

Corrected

Hough Complex

CA-PNF- 001324

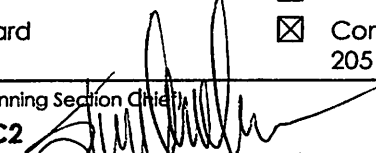

(0511) P5HV99

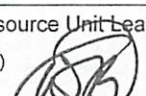
Monday

AUGUST 26, 2013

Day Operational Period

0600 - 1800

INCIDENT OBJECTIVES	1. Incident Name Hough Complex	2. Date Prepared 8/25/2013	3. Time Prepared 1800
4. Operational Period August 26, 2013 Day Operations: 0600-1800			
5. General Control Objectives for the Incident (include alternatives) Management Objectives <ol style="list-style-type: none"> 1. Provide for firefighter and public safety is the highest priority. 2. Maintain a high level of collaboration with local communities, neighboring and cooperating agencies. 3. Implement Suppression Repair per the Hough Suppression Repair Plan. 4. Provide IA response and resources for new starts through the Central Coast Incident Commander. Control Objectives Keep all fires within current fire perimeters.			
6. Weather Forecast for Period See Attached Weather Forecast			
7. General Safety Message See Attached Safety Message			
8. Attachments (mark if attached) <input checked="" type="checkbox"/> Incident Objectives – ICS 202 <input checked="" type="checkbox"/> Division Assignment List – ICS 204 <input checked="" type="checkbox"/> Medical Plan - ICS 206 <input checked="" type="checkbox"/> Organization List - ICS 203 <input checked="" type="checkbox"/> Safety Message <input type="checkbox"/> Human Resource Message <input checked="" type="checkbox"/> Fire Weather Forecast <input checked="" type="checkbox"/> Incident Safety Analysis – ICS 215A <input checked="" type="checkbox"/> Traffic Plan <input checked="" type="checkbox"/> Fire Behavior Forecast <input checked="" type="checkbox"/> Air Ops Summary – ICS 220 <input type="checkbox"/> Incident Map <input type="checkbox"/> Pocket Card <input checked="" type="checkbox"/> Communications Plan - ICS 205 <input checked="" type="checkbox"/> Unit Log – ICS 214			
9. Prepared by (Planning Section Chief) Ann Marx, PSC2 		10. Approved by (Incident Commander) Mark Nunez, ICT2 	

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name HOUGH COMPLEX		Operations Chief (Day)	JOHN ABELL
2. Date Prepared 08/25/13		Planning Ops	VAN ARROYO (T) MARK GOURSON (T)
3. Time Prepared 0851		a. Branch I - Division/Groups	
4. Operational Period 08/26/13 Monday Day Shift 0600 - 1800		Division/Group B / H	JOE SEAN KENNEDY; JOE TIESO (T)
5. Incident Commander and Staff		Division/Group W	JAMES WETTSTAED; MAEVE JUAREZ (T);
Incident Commander	MARK NUNEZ; MARK von TILLOW (T)	Division/Group Y	KEITH AGGSON; DAN FREEH (T)
Deputy	DANA D'ANDREA	Division/Group IA	LEON JEFFREY
Safety Officer	TOM ZEULNER	Division/Group	
Information Officer	HELEN TARBET; MANUEL MADRIGAL	Division/Group	
Liaison Officer	MCGREW; GRAHAM ; WALDRON(T)	b. Branch II - Division/Groups	
6. Agency Representative		Branch Director	
Agency	Name	Deputy	
AGENCY ADMINISTRATOR	KAREN HAYDEN; MICHAEL DONALD	Division/Group	
ALFire	JIM BARRY	Division/Group	
FOREST SAFETY OFFICER	LEE MERCER	Division/Group	
LUMAS NF FIRE CHIEF	STEVE MILLERT	Division/Group	
ES	JOHN CLARY	Division/Group	
7. Planning Section		c. Branch III - Division/Groups	
Chief	ANN MARX	Branch Director	
Deputy	STEVE ANDERSON	Deputy	
Resources Unit	BILL BRICKEY ; PAT CAPRIOLI	Division/Group	
Situation Unit	JOHN GERMANETTI; MIKE HELD	Division/Group	
Documentation Unit	DEBRA RIOS	Division/Group	
Demobilization Unit	DENA FOOSE	Division/Group	
Crime Behavior Analyst	STEWART TURNER	Division/Group	
Human Resource Specialist	CYNDIE GENZMER	d. Air Operations Branch	
Training Specialist	DOUG DICKSON ; TONY AYALA (T)	Air Operations Branch Director	BRAD JOOS
IS Specialist	M.FLEISCHER/W.RANNALS/S.POWELL	Helibase Manager	CURT WARNER
Computer Specialist	SCOTT DANIELS	Air Attack Supervisor	JASON WITHROW
NET	MIKE SMITH	Air Support Supervisor	AL DRIESBACH <i>Curt Warner</i>
		Helicopter Coordinator	
		Air Tanker Coordinator	
8. Logistics Section		10. Finance Section	
Chief	TOM CRAKES	Chief	BONNY JOHNSON (T)
Deputy	JERRY BEAN	Deputy	
Supply Unit	JOHN HARKLEROAD	Time Unit	CASEY BRYSON
Facilities Unit	SCOTT GARDNER / MIKE FARMER (T)	Procurement Unit	
Ground Support Unit	VIC MUZYKA / JOHN SAUNDERS	Compensation/Claims Unit	MILLIE FERGUSON
Communications Unit	DAVID PASCHKE	Cost Unit	
Medical Unit	ROBERT ETHRIDGE/TYE JOHNSON (T)	Prepared by (Resource Unit Leader)	
Security Unit		BILL BRICKEY (RESL) 	
Food Unit	KERRY KELLOGG		



