BEAVER FIRE

Incident Action Plan

Friday, August 22nd, 2014

0600 - 2000

WORKING AROUND HEAVY EQUIPMENT

- Maintain Safe Distances From Equipment
- Stay 100' in front and 50' Behind the Equipment
- If in Timber, Increase These Distances 2.5 Times

DANGER TREES/FIRE WEAKENED TREES

- Scout work area. Look around entire tree for burn scars
- Mitigate using qualified personnel only!
- If unable to mitigate hazard, flag off area, Communicate the location & keep personnel away!

KEEP A HIGH LEVEL OF SITUATIONAL AWARENESS

Beaver Fire: CA-KNF-005497 P5H93T (0505)

Klamath National Forest

Northern California Incident Management Team 1

INCIDENT OBJECTIVES	1. Incident Name Beaver	2. Date 08/21/2014	3. Time 1900

4. Operational Period
August 22, 2014 DAY SHIFT

OPERATIONAL OBJECTIVES

1) Ensure firefighter and public safety in all incident activities. Adhere to all safety standards and implement appropriate risk analysis.
2) Protect values at risk to include watershed, Late Successional Reserve, cultural resources, private timber lands and recreation sites.
3) Implement suppression repair in accordance with established plans.
4) Keep the Beaver Fire within existing containment lines.

MANAGEMENT OBJECTIVE

1) Coordinate with Forest to maintain timely and accurate communications with communities, county officials and stakeholders.
2) Effectively manage incident costs by planning strategies and tactics toward a high probability of success.

6. Weather Forecast for Period

- See attached weather forecast.

7. General Safety Message

- See attached safety messages.

8. Attachments (mark if attached)

☒ Organization List - ICS 203	☒ Medical Plan - ICS 206	☒ Weather
☒ Div. Assignment Lists - ICS 204	☒ Incident Map	☒ ICS215a
☒ Communications Plan - ICS 205	☒ ICS 220	☐ Rehab Considerations

9. Prepared by (Planning Section Chief)	10. Approved by (Incident Commander)
Valery Lambeth	Mike Minton

ORGANIZATION ASSIGNMENT LIST

1. Incident Name **Beaver**	
2. Date August 21, 2014	3. Time 1900
4. Operational Period **Day Shift August 22, 2014**	

Position	Name
5. Incident Commander and Staff	
Incident Commander	Mike Minton, Rick Young (t)
Deputy	Jay Kurth
Safety Officer	Michele Tanzi, Jeff Barnhart, Bob Kafka
Information Officer	Jim Mackenson, Kathy Hardy
Liaison Officer	Kent Swartzlander
Human Resources	Diane Simpson
6. Agency Representative	
Agency Administrator	Patty Grantham
Agency Admin Rep	Lance Noxen
Fruitgrowers Timber	Terry Salvestro
Michigan Cal	Chris Chase
IARR AK	Dave Whitman, Gary Mullen
IARR Southern Region	John Nichols, Jeff Owenby (t)
Resource Advisor	Erin Rentz
7. Planning Section	
Chief	Valery Lambeth, Walter Herzog (t)
Deputy	Dave Sinclear
Resources / Documentation / Demob Units	Gary Deboi, LouAnn Charbonnier, Rita Mustatia
Situation Unit	Alan Taylor, Tim Ritchey (t)
Training	Seneca Smith
CTSP	George Steel, Justin LeMay (t)
GIS	Matt Dickinson, Kyle Felker, Jim Gonzalez, Elizabeth Hale
FBAN	John Wood
IMET	Tim Sedlock
8. Logistics Section	
Chief	Mike Jellison, Brett Shurr
Deputy	Ken Kumpe
Supply Unit	Richard Sheets
Ordering	Ron Pierce
Facilities Unit	Frank DelCarlo, Jeff Huhtala, Ricky Crowther (t)
Ground Support Unit	Harry Zabel
Communications Unit	Phil Shafer, Rick Cartoscelli
Medical Unit	Ken Earle, Ryan Reginato (t)
Receiving & Distribution	Fred Johnson
Security Manager	
Food Unit	Jay Westlake
Deputy Food Unit	Toby Ringuette
9. Operations Section	
Operations	Steve Burns
Planning Ops	Alec Lane, Dustan Mueller (t)
a. Division/Groups	
Division/Group A / W	Jesse Knox, Kevin Haloran
Division/Group C / E	Brett Loomis
Division/Group J	Mark Patino
Division/Group K / L	Randy Jennings, Jim Rust (t)
Division/Group P	Don Fregulia
Division/Group Q / T	Mark Vardanega
Division/Group U / V	Byron Hart
Division/Group Repair	Shawn Burt, Clayton Swanger (t)
b. Division/Groups	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
c. Air Operations Branch	
Air Operations Branch Director	
Air Attack Supervisor	
Air Support Supervisor	Glenn Dietz
Helicopter Coordinator	Curtis Coots
Air Tanker Coordinator	
10. Finance Section	
Chief	Rachel Corkill
Time Unit	Maggie Prochazka
Cost Unit	Kenny Lucien
Compensation/Claims Unit	Debbie McIntosh
Procurement	Karrie Linn

Prepared by (Resource Unit Leader) L. Charbonnier

INCIDENT **Weather Forecast**

FORECAST NO: 31 **NAME OF FIRE:** Beaver Fire

PREDICTION FOR: Friday DAY Shift **UNIT:** Klamath National Forest

SHIFT DATE: August 22, 2014 **SIGNED:** *Tim Sedlock*

TIME AND DATE
FORECAST ISSUED: 08/21/2014 at 1900 PDT **Incident Meteorologist**

WEATHER DISCUSSION: Fair relative humidity recoveries expected Friday morning. A weak, dry cold front will move through the area on Friday with a slight decrease in afternoon temperatures forecast. Gusty afternoon and evening northwest winds are forecast at higher elevations Friday afternoon and evening. Stable and dry conditions continue Saturday with higher gusts at ridgetop late in the day. Relative humidity recoveries at night will be slower and poorer this weekend at the mid-slopes and ridges.

