

Incident Action Plan

Beaver Fire

CA-KNF-005497

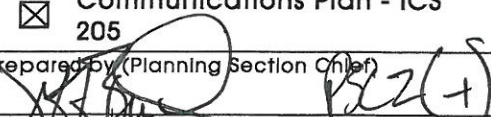
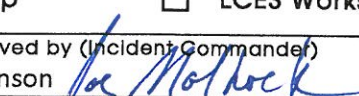
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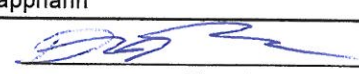
Night Shift

08/10/14 – 08/11/14

1800 - 0600

INCIDENT OBJECTIVES	1. Incident Name Beaver	2. Date 8/10/2014	3. Time 12:19
4. Operational Period 08/10/2014 - 08/11/2014 1800 - 0600			
5. General Control Objectives for the Incident (Include alternatives) MANAGEMENT OBJECTIVES <ul style="list-style-type: none"> • Ensure firefighter and public safety in all incident activities. Adhere to all safety standards and implement appropriate risk analysis. • Protect values at risk to include watershed, Late Successional Reserve, cultural resources, private timber lands and recreation sites. • Coordinate with Forest to maintain timely and accurate communications with communities, county officials and stakeholders. • Effectively manage incident costs by planning strategies and tactics toward a high probability of success. OPERATIONAL OBJECTIVES <ul style="list-style-type: none"> • Keep the fire: <ul style="list-style-type: none"> ○ North of Highway 96 ○ East of Buckhorn Ridge ○ West of Empire Creek Drainage ○ South of Beaver / Dead Cow Creek Canyon 			
6. Weather Forecast for Period See attached forecast			
7. General Safety Message See attached safety message			
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"/> Safety Message <input checked="" type="checkbox"/> Communications Plan - ICS 205 <input checked="" type="checkbox"/> Base Camp Map <input type="checkbox"/> LCES Worksheet			
9. Prepared by (Planning Section Chief) 		10. Approved by (Incident Commander) Matt Johnson 	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Beaver		2. Operational Period: Date: 8/10/2014 to 8/11/2014 Time: 1800 To 0600	
3. Incident Commander(s) and Command Staff:		7. Operations Section:	
Incident Commander	Matt Johnson	Day Ops Chief	Daren Dalrymple / Eric Petterson (t)
Deputy IC	Joe Molhoek	Night Ops Chief	Dan George
Liason Officer	Tim Fike	Planning Ops	Dale Shippelhouse
Information Officer	Adrienne Freeman / Corey Wilford (t)		
Safety Officer	Steve Davis / Terry O'Connell / Shelby Charley / James Courtright(t)	Branch	
4. Agency/Organization Representatives:		Division/Group	A / C Escobedo / Willy (t)
Agency Administrator	Patty Grantham	Division/Group	K / L Patino
Agency Admin Rep.	Lance Noxon	Division/Group	Q Varnedoe / Halleran (t)
Fruitgrowers Timber	Terry Salvestro	Division/Group	T Jewers / Delay (t)
Michigan Cal	Chris Chase	Division/Group	U Davis / Munn (t)
County OES	Ron Quigley	Division/Group	V / W Webb
Siskiyou Co. Sheriff	Corporal Weed	Division/Group	G,P Unstaffed
Cal Fire	Steve Curley	Division/Group	
CalTrans	Ryan Gomes	Division/Group	
IARR Region 3	Lauren Miles / Mitch Bouchonville	Branch	
IARR AK	Lisa Burns / Cheryl Vanderhorn	Division/Group	
CAL OES	Art Torres	Division/Group	
5. Planning Section:		Division/Group	
Chief	Patrick Farrell	Division/Group	
Deputy	Jeff Buscher (t)	Division/Group	
Resources Unit	Roberta Lim (t) / Duane Miller (t)		
Situation Unit	Matt Brown / Keith Flood (t) / John Owen (t)	Division/Group	
Demobilization Unit	Dean Lutz / Michael Young (t)	Division/Group	
Training Specialist	Brad Smith / Brian Lamphiear (t)	Branch	
Computer Tech Spec	Shane Neal / Justin Lemay (t)	Division/Group	
GISS	Melanie Kerr, Kevin Roehrs, David Benitez, Mark Grupe	Division/Group	
Fire Behavior Analyst	Ken Larson, Brian Ebert (t)	Division/Group	
IMET	Andy Haner / Tim Sedlock (t)	Division/Group	
6. Logistics Section:		Air Operations Branch	
Chief	Jack Costello	Air Ops Branch Dir.	Dennis Kuster
Deputy	Aaron Lowe	Air Support Group Supervisor	Staci Dickson / Jim Gould (t)
Supply Unit	Tracey Valentine	Air Tactical Group Supervisor	Jason Withrow
Facilities Unit	Quarry Base Camp - Ric Crowther ICP - Bill Patton	8. Finance/Administration Section:	
Ground Support Unit	John Fell	Chief	Beth Lopez
Communications Unit	Don Stoner	Deputy	Richard Anderson
Medical Unit	Patrick Young	Time Unit	Penny Portlock / Juanita Cortez
Food Unit	Kevin Browning	Procurement Unit	
		Comp/Claims Unit	Tina Kennedy
		Cost Unit	Sam Rapphahn
9. Prepared by: Name: Roberta Lim		Position/Title: RESL (t)	
ICS 203	IAP Page	Date/Time: 08/09/14 1230	 Signature



INCIDENT Weather Forecast



FORECAST NO: 14

NAME OF FIRE: Beaver Fire

PREDICTION FOR: Sunday NIGHT Shift

UNIT: Klamath National Forest

SHIFT DATE: August 10, 2014

SIGNED: Andy Haner/Tim Sedlock (T)

TIME AND DATE

Incident Meteorologists

FORECAST ISSUED: 08/10/2014 at 1100 PDT

*****Red Flag Warning for Thunderstorms in effect through late Tuesday evening*****

WEATHER DISCUSSION: A weak low near the Bay Area will draw upper level monsoonal moisture into northwest California early this week, posing the possibility of a significant lightning event tonight and early this week. Mainly dry storms are expected through tonight with a slightly better chance for wetting storms on Monday. Steering flow for storms tonight will be from the southeast.

