Supervisor				
Planning Ops		Curt Lindstrand 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		
UNSTAFFED								
7. Control Operations								
Special Instructions:								
Function	Frequency	Name	Channel	Function	Frequency	Name	Channel	
Command	Rx 171.4750 N Tx 164.9125 N	LNF Admin	1	Air to Ground	Rx 169.1000 N Tx 169.1000 N	A/G Command	13	
Tactical Div/Group				Air to Ground	Rx 168.3375 N Tx 168.3375 N	A/G Tac	14	
Prepared by (Resource Unit Leader) Rita Mustatia		Approved by (Planning Section Chief) Walter Herzog		Date July 28, 2018		Time 2100		

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group A/M (NIGHT)
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3. Incident Name Whaleback Fire	4. Operational Period: DAY/NIGHT	
	Date/Time: 07/29/2018 06:00 SUN	Date/Time: 07/30/2018 08:00 MON

5. Operations Personnel

Operations Chief	Mike Klimek	Division/Group Supervisor	Matt Prentiss
Planning Ops	Curt Lindstrand /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
HC1 Modoc IHC			20	N	ICP / 1800	ICP / 0800
ENG6 TBA				N	ICP / 1800	ICP / 0800

7. Control Operations: Be prepared for firing operations. Provide structure defense for the community of Spaulding. Hold and improve existing lines.

Special Instructions: Identify resources to be ready for initial attack at the direction of Operations.

Function	Frequency	Name	Channel	Function	Frequency	Name	Channel
Command	RX 171.4750 N TX 164.9125 N	LNF Admin	1	Air to Ground	RX 169.1000 N TX 169.1000 N	A/G CMD	13
Tactical Div/Group	See Comm Plan			Air to Ground	RX 168.3375 N TX 168.3375 N	A/G TAC	14

Prepared by (Resource Unit Leader) Rita Mustafia	Approved by (Planning Section Chief) Walter Herzog <i>W.H.</i>	Date July 28, 2018	Time 2122
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DIVISION ASSIGNMENT LIST			1. Branch			2. Division/Group T / Z (NIGHT)																										
3. Incident Name Whaleback Fire			4. Operational Period: DAY/NIGHT																													
			Date/Time: 07/29/2018 1800 SUN			Date/Time: 07/30/2018 0800 MON																										
5. Operations Personnel																																
Operations Chief		Mike Klimek			Division/Group Supervisor		Jacob Botts																									
Planning Ops		Curt Lindstrand 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																								
American River IHC					N	ICP / 1800		ICP / 0800																								
7. Control Operations Provide for structure defense for campgrounds at the south end of the lake.																																
Special Instructions: Identify resources to be ready for initial attack at the direction of operations.																																
<table border="1"> <thead> <tr> <th>Function</th> <th>Frequency</th> <th>Name</th> <th>Channel</th> <th>Function</th> <th>Frequency</th> <th>Name</th> <th>Channel</th> </tr> </thead> <tbody> <tr> <td>Command</td> <td>Rx 171.4750 N Tx 164.9125 N</td> <td>LNF Admin</td> <td>1</td> <td>Air to Ground (Command)</td> <td>Rx 169.1000 N Tx 169.1000 N</td> <td>A/G Command</td> <td>13</td> </tr> <tr> <td>Tactical Div/Group</td> <td>Rx 167.2375 N Tx 167.2375 N</td> <td>R5 Tac 6</td> <td>7</td> <td>Air to Ground (Tactical)</td> <td>Rx 168.3375 N Tx 168.3375 N</td> <td>A/G Tactical</td> <td>14</td> </tr> </tbody> </table>									Function	Frequency	Name	Channel	Function	Frequency	Name	Channel	Command	Rx 171.4750 N Tx 164.9125 N	LNF Admin	1	Air to Ground (Command)	Rx 169.1000 N Tx 169.1000 N	A/G Command	13	Tactical Div/Group	Rx 167.2375 N Tx 167.2375 N	R5 Tac 6	7	Air to Ground (Tactical)	Rx 168.3375 N Tx 168.3375 N	A/G Tactical	14
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Tactical Div/Group	Rx 167.2375 N Tx 167.2375 N	R5 Tac 6	7	Air to Ground (Tactical)	Rx 168.3375 N Tx 168.3375 N	A/G Tactical	14																									
Prepared by (Resource Unit Leader) Gary Deboi		Approved by (Planning Section Chief) Walter Herzog <i>W.H.</i>			Date July 28, 2018		Time 1900																									

INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

WHALEBACK CA-LNF-003951

Date/Time Prepared

07/29/18 1800hrs

Operational Period Date/Time

24 HOUR

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

Hand programmers accept all responsibility for the use of unauthorized frequencies.

Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	LNF ADMIN	ALL DIVISIONS	171.4750 N		164.9125 N	T-4	A	
2	TBD	TBD							
3	FOREST NET	LNF FIRE	INITIAL ATTACK	173.1875 N		164.8000 N	T-4	A	FOR INITIAL ATTACK ONLY
4	NIFC TAC 2	NIFC T2	INITIAL ATTACK	168.2000 N		168.2000 N		A	TACTICAL FOR INITIAL ATTACK
5	R5 TAC 4	R5 TAC 4	DIVISION A	166.5500 N		166.5500 N		A	
6	R5 TAC 5	R5 TAC 5	DIVISION M	167.1125 N		167.1125 N		A	
7	R5 TAC 6	R5 TAC 6	DIVISION Z	167.2375 N		167.2375 N		A	
8	VFIRE 21	VFIRE 21	STRUCTURE GROUP	154.2800 N	6	154.2800 N	6	A	USE TONE 6 (156.7)
9								A	
10								A	
11								A	
12	CALCORD	CALCORD	ALL DIVISIONS	156.0750 N	6	156.0750	6	A	MEDICAL EMERGENCY TACTICAL
13	A/G COMMAND	A/G CMD	ALL DIVISIONS	169.1000 N		169.1000 N		A	FOR OPERATIONS AND DIVISIONS
14	A/G TACTICAL	A/G TAC	ALL DIVISIONS	168.3375 N		168.3375 N		A	FOR LINE PERSONEL
15	R5 A/G 43	R5 A/G 43	INITIAL ATTACK	167.6000 N		167.6000 N		A	INITIAL ATTACK AIR TO GROUND
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N	1	168.6250 N	1	A	EMERGENCY ONLY

Prepared by



Rick Stone, COM1

Incident Location

WHALEBACK ICP, LASSEN NATIONAL FOREST

S 205 - 2007H

MODE A - ANALOG, D - DIGITAL

AIR OPERATIONS SUMMARY

Prepared By: Bruce Wicks

Prepared Date: 28 July 2018

Prepared Time: 1745

1. INCIDENT NAME: Whaleback	2. OPS PERIOD DATE: 29 July-2018	START TIME: 0600	END TIME: 2000	SUNRISE: 0558	SUNSET: 2020
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 TRANSDPONDER ON (1255) Watch out for high tension wires			4. READY ALERT AIRCRAFT MEDEVAC - See Medical Plan		5. TFR #: 7/xxxx Altitude- 12,000msl 6mi R

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Bruce Wicks	530-906-2224	AIR/ AIR FW	125.0250		AIRTANKERS- TBA
			AIR Tactics FW		169.4875	LEAD PLANES- TBA
ASGS	Steve Beall	530-598-6755	AIR/GD Command		169.1000	ATGS AIRCRAFT-
			AIR/GD Tactical		168.3375	
ATGS ATGS†	Brian Rodgers Brian Baker	530-521-1843				AA-06 - ATGS - Brian Rodgers ATGS † - Brian Baker
ATGS	Rico Gonzalez (avil. 7/30?)	530-605-6376				
			CMD Primary		171.475 rx 164.9125 tx Tone 4 136.5	
HEB2 - SVL			DECK		163.100	
HEB2 - O-05						
Air Ops Trailer ICP			Air Guard		168.6250 (110.9)tx/rx	OTHER FW AIRCRAFT-