WEATHER FORECAST:
Friday:
Weather: Mostly sunny.
High Temperature…84-89 canyon bottom, 70-75 mid-upper slopes (Few degrees cooler than Thursday)
Min RH……………… 20-25% canyon bottoms, 30-39% high elevations (2-4 percent wetter than Thursday)
20-FOOT WINDS:
Canyons…… Light morning winds, becoming upslope/upcanyon 6-10 mph in the afternoon.
Ridgetop…… Light and variable winds into early afternoon, becoming north-northwest 8-14 mph with gusts to 20 to 25 mph late in the afternoon.
CWR (>=0.10")….0% **LAL…**1 (No Lightning) **Haines Index….**4 (Low)

Friday Night:
Weather: Mostly clear.
Low Temperature… 50-55
Max RH…………….. Fair recovery…50-65%
20-FOOT WINDS:
Canyons……North-northwest 6-10 mph in the evening, becoming light downslope/downcanyon after midnight.
Ridgetop……North-northwest 8-14 mph in the evening with gusts to 20 to 25 mph, decreasing to 3-6 mph overnight becoming northeast to east.
CWR (>=0.10")….0% **LAL…**1 (No Lightning) **Haines Index….**4 (Low)

Outlook for Saturday:
Weather: Mostly sunny.
High Temperature… 87-92 canyon bottom, 72-78 mid-upper slopes (Few degrees warmer than Friday)
Min RH……………… 18-23% canyon bottoms, 28-36% high elevations (Little drier than Friday)
20-FOOT WINDS:
Canyons…… Light morning winds, becoming upslope/upcanyon 6-10 mph in the afternoon.
Ridgetop…… Light east to southeast winds into early afternoon, becoming north-northeast 7-12 mph with gusts to 20 to 25 mph late in the afternoon and evening.
CWR (>=0.10")….0% **LAL….**1 (No Lightning) **Haines Index….**4 (Low)

EXTENDED OUTLOOK for Sunday - Tuesday:
A warming trend will continue through early next week. The air mass will also remain quite dry. Slower and poorer humidity recoveries at night expected through the extended at mid-slopes and ridges. Gusty afternoon and evening winds following weak, dry cold front passage on Monday.

.Sunday through Tuesday… Mostly clear…except partly cloudy in the afternoons and early evenings. Lows 53-59. Highs 91-97 canyon bottom, 77-84 mid-upper slopes. Min RH 15-20% canyon bottoms, 25-35% ridges. Light and variable overnight and morning winds, becoming north-northwest 6-10 mph in the afternoons and evenings.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 35	**TYPE OF FIRE: Wildland Fire**
FIRE NAME: Beaver	**OPERATIONAL PERIOD: 8/22 0600 to 2000**
DATE ISSUED: 8/21/14	**TIME ISSUED: 2000**
UNIT: Klamath N.F.	**SIGNED: /s/ John Wood FBAN**

INPUTS

WEATHER SUMMARY: Fair to good relative humidity recoveries expected Friday morning. A weak, dry cold front will move through the area on Friday with a slight decrease in afternoon temperatures. Gusty afternoon and evening Northwest winds are forecast at higher elevations Friday afternoon and evening. Stable dry conditions continue Saturday with higher gusts at ridge top late in the day. Maximum temperatures canyon bottoms 84-89 degrees, mid-upper slopes 70-75 degrees. Minimum relative humidity canyon bottoms 20-25 percent; canyon bottoms 30-39 percent. Winds: Valleys, light morning winds becoming upslope/up canyon 6 to10 mph in the afternoon. Ridge winds, light and variable winds into early afternoon becoming North-Northwest 8-14 mph with gusts 20 to 25 mph in the late afternoon.

Haines: 4 **ERC- 65**

OUTPUTS

GENERAL: The passage of a dry cold front will bring gusty winds and low relative humidity, Oak Knoll measured 9% the previous day. Relative humidity below 15 percent has been a trigger for increased fire behavior. Inside control lines activity will mostly be smoldering duff and heavies but unburned fuel may consume with active spread and torching. Fuels remain drought stressed and about six weeks ahead of normal conditions, especially live fuel moistures. Consider the potential for roll out of hot material, in steep terrain. Rates of spread in timber fuels up to 10-15 ch/hr and 6 foot flame lengths where wind and slope align. Rates of spread in brush/grass up to 28 ch/hr with flame lengths up to 9 ft. These fuels will need a combination of wind and slope to spread at the higher forecast levels. Anticipate spread rates on average to range from 1-5 ch/hr.

SPECIFIC:

Fuel moisture: **1hr 4-6% 1000 hr 7% Live 78%** Prob. of ign. **55-75%** Spot distance up to **.4 of a mile**.

Branch I: The upper end of Doggett Creek in Division K/L should continue to be a focus area. Activity will persist here as fuels burn down, inside recent control lines. Rates of spread will remain low, reaching 2 ch/hr under favorable conditions.

Branch II: Fish Trap Creek should remain an area to watch because of the steep narrow drainage. Activity should be slowing in islands as available fuels are consumed. Minimal fire activity expected in the rest of the Branch.

Initial Attack: Gusty afternoon winds in combination with middle teen relative humidity could assist development of active fire spread on exposed sites. Winds combined with the drought stressed, dry fuels would likely develop single and group tree torching. Spotting trouble will not be limited to light fuels but will occur in the critically dry heavy fuels as well. Below 3500 feet, light fuels will initiate quickly and challenge direct attack. Above 3500 feet, timber fuels will develop fire behavior that will require mechanical support for successful attack. Conditions above 5000 feet will be favorable to suppression action with slightly higher fuel moistures slower burning fuels and large unburnable, open areas but fire will still burn with intensity.

AIR OPERATIONS

There may be a slight impact to visibility in the morning but should not hamper air operations. Air should clear out late morning but may move back in in the early afternoon as smoke from the Happy Camp Complex filters in.

Safety Message

All fire fighters have 5 communication responsibilities: Brief others as needed, Debrief your actions, Communicate hazards to others, Acknowledge messages and Ask if you don't know. Take some time and explain these responsibilities with your crews and practice them yourself.