INCIDENT Weather Forecast



FORECAST NO: 9

NAME OF FIRE: Hough Complex

PREDICTION FOR: Monday Day SHIFT

UNIT: Hough RD, Plumas NF

SHIFT DATE: Aug 26, 2013

SIGNED: Mike Smith

TIME AND DATE

Incident Meteorologist

FORECAST ISSUED: 1900 Aug 25, 2013

WEATHER DISCUSSION: The upper level disturbance which brought clouds and a few light showers to the fire area Sunday has moved north of the region and more stable southwest flow has returned. Breezy ridge winds are expected to continue in the afternoons as northern California remains between a trough over the eastern Pacific and a ridge of high pressure over the central U.S. The more stable air will bring nighttime and morning valley inversions but these should break out by mid morning allowing the winds to increase. Slightly lighter winds are expected on Tuesday as high pressure pushes back to the west. Temperatures are expected to warm a bit and with the clear skies...expect daytime humidity to drop although significantly low humidity is not expected. Overnight humidity recovery will remain moderate

*** Breezy ridge winds afternoons and evenings ***

WEATHER FORECAST:

WEATHER: Partly cloudy in the morning becoming mostly sunny. Smokey in the canyons through mid morning.

TEMPERATURES: Maximum temperatures 83 to 90

HUMIDITY: Minimum humidity 21-26%.

20 FT WINDS:

RIDGETOP – Ridge winds south to southwest to 5 with occasional gusts to 10 mph increasing after about 1000 with afternoon winds southwest 8-12 mph with occasional gusts up to 20 mph in the late afternoon. Slightly lighter winds below 5000 feet.

SLOPE/VALLEY – Downslope to downcanyon to 5 mph through about 1000 then winds mainly upslope to upcanyon 3-8 mph but variable with occasional southwest gusts to 12 mph. For upper south slopes...winds southwest 4 to 8 mph with occasional gusts to 14 mph in the afternoon. More variable winds on upper north slopes due to eddy effects.

STABILITY/INVERSION: Shallow morning inversions clearing by mid morning. Moderately stable aloft.

Forecast for Monday Night: Fair skies. Shallow inversions settling in by mid evening. Minimum temperatures 44 to 50. Max RH recovery 48% mid and upper slopes to 80% plus lower elevations. Ridge winds decreasing after sunset becoming south to 5 mph with occasional gusts to 10 mph by mid evening. Slope winds becoming downslope to downcanyon to 5 mph by mid evening.