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
161KA	1	K-Max	SVL	0830	0800	EXC A-8							
212BT	2	H-510/212HP	O-05	0830	0800	EXC A-5							
16HX	2	H-538/205++	SVL	0830	0800	EXC A-47							
29PF	2	H-512/	O-05	0830	0800	EXC A-38							
6HE	3	H-553/B-407	SVL	0830	0800	EXC A-14							

Note:

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
Bucket Support	Bucket support as requested by Operations	As requested		Fire
PAX/Cargo	Helicopter best suited to request	As requested		Fire
MEDIVAC	Request thru ICP Communications & MEDL on Command Repeater. Give location, lat/long if known./refer to Medical Plan / IAP	As requested	As directed	As directed
Recon / Mapping	Request thru Operations as needed	As requested		Fire
Initial Attack Assistance	Support I.A.as requested by Operations/Forests	As requested		As directed

MEDICAL PLAN (ICS 206 WF)

1. Don Fregulla Incident/Project Name		2. Operational Period Day/Night						
WHALEBACK FIRE		Date/Time 7/29/18 0600 - 7/30/18 0800						
3. Ambulance Services								
Name	Location	Phone & EMS Frequency		Advanced Life Support (ALS) Yes No				
Medic 7253 – Inc. Ambulance	ICP or Fireline	Contact on Command		X				
SEMSA	Susanville, CA 50 min. ETA	911		X				
4. Air Ambulance Services								
Name	Phone	Type of Aircraft & Capability						
PHI Med 45 15 min eta	911 or 530-257-5575 (SIFC)	Air Ambulance – Susanville, CA Day/Night						
Semsa Air 1 15 min eta	911 or 530-257-5575 (SIFC)	Air Ambulance – Susanville, CA Day/Night						
Calfire H-202 20 min eta	911 or 530-257-5575 (SIFC)	Hoist Rescue– Bleber, CA Day only						
CHP 50 min eta	911 or 530-257-5575 (SIFC)	Hoist Rescue – Redding, CA Day only						
5. Hospitals								
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Gnd		Phone	Helipad Yes No	Address	
Banner-Lassen Medical Center	Lat:	N40°24.45		15 min	1 hr	530-252-2096 (ER)	X	1800 Spring Ridge Dr. Susanville, CA
	Long:	W120°39.73						
	VHF:							
Mercy Medical Center – Level II Trauma	Lat:	N40°34.33		40 min	2:30 hrs	530-225-7201 (ER)	X	2175 Roseline Ave. Redding, CA
	Long:	W122°32.80						
	VHF:							
Shasta Regional Medical Center	Lat:	N40°35.08		40 min	2:30 hrs	530-225-7201	X	1100 Butte, Redding, CA
	Long:	W122°23.25						
	VHF:							
UC Davis Level I Trauma/Burn Center	Lat:	N38°33.17		1 hrs	5 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								
Whaleback Medical Unit– ICP		Point of Contact:			MEDL – Josh Ramey (Cell: 530-277-1213)			
		EMS Responders & Capability:			Basic Life Support			
		Equipment Available on Site:			Medical supplies			
		Ambulance ETA :			Air – 15 min. Ground – 50 min.			
8. Prepared By (Medical Unit Leader)			9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time	
Josh Ramey – MEDL 530-277-1213 <i>Joshua Ramey</i>			7/28/15 1800		Michele Tanzi <i>Michele Tanzi SO2</i>		7/28/15 1800	

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report	
1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT" <i>Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)</i>	
2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure. <i>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."</i>	
SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. <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 Serious Injury or Illness. <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 Routine of Convenience .
Nature of Injury or Illness & Mechanism of Injury	Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)
Transport Request	Air Ambulance / Short-Haul/Hoist/ Ground Ambulance / Other
Patient Location	Descriptive Location & Lat. / Long. (WGS84)
Incident Name	Geographic Name + "Medical" (Ex: Trout Meadow Medical)
On-Scene Incident Commander	Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)
Patient Care	Name of Care Provider (Ex: EMT Smith)
3. INITIAL PATIENT ASSESSMENT: <i>Complete this section for each patient. Start with most severe.</i>	
Patient Assessment: (See IRPG page 106)	Treatment:
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: <i>Updates / Changes, etc.</i>	
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.	