WEATHER FORECAST:

Tonight: **Thunderstorms imply strong gusty and erratic winds**

Weather: Mostly cloudy with scattered mainly dry thunderstorms.

Low Temperature... 59-65

Max RH..... 45-55%

20-FOOT WINDS:

Canyons..... North-northwest 8-12 mph with gusts to 20 mph this evening...gradually becoming downslope/downcanyon 2-6 mph.

Ridgetop..... North-northwest 8-12 mph early this evening, shifting to the east-northeast and easing to 2-4 mph overnight.

CWR (>=0.10")....5%

LAL....6 (Scattered Dry Lightning)

Haines Index....5 (Moderate)

Outlook for Monday: Red Flag Warning MONDAY. Thunderstorms imply gusty/erratic winds.

Weather: Mostly cloudy with scattered showers and thunderstorms (mix dry/wet).

High Temperature... 90-96 canyon bottom, 77-83 mid-upper slopes (3-6 degrees cooler than Sunday)

Min RH..... 17-22% canyon bottoms, 26-33% high elevations (2-4 percent wetter than Sunday)

20-FOOT WINDS:

Canyons..... Light in the morning, becoming upslope/upcanyon 6-9 mph early in the afternoon.

Ridgetop..... East to South wind 3-6 mph through early afternoon, becoming west-northwest 6-8 mph by late afternoon with gusts near 16 mph.

CWR (>=0.10")....5%

LAL....6 (Scattered Dry Lightning)

Haines Index....4 (Low)

EXTENDED OUTLOOK for Tuesday through Thursday: Red Flag Warning through Tuesday evening.

The weak low pressure near the Bay Area will again provide scattered lightning storm chances again for Tuesday with the thunderstorm risk diminishing on Wednesday. Dry conditions returning Thursday.

.Tuesday and Wednesday...Partly cloudy with scattered thunderstorms Tuesday...then isolated coverage on Wednesday. Lows 58-64. Highs 89-95 canyon bottom, 78-83 mid-upper slopes. Min RH 15-25% canyon bottoms, 25-35% ridges. East to South wind 2-4 mph, then southwest 8-12 mph late Tuesday afternoon and northwest 8-12 mph for Wednesday afternoon.

.Thursday...Mostly sunny and dry. Lows 55-60. Highs 88-93 canyon bottom, 77-82 mid-upper slopes. Min RH 15-20% canyon bottoms, 22-28% ridges. Light morning winds becoming north-northwest winds 8-12 mph in the afternoon.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 18	TYPE OF FIRE: Wildland Fire
FIRE NAME: Beaver	OPERATIONAL PERIOD: Aug. 10, 1800 – Aug. 11, 2014, 0600
DATE ISSUED: August 10, 2014	TIME ISSUED: 1100
UNIT: Klamath NF	SIGNED: /s/ Brian Ebert, FBAN(t)

INPUTS

WEATHER SUMMARY: ***See Attached Fire Weather Forecast***

Discussion: ***RED FLAG WARNING – ABUNDANT LIGHTNING W/DRY FUELS GUSTY OUTFLOW WINDS***
A weak low near the Bay Area will draw upper level monsoonal moisture into northwest CA into early next week, posing the possibility of a significant lightning event tonight and into early next week. Mainly dry storms tonight expected tonight.

Min Temp: 59-65° **Max RH:** 45-55% **LAL:** 6 (Scattered Dry Lightning)
20' Winds (Canyons): Beaver Creek N-NW 8-12 mph gusts to 20 mph becoming downslope/downcanyon 2-6 mph.
(Ridgetop): N-NW 8-12 mph this evening; shifting E-NE and easing to 2-4 mph overnight.

FIRE BEHAVIOR

GENERAL

Critical dry fuel conditions continue due to persistent hot and dry weather. Energy Release Component for both Oak Knoll and Collins Baldy RAWs have climbed back above 90th percentile weather conditions and are approaching the 97th percentile. August 9 Oak Knoll ERC: 73

Local Fuel Moisture Measurements: 1000 hour fuel moisture < 7% (Down 1% from 7/15)
Live Fuel Moisture < 78% (Down 20% from 7/15).

Fire behavior becomes active as the inversion breaks by 1500 and fire activity is well established entering the operational period. The burn period lasts into the early morning hours of the shift until approximately 0300 hours. Continued fire spread has been observed even with humidity near 70%. Expected early evening spread rates 5 to 9 ch/hr in timber fuels and 20 to 40 ch/hr in brush. Any crown fire activity will increase spotting resulting in an increase in rate of spread and flame lengths/heights. Flame lengths 8 to 15 feet. Rates of spread becomes < 2 ch/hr with < 2 foot flame lengths overnight into the morning hours.

Early in the shift, expect spotting distances up to 1/3 mile with Probability of Ignition near 60%. As humidity increases through the night spot distance should reduce to less than 1/10 mile with < 20% Probability of Ignition.

Any Thunderstorms have the potential to significantly increase fire behavior with rapid rates of spread, crown fire activity and spotting. Rates of spread can exceed 1 mile/hr with 50 mph outflow winds.

SPECIFIC FIRE BEHAVIOR

Division A/C/K/L: Fire in Doggett Creek continues to spread upslope toward Buckhorn/Christmas Tree Ridge and down drainage toward indirect lines. NE Ridgetop winds may increase spread rates toward indirect lines.