Outlook Forecast for Tuesday : Sunny. Max Temps 85 to 92. Min RH 18 to 24%. Upper ridge winds becoming southwest 6-12 mph with occasional gusts to 20 mph in the late afternoon. Slightly lighter winds below 5000 feet. Slope winds becoming upslope to upcanyon 3-8 mph with southwest gusts to 12 mph. Variable winds on North slopes.

EXTRA INFORMATION: Sunrise 6:24 Sunset 7:47

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 12	TYPE OF FIRE: Wildfire
FIRE NAME: Hough Complex	OPERATIONAL PERIOD: Day Shift 8/26/2013
DATE ISSUED: August 25, 2013	TIME ISSUED: 2200
UNIT: Plumas National Forest	SIGNED: Stewart Turner FBAN, Drew Page FBAN(T)

INPUTS

WEATHER SUMMARY:

Sky	Partly Cloudy	This morning will start out cool and damp in the 40°s, but warming should be more pronounced after the inversion lifts after 1000 hours. Expect South West winds beginning to build up on the ridge tops. Sky cover will clear out after noon that will allow drying to increase. Sunrise- 0631 hours Sunset- 1955 hours
Winds	8-12 MPH. 20 MPH Gust	
Temperatures	83°-90° F	
Relative Humidity	23-28 %	
P(ig)	76 %	
Fine Dead Fuel Moisture	4 %	
LAL	0 %	
Chance of wetting rain	0 %	

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Another day of drying, though cloudy in the morning, winds will still be present that will allow for fire growth. Yesterday's scattered light precipitation was not adequate enough to affect any of the fuel, so conditions are still present for rapid fire development to occur. The highest probability of ignition of 76% will be at 1400 hours.

GR1 @ 6 Chains per hour. With flame lengths of 1 foot

TU5 @ 11 Chains per hour. With flame lengths of 8 feet

TL6 @ 10 Chains per hour. With flame lengths of 4 feet

SPECIFIC:

Ridge/Johnson:

Continued creeping and smoldering may still be present within the fire perimeter. Expect to find any remaining heat to be under the moist upper layer of fuel. Standing dead may still contain heat in the root base where smoldering material are present.

Initial attack:

Last lightning was five day ago, the sleepers may have passed away at this point. So initial attack would lie more in the urban interface and inhabited areas from human caused ignitions. Fire behavior in the lower range of elevation and along riparian area will have slower rates of spread compared with higher areas on the slope.

AIR OPERATIONS: Inversion will lift after 1000 hours.

SAFETY

Risk Analysis

Initiate all actions based on current and expected fire behavior

- Can the resources you are replacing give you a thorough briefing?
- Can you observe the area, use scouts?
- Have escape routes and safety zones been thoroughly scouted?
- Are they marked for night use?
- Have potential dangers been located, can they be dealt with?
- Access to weather and fire behavior forecast?

Division Assignment List	1. Branch	2. Division/Group B / H
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3. Incident Name HOUGH COMPLEX	4. Operational Period 08/26/13 Monday Day Shift 0600 - 1800
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5. Operations Personnel			
Operations Chief (Day)	JOHN ABELL	Division/Group	JOE SEAN KENNEDY/JOE TIESO (T)
Operations Chief (Night)		Air Attack Supervisor	JASON WITHROW
Planning Ops	VAN ARROYO (T); MARK COURSON (T)	Safety Officer	TOM ZEULNER

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CREW T2IA FIRESTORM 17 (C-13)	BAILEY	20	N	BASE CAMP/0600	BASE CAMP/1800
ENGINET6 FIRESTORM 9908 (E-22)	NEWITT / WILLIS (T)	3	N	BASE CAMP/0600	BASE CAMP/1800
FEMP	CASEY MAYFIELD	1	N	BASE CAMP/0600	BASE CAMP/1800
FEMT	BRINSENDINE	1	N	BASE CAMP/0600	BASE CAMP/1800