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group A / W
3. Incident Name **Beaver**	4. Operational Period Date: 08/22/2014	**DAY OPERATIONS** Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Jesse Knox, Kevin Halorhan (t) (8/25)
Branch Director		Air Support	Glenn Dietz

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
ST 6611C (E-329)	Josh Richardson	8/26	26	N	DP 90 / 0700	1900
WT1 Cattlelack 131 (E-284)	Eric Head	8/29	1	N	DP 90 / 0700	1900
FOBS (O-295)	Kurt Pindel	8/28	1	N	DP 55 / 0700	1900
FOBS (O-294)	Wes Duncan (t)	8/28	1	N	DP 55 / 0700	1900
SOFR (O-391) Share w/all BR II	Dave Provencio	9/4	1	N	DP 90 / 0700	1900
READ (O-4)	Erin Rentz	8/31	1	N	DP 90 / 0700	1900
Happy Camp Ambulance	Medic 21 – Doug Goodwin		1	N		

7. Control Operations

- Patrol fireline

8. Special Instructions

- Continue suppression repair.
- Backhaul trash and excess hose.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	CMD 4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 168.6000N TX 168.6000N	NIFC T-3	5 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. [signature]	8/21/2014	21:51

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group C / E
3. Incident Name **Beaver**	4. Operational Period Date: 8/22/14	**DAY OPERATIONS** Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Brett Loomis
Branch Director		Air Support	Glenn Dietz

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
ENG3 MNF 333 (E-353)	Stephanie Gleason	8/25	5	N	DP 84 / 0700	1900
WT2 Cattlelack 713 (E-3)	David Patrick	8/25	1	N	DP 84 / 0700	1900
ENG3 CA-PNF 325 (E-224)	James Lico	8/29	5	N	DP 84 / 0700	1900
FOBS (O-386)	Kay Kudo	9/3	1	N	DP 84 / 0700	1900
FOBS (O-385)	Tim Epp	9/3	1	N	DP 84 / 0700	1900
SOFR (O-338) Share w/all BR I	Mike Alforque	8/26	1	N	DP 84 / 0700	1900
READ (387)	Kevin Albrecht	9/3	1	N	DP 90 / 0700	1900

7. Control Operations

- Patrol fireline

8. Special Instructions

- Continue fireline repair.
- Backhaul trash and excess equipment.
- Avoid cutting hazard trees that are blazed and painted as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 168.0500N TX 168.0500N	NIFC T-1	4 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. [signature]	8/21/2014	21:15

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group J
3. Incident Name **Beaver**	4. Operational Period **DAY OPERATIONS** Date: 8/22/14 Time: 0600-2000	

5. Operations Personnel			
Operations Chief	Steve Burns	Division/Group Supervisor	Mark Patino (8/23)
Branch Director		Air Support	Glenn Dietz

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
HC2IA Intertribal #1 (C-84)	Jacob Wisehart	8/27	20	N	DP 55 / 0700	1900
ENG6 Bohica Brothers 61 (E-335)	David Campbell	8/26	3	N	DP 84 / 0700	1900
FEMP (O-303)	Steven Gray	8/26	1			
FEMT (O-52)	Jared McElhannon	8/22	1			
SOFR (O-338) Share w/all BR I	Mike Alforque	8/26	1	N	DP 84 / 0700	1900

7. Control Operations

- Patrol fireline

8. Special Instructions

- Continue fireline repair.
- Backhaul trash and excess equipment.
- Avoid cutting hazard trees that are blazed and painted as property line trees if possible.
- Be prepared for initial attack
- **Delta HC (C-44) Last shift – Demob on 8/23 and report to Redding.**

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 167.1125N TX 167.1125N	FS R5 T5	10 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walt J. [illegible]	8/21/2014	21:35

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group K / L page 1 of 2
3. Incident Name **Beaver**	4. Operational Period Date: 8/22/14	**DAY OPERATIONS** Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Randy Jennings, Jim Rust (t) (08/27)
Branch Director		Air Support	Glenn Dietz

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
HC2IA Arkansas AOICC (C-85)	Terry Beatty, R.L. Self (t)	8/28	20	N	DP 18 / 0700	1900
HC2IA Yukon (C-14)	Lamuel Black	8/30	22	N	DP 46 / 0700	1900
HC2IA ASI (C-3)	Jason Sare	8/30	20	N	DP 46 / 0700	1900
HC2 Upper Tanana 1 (C-78)	Shane Sam	8/26	20	N	DP 46 / 0700	1900
HC2 St. Michael (C-79)	Aloysius Otten	8/26	20	N	DP 46 / 0700	1900
S/T ENG 1658C (E-328)	Peter Stephenson	8/25	27	N	DP 46 / 0700	1900
ENG3 NM 316 (E-9)	Mike Martinez	9/1	3	N	DP 46 / 0700	1900
ENG3 NM 516 (E-10)	Donald Valdez	8/30	3	N	DP 46 / 0700	1900
ENG6 Mt. Adam 322 (E-147)	Don Holter	9/1	3	N	DP 46 / 0700	1900
ENG6 Mt. Adam 324 (E-148)	Chuck Newberry	8/30	3	N	DP 46 / 0700	1900
ENG6 Timberline (E-337)	Dylan Howard	8/26	3	N	DP 46 / 0700	1900
DOZ2 w/LOWB CLT (E-127)	Brett Jones		1	N	DP 46 / 0700	1900
WT ENF 6 (E-180.8)	Michael Loeffler & Stephen Clifford	8/26	1	N	DP 46 / 0700	1900

7. Control Operations
- Hold and mop up existing fireline.
- Mop up 300' where safe to do so.

8. Special Instructions:
- Backhaul trash and excess hose.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 166.7750 TX 166.7750	NIFC TAC 6	7 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hagy	8/21/2014	21:06

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group K / L page 2 of 2
3. Incident Name **Beaver**	4. Operational Period **DAY OPERATIONS** Date: 8/22/14 Time: 0600-2000	

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Randy Jennings
Branch Director		Air Support	Glenn Dietz