Whaleback INCIDENT RISK ANALYSIS (215a)
Day Shift, July 29 0600 to 2000 and Night Shift, July 29-30 1800-0800

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	Medical Emergencies	<ul style="list-style-type: none"> ~ Review, understand and discuss with your resources the Medical Plan in the IAP. ~ Refer to the Medical Incident Report on pages 118 – 119 in 2018 IRPG for info into Communications ~ 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. ~ Base all operational decisions and activities on these 3 questions: <ol style="list-style-type: none"> 1.) What are we going to do if someone gets hurt? 2.) How will we get them out of here? 3.) How long will it take to get them to a hospital? ~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics. ~ Have Alternate plan in place when aircraft is grounded due to visibility issues. ~ 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 ~ Review page 2 in IRPG 2018 for briefing subordinates. ~ 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"> * <u>Minimum</u> of a 20' x 20' clearing * 3 GREEN "ChemLights" placed on edges of clearing forming a triangle to assist pilot in visual horizon. * Turn ALL headlamps and vehicle lights OFF * Communicate with Air Ambulance on CALCORD tone 6 ~ Be aware of Rotor Wash & its effect on Fire behavior when the extraction point is next to an active fire edge. <ul style="list-style-type: none"> • If possible, MOVE patient to an area with less fire activity
ALL	Hydration & Heat Illness	<ul style="list-style-type: none"> • Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a <u>minimum</u> of 250ml/hour; (¼ of canteen) • Drink water & Electrolyte drinks before, during, and after shifts. (2 waters to 1 sports drink). • Do NOT mix with water or dilute electrolyte drink. It must be consumed as is for the body to absorb properly. • Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, & medical attention. • Pace work to avoid heat injuries • Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness & Headaches, clammy skin, persistent muscle cramps, decreased urine output. <ul style="list-style-type: none"> ○ Cool patient as quickly as possible! ○ Move patient to a cooler location and provide cold water and sports drink. ○ Actively reduce core temperature through evaporation by fanning patient. ○ Remove Patient from fire line and seek medical attention ○ Cover head and neck with wet cloth, increase air movement. ○ Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness, Headaches, clammy skin, persistent muscle cramps, and decreased urine output. • Mental confusion may develop This is a serious trigger point for the potential onset of Heat Stroke or Hyponatremia (water intoxication). • Refer to Medical Plan in IAP for additional EMS care and Evacuation
ALL	Extreme Fire Behavior	<ul style="list-style-type: none"> ~ Provide weather forecasts/observations for all personnel assigned during Operational briefings ~ Update field personnel via the Command Channel when significant weather changes are observed that could impact area ~ Review "Alignments & patterns for Dangerous Fire Behavior" pg 73 in IRPG, 2018 ~ Be aware that Brockman Flat Lava Field and Eagle Lake has local effects on Fire Behavior. ~ Develop Management Action Points/Trigger Points for disengagement of resources and make them known to all. Re-assess as needed. ~ Use "Risk Management Process" prior to engaging in suppression actions, referring to pg 1, IRPG, 2108 ~ Ensure LCES is in place before engagement of resources ~ Adhere to the 10 Standard Firefighting Orders & mitigate the 18 Watch Out Situations ~ Post experienced lookouts. Monitor current weather conditions and forecasts ~ Maintain adequate Escape Routes to Safety Zones. Advise all personnel if these are compromised or change ~ Have vehicles facing the direction of the Escape Route and ensure they are NOT blocking the route
ALL	Driving & Traffic	<ul style="list-style-type: none"> ~ Practice "Defensive Driving" techniques traveling on all roads in both rural and urban settings ~ Slowdown in limited visibility (smoky/dusty) & congested areas. Increase following distances to allow dust to settle, & to allow for reaction time lag. Use low beam headlights ~ Honk horn to alert personnel when backing. Use spotters when available ~ 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. ~ Expect two way traffic on one lane roads. Stay on your side, and approach corners with caution ~ Headlights ON. Manually turn on Headlights. Most vehicles have "auto" headlights ~ NO riding in the back of pick-ups. It is against the Law.