Divisions Q/T/U: Fishtrap Creek will continue to spread and test indirect lines tonight. Any area with terrain and slope alignment will increase spread, promote torching activity and increase spot fire potential across lines. NE Ridgetop winds will be favorable this evening if any burning needs to be completed to secure lines.

Division W/V: Increased depth from burnout operations continue to strengthen control lines. Any burned out areas will continue to burn down and smolder overnight. Observe wind direction and gusts, as potential for spot fires in the green will remain an issue; especially if gusty winds from thunderstorms occur.

AIR OPERATIONS

Thunderstorms may impact air operations after 1600. Gusty erratic winds are a concern. Visibility should be good for the remainder of the evening for any air support operations. The North and East Flank should have the best visibility for aircraft use. 08/10 Sunset: 20:17 08/11 Sunrise: 06:15

SAFETY

Nocturnal Thunderstorms are a possibility tonight; post lookouts where feasible in areas above the smoke inversion to watch for any activity approaching the fire area and ensure good communications with resources.

Thunderstorms can produce strong winds; ensure safety zones and escape routes are identified with anticipated fire behavior potential. Watch out for any new fire starts adjacent to the fire area as these can quickly impact control lines.

Watch out for fire weakened trees and snags that may fall with increased winds around thunderstorm activities. With intense burning conditions in ground fuels, root systems can be compromised.

Fuels and Fire Behavior Advisory

Northern California

August 6, 2014



Subject: Long term drought conditions along with hot and dry weather have led to critically low live and dead fuel moistures. Weather and fuels conditions are contributing to very active to extreme fire behavior in Northern California.

Discussion: The extremely dry and warm conditions of April through July combined with the extreme to exceptional drought conditions have led to critically low live and dead fuel moistures. Numerous large fires experienced extreme fire behavior and rapid growth during the first 4 days of August. Areas receiving precipitation on August 4th and 5th are expected to rebound quickly to extreme conditions.

Difference from normal conditions: Live and dead fuel moistures are approximately 6 weeks ahead of normal and typical of early to mid-September. Extreme to exceptional drought, the highest levels on the Drought Monitor system now cover nearly the entire North state. Live fuel moistures never reached typical seasonal maximums and are approaching or have already reached critical levels. All timelag classes of dead fuels are at moisture levels that allow for easy ignition and rapid spread.

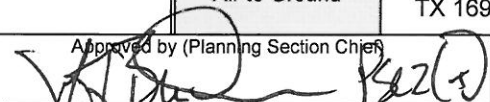
Concerns to Firefighters:

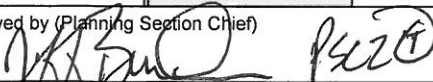
- **Expect fires to ignite easier and spread faster due to low live and dead fuel moistures.** Recent fires have shown almost complete consumption of large dead fuels. **Expect higher probability of ignition and increased spotting** due to increased amount of receptive and available surface and aerial fuels.
- **Current Energy Release Component (ERC) values are reaching maximum seasonal values or setting record highs** for almost all Predictive Service Areas (PSA). ERC is a good indicator of seasonal drying trends. **Anticipate increased spread rates and active night time burning.**
- Anticipate higher resistance to control in all fuel types. **When critical fire weather conditions exist expect very active to extreme fire behavior.**

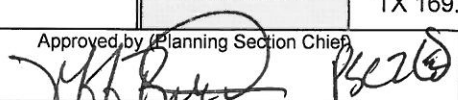
Mitigation Measures:

- Firefighters should acknowledge and prepare for fire growth and fire behavior that may exceed anything they have experienced before due to the extreme drought. **Normal strategies and tactics may need to be adjusted to account for the drought factor. Suppression actions need to be based on good anchor points, lookouts, communications, escape routes, and safety zones.**
- Local and incoming fire personnel need to be aware that fire behavior is exceeding normal expectations for this time of the year. **Local briefings need to highlight specific fire environment conditions including local weather forecasts, Pocket Cards, ERC's, live and dead fuel moistures, and special fuel conditions such as mortality, Sudden Oak Death and frost killed brush, etc.**
- Base all actions on current and expected behavior of the fire. **Augment initial attack resources as incident activity dictates.**
- Review the most current Northern California 7-day Significant Fire Potential along with Daily, Monthly and Seasonal Outlooks at: Predictive Services Outlooks & Fire Potential

Area of Concern: The area of concern is all of Northern California. A map showing the areas of concern described in this advisory can be found at: National Fuels & Fire Behavior Advisories

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group		
3. Incident Name Beaver			4. Operational Period Date: 8/10/14 – 8/11/14		NIGHT OPERATIONS Time: 1800 - 0600		
5. Operations Personnel							
Operations Chief		Dan George		Division/Group Supervisor		Daniel Escobedo / Ed Willy (t)	
Branch Director				Air Operations		Dennis Kuster	
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 Valyermo IHC (C-32)	Jeff Locke	8/13	19	N	DP 88 / 1900	0600	
HC2 PNF OC19 (C-25)	Zac Stockdale	8/17	20	N	DP 88 / 1900	0600	
HC2 Delta 2 (C-44)	Zachary Jacobson	8/23	20	N	DP 88 / 1900	0600	
ST 2140C (E-244) 24hr	Peter Davis / Dan Mahoney (t)	8/14	21	N	DP 88 / 1900	0600	
ENG3 NDF Brush 24 (E-112)	John Pitts	8/17	4	N	DP 88 / 1900	0600	
ENG3 American Wildfire (E-7)	Jeff Stanovich	8/17	3	N	DP 88 / 1900	0600	
DOZ2 KNF (E-179) 24hr	Lance Tupman	8/14	3	N	DP 88 / 1900	0600	
DOZ1 w/ LOWB McCullough Construction (E-132) 24hr	Brandon Hux	8/18	2	N	DP 88 / 1900	0600	
DOZ1 w/ LOWB Industrial Defense (E-131) 24hr	Scott Harvey	8/19	2	N	DP 88 / 1900	0600	
DOZ2 w/ LOWB North State (E-133) 24hr	Kevin Son	8/19	2	N	DP 88 / 1900	0600	
DOZ2 w/LOWB SJH Timber (E-197) 24hr	Don Schnetzer	8/21	2	N	DP 88 / 1900	0600	
DOZ2 w/LOWB SJH Timber (E-198) 24 hr	Cody Bickle	8/21	2	N	DP 88 / 1900	0600	
WT2 Darrah Logging (E-52) 24hr	Gary Quinones	8/16	1	N	DP 88 / 1900	0600	
HEQB (O-64)	William Dunk (t)	8/12	1	N	DP 88 / 1900	0600	
HEQB (O-12)	Joe Sayers	8/18	1	N	DP 88 / 1900	0600	
7. Control Operations							
<ul style="list-style-type: none"> Construct direct and indirect line. Hold and mop up. Look for opportunities to go direct. 							
8. Special Instructions							
9. Division/Group Communication Summary							
CMD	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Alt CMD	RX 168.1750 TX 171.5250	BLACK T1	CH14 Tone 1 (110.9)
Tactical 3 Division/Group	RX 168.6000 TX 168.6000	NIFC TAC 3	5 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
				Air to Ground	RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader) Roberta Lim (t)			Approved by (Planning Section Chief) 			8/10/2014	10:42