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
HEQB (O-258)	Terrance Corely	8/27	1	N	DP 46 / 0700	1900
TFLD	Mike Lamb		1	N	DP 46 / 0700	1900
TFLD (O-382)	Brandon Hostetter (t)	8/27	1	N	DP 46 / 0700	1900
FOBS (O-296) share w/P	Jeremy Kolaks (t)	8/27	1	N	DP 46 / 0700	1900
FOBS (O-274) share w/P	John Merager (t)	8/27	1	N	DP 46 / 0700	1900
FEMP (O-312)	Adam Hacking	8/25	1	N	DP 8 / 0700	1900
FEMT (O-365)	Keith Albrecht	8/23	1	N	DP 90 / 0700	1900
SOFR (O-338) Share w/all BR I	Mike Alforque	8/26	1	N	DP 84 / 0700	1900
READ (O-213)	Craig Wilson	8/22	1	N	DP 46 / 0700	1900

7. Control Operations

- Hold and mop up existing fireline.
- Mop up 300' where safe to do so.

8. Special Instructions:

- Backhaul trash and excess hose.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 166.7750 TX 166.7750	NIFC TAC 6	7 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hogg	8/21/2014	21:22

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group P

3. Incident Name	4. Operational Period	
Beaver	Date: 8/22/14	DAY OPERATIONS Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Don Fregulia
Branch Director		Air Support	Glenn Dietz

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
HC2 Delta #2 (C-44)	Zachary Jacobson	8/22	20	N	DP 55 / 0700	1900
ENG6 CIF 671 (E-336)	Alexander Arguelle	8/27	4	N	DP 24 / 0700	1900
CHIP w/Truck (O-380 O-381)	John Morgan / Joseph Jones	8/30	2	N	DP 90 / 0700	1900
FOBS (O-296) share w/K/L	Jeremy Kolaks (t)	8/27	1	N	DP 46 / 0700	1900
FOBS (O-274) share w/K/L	John Merager (t)	8/27	1	N	DP 46 / 0700	1900
FEMP (O-293)	Tom O'Malley	8/25	1	N	DP 24 / 0700	1900
FEMT (O-245)	Orlando Ramirez	8/25	1	N	DP 24 / 0700	1900
SOFR (O-391) Share w/all BR II	Dave Provencio	9/4	1	N	DP 90 / 0700	1900

7. Control Operations

- Patrol fireline

8. Special Instructions

- Backhaul trash and excess hose.
- Continue suppression repair.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Prepare for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	CMD 4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 168.6000N TX 168.6000N	NIFC T-3	5 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hyong	8/21/2014	21:34

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group Q / T
3. Incident Name **Beaver**	4. Operational Period Date: 8/22/14	DAY OPERATIONS Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Mark Vardanega
Branch Director		Air Support	Glenn Dietz

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
WT2 Peters 2 (E-120)	Jesse Morton	8/22	1	N	DP 18 / 0700	1900
EXC Carlson's Spider (E-378)	Curt Carlson	8/31	1	N	DP 18 / 0700	1900
HEQB (O-259)	James Gregory	8/28	1	N	DP 18 / 0700	1900
READ (O-352)	Brady Dodd	8/30	1	N	DP 18 / 0700	1900
SOFR (O-391) Share w/all BR II	Dave Provencio	9/4	1	N	DP 90 / 0700	1900

7. Control Operations

- Patrol fireline

8. Special Instructions

- Backhaul trash and excess hose.
- Continue suppression repair.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
CMD	RX 166.6125 TX 168.4000	CMD 4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 168.2500 TX 168.2500	NIFC TAC 7	8 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hepner	8/21/2014	21:33

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group U / V
3. Incident Name **Beaver**	4. Operational Period Date: 8/22/14	**DAY OPERATIONS** Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Byron Hart
Branch Director		Air Support	Glenn Dietz

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
EXC N Rivers (E-372)	Tim Beck	8/31	1	N	DP 18 / 0700	1900
HEQB (O-375)	Casey Lovell	8/31	1	N	DP 18 / 0700	1900
SOFR (O-391) Share w/all BR II	Dave Provencio	9/4	1	N	DP 90 / 0700	1900

7. Control Operations

- Patrol fireline

8. Special Instructions

- Backhaul trash and excess hose.
- Continue fireline suppression repair.
- Avoid cutting hazard trees that are blazed as property line trees if possible.
- Be prepared for initial attack.

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 167.1125N TX 167.1125N	FS R5 T5	10 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hey [signature]	8/21/2014	21:51

DIVISION ASSIGNMENT LIST	1. Branch	2. Division/Group **Repair Group**
3. Incident Name **Beaver**	4. Operational Period Date: 8/22/14	**DAY OPERATIONS** Time: 0600-2000

5. Operations Personnel

Operations Chief	Steve Burns	Division/Group Supervisor	Shawn Burt (8/24), Clayton Swanger (8/23)
Branch Director		Air Support	Glenn Dietz

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
DOZ2 w/LOWB Bens (E-91)	Boise Laurence	8/29	1	N	DP 54 / 0700	1900
DOZ2 w/LOWB North State (E-133)	William Erickson	9/1	3	N	DP 54 / 0700	1900
WT2 Cattlelack (E-124)	Bob Buck	8/26	2	N	DP 54 / 0700	1900
DOZ2 w/LOWB Bens (E-92)	Kurt Sales	8/30	2	N	DP 54 / 0700	1900
DOZ2 w/LOWB Bens (E-196)	Bill Scarbrough	8/31	2	N	DP 54 / 0700	1900
EXC Peters (E-373)	Mike Peters	8/29	1	N	DP 54 / 0700	1900
EXC Brown's(E-374)	Gary Baugh	8/30	1	N	DP 54 / 0700	1900
EXC Brown Const (E-375)	Joaquin Durazo	8/30	1	N	DP 54 / 0700	1900
EXC Darrah (E-383)	Keith Darrah	8/31	1	N	DP 54 / 0700	1900
EXC Darrah (E-391)	Kens	9/3	1	N	DP 54 / 0700	1900
HEQB (O-257)	James Ballard	8/27	1	N	DP 54 / 0700	1900
HEQB (O-292)	Lucas Birch	8/25	1	N	DP 54 / 0700	1900
HEQB (O-360)	Byron James Haire	8/31	1	N	DP 54 / 0700	1900
HEQB (O-373)	Pete Glover	8/26	1	N	DP 54 / 0700	1900
HEQB (O-376)	Jon Devino	8/23	1	N	DP 54 / 0700	1900
HEQB (O-374)	Garrett Kirpach	9/2	1	N	DP 54 / 0700	1900

7. Control Operations

- Support repair efforts in all divisions.