Whaleback INCIDENT RISK ANALYSIS (215a)
Day Shift, July 29 0600 to 2000 and Night Shift, July 29-30 1800-0800

ALL	Aircraft Operations till 2000	<ul style="list-style-type: none"> • Review and discuss Aviation Watch Out Situations listed in IRPG pg 46 • Ensure resources are clear of "Target Area" during bucket or retardant use. • Use air-to-ground frequency to communicate with aircraft. • Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective and mirror flashes. • Evaluate risk vs gain for each mission/target • Ensure use of qualified personnel when involved with longline operations. • Keep non-essential personnel away from dip sites (natural and/or man made) • Ensure personnel receive a passenger briefing prior to flight. • Use aerial Supervision and maintain separation. 	
Z	Firing Operations	<ul style="list-style-type: none"> • Identify the Firing Boss & Holding Boss and make it known to all. • Brief all resources including adjoining Divisions on the approved plan. • Ensure Communications are in place with both ground and air resources. • Assure experienced lookouts are in place before implementing plan. • Use qualified personnel for all assignments & Trainees have qualified trainers. • Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. • Ensure the 10 & 18's are followed prior to implementing burning operations (IRPG back cover). • Keep your ESCAPE Routes cleared of vehicles and equipment 	
ALL	Biting, Stinging Insects, & Critters (Rattle Snakes, Bees, Mosquitoes, Scorpions, Ticks, Wildlife, etc)	<ul style="list-style-type: none"> • If allergic to bee stings, let your DIVS & Medic/EMT's know. • Leave the snakes alone! • Shake out boots and or sleeping bags prior to use • Use bug spray to minimize mosquito bites. • Check yourself daily for tick bites. • Leave wildlife alone. Backhaul ALL Trash please. 	
INCIDENT NAME Whaleback ICS 215a		DATE PREPARED: <p align="center">July 28, 2018</p> <hr/> TIME PREPARED: 1900 HOURS	OPERATIONAL PERIOD Day Shift 0600 - 2000 Night Shift 1800 - 0800 Prepared by: Tanzi – SOF1, Barnhart – SOF2,



Today's discussion is from the LCES (Lookouts, Communication, Escape Routes, Safety Zones) Category.

[Six Minutes Home Page](#)

Escape Routes and Safety Zones

- An Escape Route is "a preplanned and understood route firefighters take to move to a Safety Zone or other low-risk area"
- Identification of Escape Routes and Safety Zones is one of the primary responsibilities of any wildland firefighter working on or near the fireline. The following guidelines can be used when selecting Safety Zones:
- Calculations indicate that for most fires, Safety Zones must be wider than 164 feet to ensure firefighter survival
- The calculation to determine Safety Zone radius is four times the maximum flame height plus 50 square feet per firefighter, or an additional four feet of radius per firefighter. This calculation provides the radius of the Safety Zone, meaning the Safety Zone diameter should be twice the value of the above formula
- If potential for the fire to burn completely around the Safety Zone exists, the diameter should be twice the values indicated above.
- Factors that will reduce Safety Zone size include reduction in flame height by thinning or burnout operations, shielding the Safety Zone from direct exposure to the flame by locating it on the lee sides of ridges or other geographic structures, or reducing flame temperatures by applying fire retardant to the area around the Safety Zone.
- All firefighter PPE must be worn
- These guidelines do not address convective energy.