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group T		
3. Incident Name Beaver			4. Operational Period NIGHT OPERATIONS Date: 8/10/14 – 8/11/14 Time: 1800 - 0600				
5. Operations Personnel							
Operations Chief		Dan George		Division/Group Supervisor		Greg Jewers / Mike Delay (t)	
Branch Director				Air Operations		Dennis Kuster	
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 Diamond Mt. IHC (C-33)	Dan Varney	8/13	20	N	DP 16 / 1900	0600	
HC2 Inyo Crew 4 (C-41)	Mark Fogg / Craig Bunce (t)	8/13	20	N	DP 16 / 1900	0600	
ST 9145C (E-243)	Paul Fleckeinstine	8/12	18	N	DP 16 / 1900	0600	
ENG3 KNF 25 (E-212)	Jesus Valenzuela	8/13	9	N	DP 16 / 1900	0600	
ENG3 SRF 33 (274)	Bryan Lanning	8/14	5	N	DP 16 / 1900	0600	
WT2 Darrah (E-28) 24hr	Rick Resh	8/16	1	N	DP 16 / 1900	0600	
FEMP (O-227)	Tony Garcia	8/18	1	N	DP 16 / 1900	0600	
FEMT (O-228)	Mark Ali	8/14	1	N	DP 16 / 1900	0600	
7. Control Operations							
<ul style="list-style-type: none"> Continue direct and indirect fireline. Hold and mop up. 							
8. Special Instructions							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
CMD	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Alt CMD	RX 168.1750 TX 171.5250	BLACK T1	CH14 Tone 1 (110.9)
Tactical 4 Division/Group	RX 166.5500 TX 166.5500	R5 TAC 4	9 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
				Air to Ground	RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader) Roberta Lim (t)			Approved by (Planning Section Chief) 			Date 8/10/2014	Time 11:41

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group U		
3. Incident Name Beaver			4. Operational Period Date: 8/10/14 – 8/11/14		NIGHT OPERATIONS Time: 1800 - 0600		
5. Operations Personnel							
Operations Chief		Dan George		Division/Group Supervisor		Frank Davis / Heather Munn (t)	
Branch Director				Air Operations		Dennis Kuster	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader		Last Shift	Number Persons	Trans. Needed	Pick Up PT./Time
HC1 American River IHC (C-16)		Adam Leyba		8/18	20	N	0600
HC2IA Hoopa 1 (C-19)		Rocky Colegrove / Nels Nelson (t)		8/19	20	N	0600
ENG6 Mt. Adams Wildfire (E-149)		Paula Holter		8/19	3	N	0600
ENG3 PNF 16 (E-182)		Dustin Langston		8/20	5	N	0600
ENG6 Fairview 8 (E-205)		Grover Allrer		8/21	3	N	0600
DOZ2 w/LOWB Wycoff (E-84) 24hr		Larry Owen		8/18	2	N	0600
DOZ1 w/LOWB Ben's (E-134) 24hr		Boise Lawrence		8/18	2	N	0600
DOZ2 w/LOWB GT Logging (E-85) 24hr		Gerral Still		8/17	2	N	0600
WT2 Darrah Logging (E-29) 24hr		Ron Hale		8/16	1	N	0600
WT2 Peters (E-120) 24hr		Bill Schmidt		8/14	1	N	0600
WT2 Darrah (E-121) 24hr		Dave Orr		8/18	1	N	0600
HEQB (O-163)		Mark South		8/18	1	N	0600
HEQB (O-154)		Adam Ziegler		8/21	1	N	0600
HEQB (O-188)		Hans Neiderberger		8/17	1	N	0600
SOFR (O-200)		Bruce Macdonald		8/18	1	N	0600
FEMP (O-70)		Ryan Fischer		8/16	1	N	0600
FEMT (O-72)		Tim Hudson		8/16	1	N	0600
7. Control Operations							
<ul style="list-style-type: none"> Continue direct and indirect fireline. Hold and mop up. 							
8. Special Instructions							
<ul style="list-style-type: none"> 9. Division/Group Communication Summary 							
CMD	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Alt CMD	RX 168.1750 TX 171.5250	BLACK T1	CH14 Tone 1 (110.9)
Tactical 7 Division/Group	RX 168.2500 TX 168.2500	NIFC TAC 7	8 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
				Air to Ground	RX 169.6375 TX 169.6375	A/G TAC	13
Prepared by (Resource Unit Leader) Roberta Lim (t)			Approved by (Planning Section Chief) 			Date 8/10/2014	Time 12:54

INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name
BEAVER

2. Date/Time Prepared
8/10/14 10:30

3. Operational Period Date/Time
08/10 - 11/20/14 1800 - 0600

4. Basic Radio Channel Utilization
Mode: W=Wideband Analog, N=Narrowband Analog, D=Digital, M=Mixed

Channel	Function	Frequency	Tone	Mode	Assignment	Remarks
1	NIFC C4	166.6125 168.4000	4.0 4.0	N	CMD	Tone 4 (136.5) Buckhorn Bally LO ("Link to C11, C41")
2	NIFC C11	170.6875 166.5750	4.0 4.0	N	CMD 11	Tone 4 (136.5) Collis Baldy LO ("Link to C4, C41 Travel & Camp")
3	NIFC C41	169.3875 166.6000	4.0 4.0	N	CMD 41	Tone 4 (136.5) Craggy Mtn Link to (C4, C11)
4	NIFC TAC 1	168.0500 168.0500	4.0 4.0	N	Unassigned	Tone 4 (136.5)
5	NIFC TAC 3	168.6000 168.6000	4.0 4.0	N	DIVs A / C	Tone 4 (136.5)
6	NIFC TAC 5	166.7250 166.7250	4.0 4.0	N	DIV Q	Tone 4 (136.5)
7	NIFC TAC 6	166.7750 166.7750	4.0 4.0	N	DIVs K / L	Tone 4 (136.5)
8	NIFC TAC 7	168.2500 168.2500	4.0 4.0	N	DIV U	Tone 4 (136.5)
9	R5 TAC 4	166.5500 166.5500	4.0 4.0	N	DIV T	Tone 4 (136.5)
10	R5 TAC 5	167.1125 167.1125	4.0 4.0	N	DIVs V / W	Tone 4 (136.5)
11	R5 TAC 6	168.2375 168.2375	4.0 4.0	N	DIVs G / P (Unstaffed)	Tone 4 (136.5)
12	AG CMD	165.4125 165.4125		N	All DIVs	Air to Ground CMD
13	AG TAC	169.6375 169.6375		N	All DIVs	Air to Ground TAC
14	BLACK T1	168.1750 171.5250	1.0	N	Air CMD	Tone 1 (110.9) Mase Mt
15	CALCORD	156.0750 156.0750	6.0 6.0	N	Medical	Tone 6 (156.7)
16	AirGuard	168.6250 168.6250	1.0	N	EMERGENCY	Tone 1 (110.9)

5. Prepared by (Communications Unit) Radio V5
D Stoner

INCIDENT RISK ANALYSIS

Beaver CA-KNF-005497

(ICS 215A) Night Shift

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	DRY FUEL CONDITIONS	<ul style="list-style-type: none"> Establish and maintain LCES Anticipate intense burning and rapid rates of spread Watch for spot fires Allow for adequate time to escape routes and safety zones
DIVS A/C, T, U	MOP-UP	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG) Use all required PPE, including eye protection Maintain proper spacing and overhead clearance Be alert for hazard trees, stump holes, and ash pits Minimize exposure to smoke, and rotate personnel into clean air when practical Evaluate unburned islands/Increase situational awareness
DIVS V/W	STRUCTURE PROTECTION	<ul style="list-style-type: none"> Review Structure Protection; IRPG pages 12-16 Do not commit to stay on a structure unless the area around the structure represents an adequate safety zone Set trigger points to disengage and allow adequate time to relocate to primary and secondary safety zones Look for propane tanks and other hazardous materials
ALL	TRAFFIC & DRIVING	<ul style="list-style-type: none"> Practice "Defensive Driving" techniques Use spotters when backing Always use headlights Use warning lights when working on roads or traveling in smoke Observe posted speed limits Maintain safe following distance from vehicles in front of you Use chock blocks, turn wheels into hill
DIVS A/C, Q, T, U	INDIRECT LINE CONSTRUCTION	<ul style="list-style-type: none"> Establish and maintain LCES. Locate line in favorable location, lighter fuels and gentler topography when possible. Utilize natural or existing barriers. If possible burn out or backfire as line construction progresses.
ALL	AIR OPERATIONS	<ul style="list-style-type: none"> Follow " Aviation Watch-Out Situations" on page 44, IRPG Don't plan on air resources for medical transport or resupply Refer to page 57, IRPG for directing bucket drops Ensure positive communication with all air resources
ALL	HEAT RELATED ILLNESS (HRI) & DEHYDRATION	<ul style="list-style-type: none"> Drink 2 to 1 water to sports drinks. Take Frequent breaks, minimum of 10 minutes every hour Recognize symptoms of HEAT RELATED ILLNESS which include <ul style="list-style-type: none"> Lack of energy, Headaches, dizziness, lack of rest, no hunger, poor eating habits, hot skin, and lack of sweating
DIVS ALL	FIRING OPERATIONS	<ul style="list-style-type: none"> A written guideline shall be prepared and approved for burning operations Conduct thorough briefing for all personnel (inside rear cover IRPG). Qualified personnel for all assignments. Trainees to have qualified trainers. Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. Required PPE to be worn by all personnel involved. Establish LCES prior to implementing burning operations (IRPG p. 6).
DIVS A/C, T, U	HEAVY EQUIPMENT OPERATIONS	<ul style="list-style-type: none"> Ensure communications are established with operators Use hand signals if other communications are unavailable Maintain a 50'-100' exclusion area around equipment Use a spotter when backing
ALL	STEEP TERRAIN & ROLLING DEBRIS	<ul style="list-style-type: none"> Maintain 8'-10' spacing when working & walking Don't work above any personnel Evaluate necessity to send personnel in areas with limited access
ALL	HAZARD TREES	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines, IRPG pages 22 Post lookouts, or use a spotter in mop-up areas with personnel Don't park vehicles or take breaks in high concentrations of hazard trees Establish trigger points for disengagement during high wind events