8. Special Instructions

9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 166.6125 TX 168.4000	NIFC C4	1 Tone 4 (136.5)	Air to Ground	RX 165.4125 TX 165.4125	A/G CMD	12
Tactical Division/Group	RX 166.5500 TX 166.5500	FS R5 T4	9 Tone 4 (136.5)				

Prepared by (Resource Unit Leader)	Approved by (Planning Section Chief)	Date	Time
Rita Mustatia	Walter J. Hyer	8/21/2014	21:10

INCIDENT RADIO COMMUNICATIONS PLAN	Incident Name: BEAVER FIRE CA-KNF-005497	Date/Time Prepared: 08/21/14 2000	Operational Period Date/Time: DAY SHIFT 08/22/14

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	NIFC CMD 4	CMD 4	ALL DIVISIONS	166.6125N		168.4000N	T4, 136.5	A	
2	NIFC CMD 11	CMD 11	ALL DIVISIONS	170.6875N		166.575N	T4,136.5	A	
3	NIFC CMD 41	CMD 41	ALL DIVISIONS	169.3875N		166.6000N	T4, 136.5	A	
4	TACTICAL	NIFC T-1	DIVISION C/E	168.0500N		168.0500N	T4, 136.5	A	
5	TACTICAL	NIFC T-3	DIVISIONS A/W & P	168.6000N		168.6000N	T4, 136.5	A	
6	TACTICAL	NIFC T-5	AVAILABLE	166.7250N		166.7250N	T4, 136.5	A	
7	TACTICAL	NIFC T-6	DIVISIONS K/L	166.7750N		166.7750N	T4, 136.5	A	
8	TACTICAL	NIFC T-7	DIVISIONS Q/T	168.2500N		168.2500N	T4, 136.5	A	
9	TACTICAL	FS R5 T4	REPAIR	166.5500N		166.5500N	T4, 136.5	A	
10	TACTICAL	FS R5 T5	DIVISIONS J & U/V	167.1125N		167.1125N	T4, 136.5	A	
11	TACTICAL	FS R5 T6	AVAILABLE	168.2375N		168.2375N	T4, 136.5	A	
12	AIR TO GROUND	A/G CMD	ALL DIVISIONS	165.4125N		165.4125N		A	BEAVER AIR TO GROUND
13	No Longer Available	A/G TAC	NO ONE	169.6375N		169.6375N		A	**NOT AUTHORIZED FOR USE**
14	ALT COMMAND	BLACK T1	ALL DIVISIONS	168.1750N		171.5250N	T1, 110.9	A	USE IF NIFC COMMAND NETS FAIL
15	CALCORD	CALCORD	MED HELO CONTACT	156.0750N		156.0750N	T6, 156.7	A	
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250N		168.6250N	T1, 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT IF HAND PROGRAMMING USE TONE 1

Prepared by	Incident Location
Phil Shafer, COML NorCal IMT 1 Rick Cartoscelli, COML [signature]	

S 205 – 2007H

MODE A – ANOLOG, D - DIGITAL

INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name	Date/Time Prepared	Operational Period Date/Time
Initial Attack CA-KNF-005497	08/21/14 2000	ANY 08/22/14

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	BLACK	BLK T1	INITIAL ATTACK	168.1750N		171.5250N	T1, 110.9	A	T1 MASE PK
2	BLACK	BLK T2	INITIAL ATTACK	168.1750N		171.5250N	T2,123.0	A	T2 LAKE MT
3	BLACK	BLK T10	INITIAL ATTACK	168.1750N		171.5250N	T10,107.2	A	T10 COLLINS BALDY
4	ORANGE	ORANGET2	INITIAL ATTACK	168.7750N		170.5750N	T2, 123.0	A	T2 LAKE MT
5	ORANGE	ORANGET4	INITIAL ATTACK	168.7750N		170.5750N	T4, 136.5	A	T4 UKONOM
6	ORANGE	ORANGE11	INITIAL ATTACK	168.7750N		170.5750N	T11,114.8	A	T11 SLATER
7	TACTICAL	NIFC T 2	INITIAL ATTACK	168.2000N		168.2000N		A	
8	TACTICAL	R5 T 4	INITIAL ATTACK	166.5500N		166.5500N		A	
9	KNF AG P	KNF AG43	INITIAL ATTACK	167.6000N		167.6000N		A	
10	SISKIYOU LOCAL	SKULOCAL	INITIAL ATTACK	151.3250N		159.3600N	T1,110.9	A	
11	SISKIYOU TAC1	SKU T 1	INITIAL ATTACK	151.1450N		151.1450N	T16,192.8	A	
12	SISKIYOU A/G1	SKU AG 1	INITIAL ATTACK	151.2200N		151.2200N		A	
13	KNF FOR RPT	KNF RPT2	ALTERNATE COMMAND	164.1750N		164.9750N	T2,123.0	A	USE IF NIFC COMMAND NETS FAIL
14	KNF FOR RPT	KNFRPT10	ALTERNATE COMMAND	164.1750N		164.9750N	T10,107.2	A	USE IF NIFC COMMAND NETS FAIL
15	CALCORD	CALCORD	MED HELO CONTACT	156.0750N		156.0750N	T6, 156.7	A	
16	URGENT AIR CONTACT	AIRGUARD	ALL DIVISIONS	168.6250N		168.6250N	T1, 110.9	A	USE ONLY FOR URGENT AIRCRAFT CONTACT IF HAND PROGRAMMING USE TONE 1

Prepared by	Incident Location
Phil Shafer, COML NorCal IMT 1 Rick Cartoscelli, COML Phillip Shafer	

S 205 – 2007H

MODE A – ANOLOG, D - DIGITAL

AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz   Prepared Date: 8/21/2014   Prepared Time: 2000

1. INCIDENT NAME: Beaver CA-KNF-5497	2. OPS PERIOD DATE: 8/22/2014	START TIME: 0800	END TIME: 2100	SUNRISE: 0627	SUNSET: 1958

3. REMARKS (Safety Notes, Hazards, Air Operations, Special Equipment, etc.):
Watch for wires in river canyons.
Beware of rapidly changing VFR conditions due to smoke.
Avoid dipping at the confluence of the Klamath river and Horse creek below bridge.
Practice good communication and airspace deconfliction when operating near Happy Camp TFR or other incidents.

4. READY ALERT AIRCRAFT
MEDEVAC:
H-408KC (Scott Valley)
Guard-820 (Weed)
I.A.: H-7HE

5. TFR #:
No TFR

6. PERSONNEL	NAME	PHONE #
AOBD		
ASGS	Glenn Dietz	530-227-0017
ATGS		
HLCO	Curtis Coots	530-524-5818
HEB2	Jerry Gutierrez	505-259-0522
HEB2(T)	Mike White	575-313-1189
	Oak Knoll Helibase	
Air Ops (ICP)		530-496-1523

7. FREQUENCIES	AM	FM
AIR/ AIR Happy Camp TFR	119.625	
AIR/ AIR RW		
AIR/ AIR RW- FF		
Air to Ground		165.4125
COMMAND rx	See comm	Plan
tx		
DECK		163.1000
TOLC		163.1000

8. FIXED-WING- Type/ Make-Model/ N#/ Base
AIRTANKERS- Ordered by ATGS
LEAD PLANES- Ordered by ATGS
AA-85L Off Duty — **AA-05** KNF - I.A.
AA-507 Happy Camp — **AA-509** July Complex
AA-17V Happy Camp — **AA-69J** July Complex
AA-17 Happy Camp — **AA-112** July Complex
Yreka ECC Aircraft Dispatcher 530-841-4600
OTHER FW AIRCRAFT-

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/ MODEL July Complex	BASE	AVAIL	START	REMARKS
N7HE	3	Astar B3	Hilt	0830			Other Equipment Assigned						

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
Water Dropping		As Needed		
Recon		As Needed		
Airspace Coordination	For aircraft traffic within two miles of Happy Camp TFR make notification on the assigned TFR air to air AM Frequency.	Happy Camp TFR # 4/6671		

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name	2. Operational Period
Beaver	Date/Time: 08/22/2014 – Day Shift

3. Ambulance Services

Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes	No
Happy Camp Medic 21	Division A/W	NIFC C4		X

4. Air Ambulance Services

Name	Phone	Type of Aircraft & Capability
Mercy Flights	(530) 842-3515	BO-105, ALS Night Ops
REACH Helicopter	(530) 842-3515	Bell 407, ALS
PHI, Redding	(530) 842-3515	EC-135, ALS
CHP	(530) 842-3515	Hoist Capabilities
H-408, Kern Co.	(530) 842-3515	Bell UH1H, 24 hr ALS, Night Ops, Hoist Capabilities

5. Hospitals

Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air	Gnd	Phone	Helipad Yes	No	Address
Fairchild Medical Center Level 4 Trauma Center	Lat:	N41 43.198	15 min.	30 min.	(530) 841-6292	X		444 Bruce St. Yreka, CA 96097
	Long:	W122 38.76						
	VHF:							
Mercy Medical Center Mt.Shasta Level 3 Trauma Center	Lat:	N41 15.48	45 min.	1 hr.	(530) 926-6111	X		914 Pine St. Mt. Shasta, CA 96067
	Long:	W122 16.15						
	VHF:							
Rogue Valley Medical Center Level 3 Trauma Center	Lat:	N42 19.08	15 min.	55 min.	(541) 789-7100	X		2825 Barrnett Rd, Medford, OR 97504
	Long:	W122 49.91						
	VHF:							
U.C. Davis Medical Center Level 1 Trauma/Burn Center	Lat:	N38 33.14	1 hr. 45 min.	4 hr. 45 min.	(916) 734-2011	X		2315 Stockton Blvd. Sacramento, CA
	Long:	W121 27.26						
	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

Frontline Medical Quarry Base Camp N41 49.39 W122 58.34	Point of Contact:	Tim Irwin, Landline (530) 496-1536 or Cell (928) 239-0153
	EMS Responders & Capability:	Advanced Life Support / Flight Medic
	Equipment Available on Site:	Medical Supplies
	Ambulance ETA :	Air – 20 min. Ground – 60 min.
Medical Unit Incident Command Post N41 49.20 W122 58.09	Point of Contact:	MEDL(t) Ryan Reginato, Cell (530) 925-1309
	EMS Responders & Capability:	Basic Life Support
	Equipment Available on Site:	Medical Supplies
	Ambulance ETA :	Air – 20 min. Ground – 60 min.

8. Prepared By (Medical Unit Leader)	9. Date/Time	10. Reviewed By (Safety Officer)	11. Date/Time
Ryan Reginato MEDL(t)	08/22/14 2000	Michele Tanzi Michele Tanzi	08/22/14 2000

MEDICAL PLAN (ICS 206 WF)

Medical Incident Report

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

1. CONTACT COMMUNICATIONS, DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"
Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)

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

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

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

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

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
☐ **URGENT-RED Life threatening injury or illness.** *Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.*	Ambulance or MEDEVAC helicopter. Evacuation need is **IMMEDIATE.**
☐ **PRIORITY-YELLOW Serious Injury or illness.** *Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.*	Ambulance or consider air transport if at remote location. Evacuation may be **DELAYED.**
☐ **ROUTINE-GREEN** Not a life threatening injury or illness. *Ex: Sprains, strains, minor heat-related illness.*	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:

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

7. COMMUNICATIONS:

- Run Medical Emergency on COMMAND - Coordinate with air ambulance on CALCORD Tone 6______

8. EVACUATION LOCATION:

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

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

____

____

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

INCIDENT RISK ANALYSIS
Beaver Fire
(ICS 215A) August 22nd, 2014 Day Shift 0600-2000

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	**Medical Emergencies**	• Review and understand Medical Plan in IAP. • Base all operational activities on these three questions o What are we going to do if someone gets hurt? o How will we get them out of here? o How long will it take to get them to a hospital? • If the answers are insufficient, stop, reassess and consider alternate strategies and tactics! • **Review and brief your crews using page 2 in the IRPG.**
ALL	**Hydration & Heat Illness**	• **Pre-hydrate, Re-hydrate! Dehydration is preventable……Drink a minimum 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.** • Ensure your crews take an adequate water/electrolyte supply out to assignment and order more as needed. Take frequent snack breaks to keep blood sugar levels up. • 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. o **Cool patient as quickly as possible!** o Move patient to a cooler location and provide cold water and sports drink. o Actively reduce core temperature through evaporation by fanning patient. o Cover head and neck with wet cloth, increase air movement. o Heat exhaustion is characterized by: Weakness, Extreme Fatigue, Nausea, Dizziness Headaches, clammy skin, persistent muscle cramps, decreased urine output. o Remove Patient from fireline and seek medical attention. • Mental confusion may develop **This is a serious trigger point for the potential onset of Heat stroke.** • Refer to Medical Plan for additional **EMS care and Evacuation**
ALL	**Danger Trees & Procedural Felling Operations**	• Identify, communicate and flag all high-risk DANGER TREES. • Keep personnel out of the high-risk areas until the hazards have been removed • Establish Lookouts when engaged in falling operations. • Scout work area for overhead hazards to ensure safe work areas. • **Mitigate using qualified personnel only.** • Re-assess the need to eliminate the hazard by felling if it is feasible to keep personnel away • If unable to mitigate hazard, **Flag Off area, communicate the location & keep personnel away.** • Review and brief your crews using pages 22, 23 & 79 in 2014 IRPG
ALL	**Driving Hazards**	• **Wildlife is abundant in both the camp and fire area.** • Roads within the burned areas have MANY hazards. Scout prior to committing travel through these areas. Mitigate if capable OR close road entirely until hazards have been mitigated. • Washboard conditions are common on most of the native surface roads. Maintain adequate following distances. **Reduce speed in Developed Areas.** Be watchful of local traffic. • Drive defensively! Expect the unexpected around every curve. • Drive with your headlights on. Look before backing and use backers. • Maintain driving situational awareness. • **SEAT BELTS ON…LIGHTS ON…BEFORE wheels turn!** • **Reduce driving speeds to allow for reaction time lag.** • On dusty/smoky roads, don't follow too closely behind traffic. Allow time for dust/smoke to clear. • Establish one-way traffic or coordinate traffic flow if necessary. • Don't drive when fatigued. Adhere to agency driving regulations and guidelines. • Pedestrians could be anywhere, Keep speeds down
ALL	**Heavy Equipment/Dozers And Chippers**	• Stay 100' in front and 50' behind the equipment. Maintain safe working distances. • If working in Timber increase these distances to 2.5 times the canopy height. • Make eye contact with operator and ensure all implements have been grounded before approaching equipment. • Only the operator is authorized on the equipment. • Avoid working below equipment • Operators utilize appropriate PPE and equipment safety mechanisms. • Utilize observer or spotter. • Ensure the use of communication with operator (radio, hand signals). • Refer to and brief your crews using page 80 in the 2014 IRPG for further precautions for working around heavy equipment. • **When working with chippers, conduct a thorough safety briefing by reviewing & signing the Chipper JHA prior to operations.**

INCIDENT RISK ANALYSIS
Beaver Fire
(ICS 215A) August 22nd, 2014 Day Shift 0600-2000

ALL	**Communications**	• Ensure you have received the most current communications plan, and your radios have been cloned to it before heading out to your work area. **Ensure you are cloned with the IA Group also!** • TEST your radio before you leave camp to ensure you have commo, and then TEST again when you arrive at your work area. • Use human repeaters in areas with sketchy commo. • **Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG**
ALL	**Fire Behavior With Potential Holdovers**	• High rates of spread (ROS) when aligned with wind & topography. • **Ensure a solid anchor point and flank.** • **Use experienced LOOKOUTS under these conditions.** • Monitor weather conditions. Be aware of visual indicators (clouds, WX obs., cold front passage) • Maintain adequate escape routes and safety zones. Set trigger points when appropriate. Communicate any changes. • **Lightning Holdovers could still exists....."Eyes to the green"**
ALL	**Aircraft Operations**	• 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. • Consider risk vs gain • Ensure use of trained 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.
ALL	**Mop Up**	• Conduct thorough briefing for all personnel (inside the rear cover of IRPG) • Use all required PPE, including eye protection • Maintain proper spacing and overhead clearance • Be alert for danger trees, stump holes, and ash pits • Minimize exposure to smoke and rotate personnel into clean air when practical • Evaluate unburned islands and increase situational awareness
ALL	**Biting, Stinging Insects (Rattle Snakes, Scorpions, Bees, Mosquitoes, Ticks, etc)**	• If allergic to bee stings, let your DIVS & 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.
ALL	**Complacency and Fatigue**	• Don't let your operations fall into the "routine" category. • Maintain situational awareness in all activities. • Be alert for signs of fatigue and take breaks as necessary • Maintain 2:1 work/rest ratio • Monitor incoming resources for level of fatigue

INCIDENT NAME Beaver Fire ICS 215a	DATE PREPARED: **August 21, 2014** TIME PREPARED: **2000 HOURS**	OPERATIONAL PERIOD **Day Shift** **8/22/2014, 0600-2000** Prepared by: Tanzi, Barnhart, Kafka

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

Scenario

COMMUNICATIONS

Effective communication is a critical backbone of safe and successful operations.

- Discuss the factors that can affect radio communication at the incident.