INCIDENT NAME: **Beaver**

ICS 215a

DATE PREPARED:

August 10, 2014

TIME PREPARED: **0845 HOURS**

OPERATIONAL PERIOD
Night Shift 08/10/2014
1800-0600
Prepared by
S. Davis

**Lookouts
Communications
Escape Routes
Safety Zones**

Beaver Incident

Operation Period: 08/10/2014 Night Shift

SAFETY MESSAGE

IDENTIFICATION OF EFFECTIVE ESCAPE ROUTES AND SAFETY ZONES

- 1. **OBSERVE**-Personally observe potential safety zones and escape routes in the work area.
- 2. **VISUALIZE**- Build a mental picture of the fire behavior you would expect if conditions existed that would enable a crown fire to burn around your potential safety zone.
- 3. **IDENTIFY**- Compare the fire behavior you visualize with the size and location of potential safety zones you observe in order to identify any true safety zones available.
- 4. **TIME**- Have someone walk and time the route from the work location to the potential safety zone(s).
- 5. **INFORM**- Communicate the location and path of travel to those who work for you and around you.
- 6. **EVALUATE**- You must continually evaluate your escape and safety plan to insure that it will still work.

MAJOR HAZARDS AND RISKS

DRY FUELS FATIGUE SPOT FIRES	ROLLING MATERIAL DEHYDRATION INDIRECT FIRELINE	HEAVY EQUIPMENT HAZARD TREES THUNDERSTORMS
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Be sure all elements of your safety plan are in place prior to engagement

Thunderstorm Safety

Follow the 30/30 rule: If you see lightning and hear thunderclaps follow in less than 30 seconds, take storm precautions.

1. Take shelter in vehicle or building if possible.
2. If outdoors, find low spot away from tall trees, wire fences, and utility lines.
3. If in open country, crouch low, with feet together, minimizing contact with the ground.
4. Don't group together.
5. Stay away from ridge tops, wide open areas, or near ledges or rock outcroppings.
6. Follow the thunderstorm safety guidelines on page 21 of the IRPG.

Planning for Safety

Have multiple plans and make them known

P – Primary Plan (Offense)

Focused on firefighter safety and mission objectives

A – Alternate Plan (Offense)

A fall back plan that closely supports the primary

C- Contingency Plan (Defense)

Entirely focused on firefighter safety

E – Emergency Plan (Defense)

Entirely focused on individual firefighter survival

MEDICAL PLAN (ICS 206 WF)

1. Incident Name: BEAVER FIRE	2. Operational Period: Date From 08/10/2014 Date To 08/11/2014 Time From 1800 Time To 0600
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3. Ambulance Services:				
Name	Complete Address	Phone / Frequency	Advanced Life Support (ALS)	
			YES	NO
Medical Unit	ICP	NIFC C4	XX	
Div. A/C FEMP and FEMP	Div. A/C	Per Comm. Plan, NIFC C4	XX	
Div. Q FEMP and FEMT	Div Q	Per Comm. Plan, NIFC C4	XX	
Div. U FEMP and FEMT	Div U	Per Comm. Plan, NIFC C4	XX	
Happy Camp Medic21	ICP	NIFC C4		XX
Frontline Medical	Quarry Camp	N/A	XX	

4. Air Ambulance Services:		
Name	Phone	Type of Aircraft & Capability
Mercy Flights	530-842-3515	BO-105 1 Patient ETA 20 Min, Night Ops
REACH Helicopter	530-842-3515	Bell 407 1 Patient ETA 50 Min
PHI Redding	530-842-3515	EC-135 1 Patient ETA 50 Min
C.H.P.	530-841-6008	Hoist Capable

5. Hospitals:								
Name Complete Address	GPS Datum – WGS 84 Coordinate Standard Degrees Decimal Minutes DD° MM.MMM° N – Lat DD° MM.MMM° N – Long		Travel Time		Phone	Helipad		Level of Care Facility
			Air	Gnd		Yes	No	
Fairchild Medical Center 444 Bruce St. Yreka, Ca. 96097	Lat:	41 43.198	15 min	30 Min	ER: 530-841-6292	XX		Level 4 Trauma
	Long:	122 38.76						
	VHF:							
Mercy Medical Center Mt. Shasta 914 Pine St. Mt. Shasta, Ca. 96067	Lat:	41 15.48	45 Min	1 Hour	530-926-6111	XX		Level 3 Trauma
	Long:	122 16.15						
	VHF:							
Rogue Valley Medical Center 2825 Barnett Rd Medford, Or. 97504	Lat:	42 19.08	15 Min	55 Min	ER: 541-789-7100	XX		Level 3 Trauma
	Long:	122 49.91						
	VHF:							
U.C. Davis Medical Center 2315 Stockton Blvd. Sacramento, Ca	Lat:	38 33.14	1 Hour 45 Min	4 Hour 45 Min	916-734-2011	XX		Level 1 Trauma Burn Center
	Long:	121 27.26						
	VHF:							

6. Branch Division/Group – Area Location Capability		
Division/Group A/C	EMS Responders and Capability	FEMP Gehr and FEMP Jones
	Equipment Available on Scene	ALS Gear and Equipment
	Medical Emergency Channel	CALCORD
	ETA for Ambulance to Scene:	
	Air:	20 Minutes
	Ground	20 Minutes
	Approved Helispot	
	Lat:	
Long:		
Division/Group T	EMS Responders and Capability	FEMP Garcia and FEMT Ali
	Equipment Available on Scene	ALS Gear and Equipment
	Medical Emergency Channel	CALCORD
	ETA for Ambulance to Scene:	
	Air:	20 Minutes
	Ground	40 Minutes
	Approved Helispot	
	Lat:	

Division/Group U	EMS Responders and Capability	FEMP Fischer and FEMP Hudson
	Equipment Available on Scene	ALS Gear and Equipment
	Medical Emergency Channel	CALCORD
	ETA for Ambulance to Scene:	
	Air:	20 Minutes
	Ground	20 Minutes
	Approved Helispot	
	Lat:	
	Long:	

6. Branch Division/Group – Area Location Capability (con't)			
Division/Group			
Div. T	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	50 Minutes	
	Medical Emergency Channel	CALCORD	
Div. V/W	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	20 Minutes	
	Medical Emergency Channel	CALCORD	
Div. K/L	ETA for Ambulance to Scene:		
	Air:	20 Minutes	
	Ground	50 Minutes	
	Medical Emergency Channel	CALCORD	
8. Prepared by: (Medical Unit Leader)		9. Date / Time	10. Prepared by: (Safety Officer)
Patrick Young MEDL (T)		08/10/2014 @1100	Steve Davis SOF 2
11. Date / Time			
08/10/2014 1100			
ICS 206 WF	IAP Page		

Medical Incident Report

FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

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

1. CONTACT COMMUNICATIONS/DISPATCH

Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)

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

Nature of Injury/Illness		<i>Describe the injury</i> (Ex: Broken leg with bleeding)
Incident Name		<i>Geographic Name + "Medical"</i> (Ex: Trout Meadow Medical)
Incident Commander		<i>Name of IC</i>
Patient Care		<i>Name of Care Provider</i> (Ex: EMT Smith)

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.

Number of Patients:	Male / Female	Age:.	Weight:.
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Mechanism of Injury: <i>What caused the injury?</i>			
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 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.

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:

<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar
<input type="checkbox"/> Burn Sheet(s)	<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)		

7. 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:

8. CONTINGENCY:

TRAINING SPECIALIST MESSAGE

All Federal, State, and Local Government trainees who have not already done so, need to register their assignment with the TNSP's.

The TNSP is located in the ICP with Plans.

A TNSP Desk is available at Quarry Base next to the Medical Trailer. Training Registration Forms and a "Drop Box" are available at the Quarry Base TNSP Desk.

A TNSP will staff the Quarry Base Desk:

1000 to 1200

2000 to 2130

TNSP Contact Phone Numbers

Brad Smith – 925-872-8562

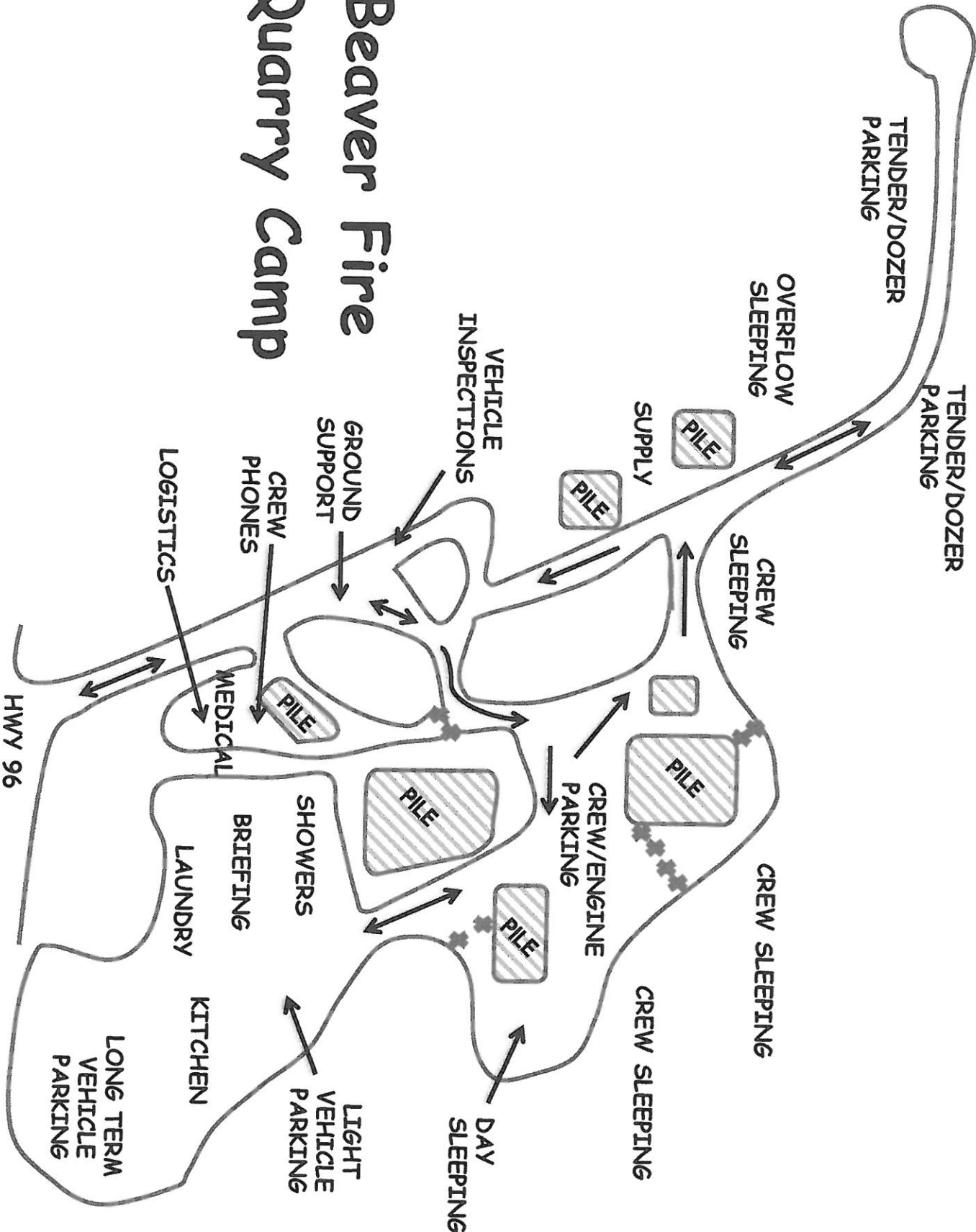
Brian Lamphier – 707-489-2895

Brad Smith

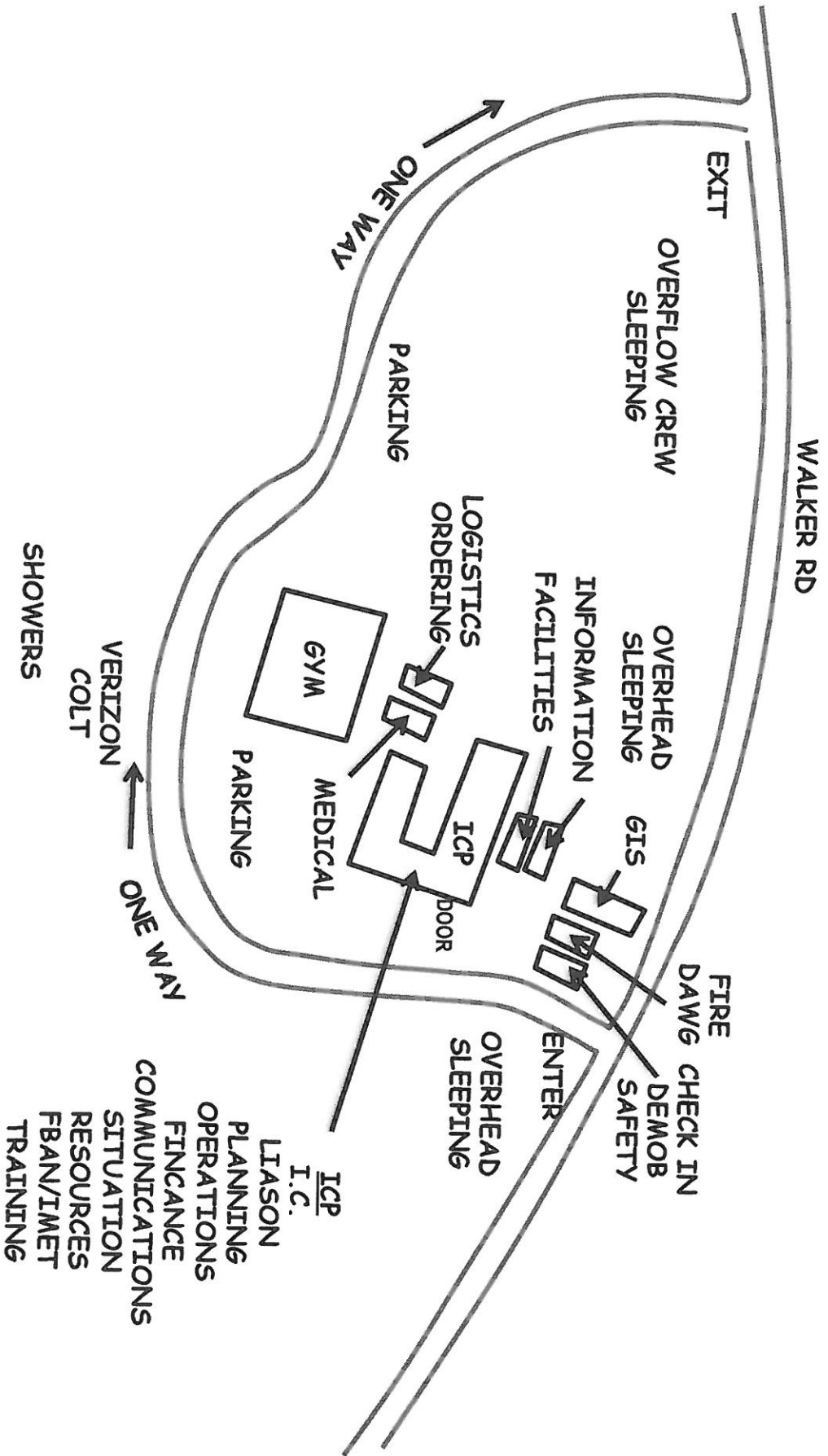
Brian Lamphier (t)

Training Specialists

Beaver Fire Quarry Camp



Beaver Fire ICP



BEAVER FIRE PHONE LIST

As of 08/09/2014

	ICP NUMBERS	QUARRY NUMBERS	FAX
Incident Commander			
Deputy Incident Commander			
Safety/Comp			
Information	530-331-0737		
Liaison Officer			
Ops Chief	530-496-1506		
Air Ops.			
Helibase			
Plans Chief	530-496-1517		
Resource / Situation Unit	530-496-1519		
Documentation / Check In	530-496-1520		530-496-1505
Demob	530-496-1504		530-496-1505
IMET			
Fire Behavior Analyst			
Computer Techs			
F/Ban			
Training Specialist	530-496-1517		
Logistics Chief	530-496-1521		
Supply / R & D		530-496-1537 / 530-496-1538	
Ordering	530-496-1507 / 1508 /1522		530-496-1508
Facilities	530-496-1512	530-496-1531	
Ground Support / Repair	530-496-1528 / 496-1529		
Communications	530-496-1502		
Medical Unit	530-496-1511		
Security			
Food Unit		530-496-1531	
Finance Section	530-496-1525		
Finance Section	530-496-1528		
Forest Dispatch	530-841-4600		
Expanded	530-841-4623		
Co. Sheriff 24 hrs	530-841-2911		
River Spike	530-465-2438		
Fire Dwag			530-231-6144
Cal-Fire Dispatch	530-842-7066		
CHP 24 hrs	530-841-6000		
Frontline Medical		530-496-1536	
Cal - Trans 24 hrs			
CREW PHONES		530-496-1535 / 530-496-1532	
		530-496-1534 / 530-496-1533	