  - Knowledge of the radio issued to the individuals
  - Net control, frequencies
  - Line-of-sight restrictions
  - Antenna polarization effect (direction of the antenna)
  - Minimizing noise interference
  - Wide band narrow band

- How can you mitigate potential problems?

  - Implement effective communication procedures--be brief, clear, concise, and to-the-point.
  - Give a good comprehensive briefing. (Refer to the Briefing Checklist inside the back cover of the Incident Response Pocket Guide.)
  - Confirm that relayed information is received, acknowledged, and understood.
  - Keep a continuous information flow (e.g., updates on weather, fire behavior, work progress; changes in strategy/tactics; arrival of additional resources; solicit feedback).
  - Establish emergency check-in procedures.
  - Provide a minimum of 4 radios per 20-person firefighter crew.

- The Five Communication Responsibilities for All Firefighters:

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

References:

Incident Response Pocket Guide

Fireline Handbook

Interagency Standards for Fire and Fire Aviation Operations
"LCES and Other Thoughts" by Paul Gleason

Human Resource Message

When angry, count to ten before you speak.

If very angry, count to one hundred.

Thomas Jefferson

THINK BEFORE YOU SPEAK!

Beaver Fire 08/22/2014

BEAVER FIRE PHONE LIST

As of 08/17/2014

	ICP NUMBERS	QUARRY NUMBERS	FAX
Incident Commander & Staff			
Incident Commander			
Deputy Incident Commander			
Safety/Comp			
Information	530-331-0737		
Liaison Officer			
Operations			
Ops Chief	530-496-1506		
Air Ops.	530-496-1523		
Helibase			
Planning			
Plans Chief	530-496-1523		
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 Analysist			
Computer Techs			
F/Ban			
Training Specialist	530-496-1525		
Logistics			
Logistics Chief	530-496-1521		530-496-1508
Supply / R & D	530-496-1538	530-496-1537	
Ordering	530-496-1507 / 1508 /1522		530-496-1508
Facilities	530-496-1512	530-496-1531	
Ground Support / Repair	530- 496-1529	530-496-1528	
Communications	530-496-1502		
Medical Unit	530-496-1527		
Security	307-399-7316		
Food Unit		530-496-1531	
Finance			
Finance $ection	530-496-1517	530-496-1526	
Finance $ection			
HRSP	530-496-1540		

The 5-D System for Effective Waterbars

When locating and building waterbars, place them the right **distance** apart, at a **diagonal** to the fireline, so that they **divert,** then **discharge,** then **dissipate** the energy of the flowing water. Be sure to make them deep enough so they'll be durable, and that soil does **not block** the water bar outlet.

Recommended spacing for waterbars on firelines.

Fireline slope %		Maximum Distance Apart (feet)
1– 5	....	200
6 – 20	....	125
21 – 40	....	60
41 – 60	....	40
>60	....	25

Waterbars should be at least 2 pulaski widths wide and 12-24 inches high.

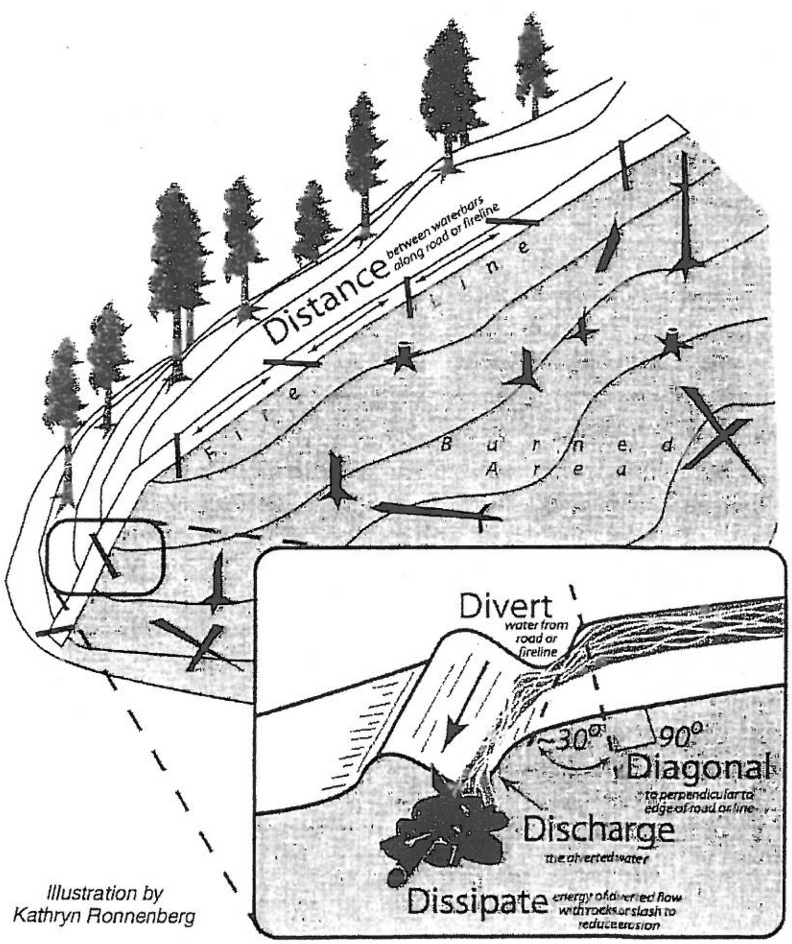

Illustration by
Kathryn Ronnenberg

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	**1,000 Foot Hose Lay includes the following: Amount__________**				
	10, 100'x1½" Rolls Hose; 10, 100'x1" Rolls Hose; 10, 1½" Gated Wyes; 10, 1½" to 1" reducers; 10, 1" nozzles				
2	**2,000 Foot Hose Lay includes the following: Amount__________**				
	20, 100'x1½" Rolls Hose; 20, 100'x1" Rolls Hose; 20, 1½" Gated Wyes; 20, 1½" to 1" reducers; 20, 1" nozzles				
3	**3,000 Foot Hose Lay includes the following: Amount__________**				
	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:	

Interagency Incident Management Team Nor Cal 1