7. Control Operations
MOP UP 300' WHERE APPROPRIATE.

8. Special Instructions
**KEDDIE: 12 ac., RUBY: 1 ac., COOKS: .25 ac., EVANS: 15 ac., HUNT: 21 ac., MOUNTAIN: .5ac., BEARDSLEY: .1 ac., 32: .25 ac., DIXIE: 1 ac., PEERLESS: .1 ac., KESSLER: .1 ac., 34: 2 ac., NORTH: .1 ac., CEMETARY: 20' X 20' FIRES BACKHAUL TRASH AND UNUSED EQUIPMENT.
 REHAB / REPAIR HANDLINE WHERE POSSIBLE FOLLOWING REPAIR STANDARDS INCLUDED IN IAP, TO BE COORDINATED WITH RESOURCE ADVISOR.**

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	170.5500	169.9000	5, 6	FOREST NET	1		
Tactical	168.6000	168.6000		NIFC T3	2		
Logistics							
Air to Ground	169.1500	169.1500		AIR/GROUND	9		

Prepared by (Resource Unit Leader) BILL BRICKEY, RESL	Approved by (Planning Section Chief) STEVE ANDERSON PSC2	Date Prepared 08/25/13	Time Prepared 0852
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Division Assignment List	1. Branch <b style="text-align:center;">W	2. Division/Group
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3. Incident Name HOUGH COMPLEX	4. Operational Period 08/26/13 Monday Day Shift 0600 - 1800
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5. Operations Personnel			
Operations Chief (Day)	JOHN ABELL	Division/Group Supervisor	JAMES WETTSTAED; MAEVE JUAREZ (t)
Operations Chief (Night)		Air Attack Supervisor	JASON WITHROW
Planning Ops	VAN ARROYO (T); MARK COURSON (T)	Safety Officer	TOM ZEULNER

6. Resources Assigned this Period					
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Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CREW T2IA FIRESTORM 19 (C-19)	HOWARD/SARTAIN (T)	20	N	BASE CAMP / 0600	BASE CAMP / 1800
ENGINE T3 CA PNF 25	BRENZOVICH <i>Senter</i>	5	N	BASE CAMP / 0600	BASE CAMP / 1800
ENGINE T3 GREENVILLE RANCHERIA	MANNING	5	N	BASE CAMP / 0600	BASE CAMP / 1800
WT T2 CA TNF 22	LOW	2	N	BASE CAMP / 0600	BASE CAMP / 1800
ELB	ALLEN CARRICK	1	N	BASE CAMP / 0600	BASE CAMP / 1800
ALC	RANDY SHAULIS	2	N	BASE CAMP / 0600	BASE CAMP / 1800
SOFR	RON HEINBOCKEL	1	N	BASE CAMP / 0600	BASE CAMP / 1800
EMT	CRAIG PETERSEN	1	N	BASE CAMP / 0600	BASE CAMP / 1800
EMT	FRANK CULHNO	1	N	BASE CAMP / 0600	BASE CAMP / 1800

Control Operations
 MOP UP 300' WHERE APPROPRIATE.

Special Instructions
OHNSON: 150 ac.
 ACKHAUL TRASH AND UNUSED EQUIPMENT.
 EHAB / REPAIR HANDLINE WHERE POSSIBLE FOLLOWING REPAIR STANDARDS INCLUDED IN IAP, TO BE COORDINATED WITH RESOURCE ADVISOR.
 NF ENGINE WILL BE AVAILABLE FOR INITIAL ATTACK

Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	170.5500	169.9000	5, 6	FOREST NET	1		
actical Div/Group	151.1375	151.1375		VTAC 11	4		
ogistics							
r to Ground	169.1500	169.1500		AIR/GROUND	9		

Prepared by (Resource Unit Leader) BILL BRICKEY (RESL)	Approved by (Planning Section Chief) STEVE ANDERSON (PSC2)	Date Prepared 08/25/13	Time Prepared 0852
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Division Assignment List	1. Branch	2. Division/Group Y
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3. Incident Name HOUGH COMPLEX	4. Operational Period 08/26/13 Monday Day Shift 0600 - 1800
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5. Operations Personnel

Operations Chief	JOHN ABELL	Division/Group	KEITH AGGSON / DAN FREEH (T)
Operations Chief		Air Attack Supervisor	JASON WITHROW
Planning Ops	VAN ARROYO (T); MARK COURSON (T)	Safety Officer	TOM ZEULNER

6. Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CREW T2IA FIRESTORM 18 (C-12)	HANKINS	20	N	BASE CAMP/0600	BASE CAMP/1800
ENGINE T3 CA SRF 32	NICHOLSON	5	N	BASE CAMP/0600	BASE CAMP/0600
ENGINE T3 CA PNF 24	<i>King</i>	5	N	BASE CAMP/0600	BASE CAMP/0600
ENGINE T3 CA PNF 22	<i>Brenzovich</i>	<i>5</i>	<i>N</i>	BASE CAMP/0600	BASE CAMP/1800
DOZER T2 CA PNF 3	SHEPHARD	2	N	BASE CAMP/0600	BASE CAMP/1800
WT T2 CA PNF 2	RODRIGUEZ	2	N	BASE CAMP/0600	BASE CAMP/1800
EXCAVATOR		1	N	BASE CAMP/0600	BASE CAMP/1800
HEQB	ZACK CAGLE	1	N	BASE CAMP/0600	BASE CAMP/1800
SOF2	DAVE MORTON	1	N	BASE CAMP/0600	BASE CAMP/1800
FEMT	CRAIG PETERSEN	1	N	BASE CAMP/0600	BASE CAMP/1800
FEMT	CASEY MAYFIELD	1	N	BASE CAMP/0600	BASE CAMP/1800

7. Control Operations

MOP UP 300' WHERE APPROPRIATE.


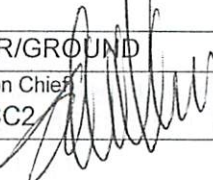
8. Special Instructions

RIDGE / HEIGHT: 228 ac.,

 BACKHAUL TRASH AND UNUSED EQUIPMENT.
 REHAB / REPAIR HANDLINE WHERE POSSIBLE FOLLOWING REPAIR STANDARDS INCLUDED IN IAP, TO BE COORDINATED WITH RESOURCE ADVISOR.

9. Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	170.5500	169.9000	5, 6	FOREST NET	1		
Tactical	166.7750	166.7750		NIFC T6	5		
Logistics							
Air to Ground	169.1500	169.1500		AIR/GROUND	9		

Prepared by (Resource Unit Leader) BILL BRICKEY, RESL 	Approved by (Planning Section Chief) STEVE ANDERSON, PSC2 	Date Prepared 08/25/13	Time Prepared 0852
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Division Assignment List

1. Branch

IA

2. Division/Group

3. Incident Name

HOUGH COMPLEX

4. Operational Period

08/26/13 Monday Day Shift 0600 - 1800

5.

Operations Personnel

Operations Chief

JOHN ABELL

Division/Group

LEON JEFFERY

Operations Chief (Night)

Air Attack Supervisor

JASON WITHROW

Planning Ops

VAN ARROYO (T); MARK COURSON (T)

Safety Officer

TOM ZEULNER

6.

Resources Assigned this Period

Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time
CREW H-506	TURNER	12	N	BASE CAMP / 0600	BASE CAMP / 1800
DOZER T2 CA KNF 1	MURIEEN	2	N	BASE CAMP / 0600	BASE CAMP / 1800
<i>ENGINE T6 PNF P-21</i>	<i>FOSTER</i>	<i>1</i>	<i>N</i>	<i>In Station</i>	
<i>ENGINE T6 PNF P-22</i>	<i>JESICA</i>	<i>1</i>	<i>N</i>	<i>In Station</i>	

Control Operations
 MAINTAIN READINESS FOR IA FROM ASSIGNED STATIONS.

Special Instructions
 NOTE DROP OFF AND PICK UP POINTS.

Division/Group Communications Summary

Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	170.5500	169.9000	5, 6	FOREST NET	1		
actical	168.2000	168.2000		NIFC T2	8		
ogistics							
ir to Ground	169.1500	169.1500		AIR/GROUND	9		

Prepared by (Resource Unit Leader) *[Signature]* Approved by (Planning Section Chief) *[Signature]* Date Prepared **08/25/13** Time Prepared **0852**
 ILL BRICKEY (RESL) STEVE ANDERSON (PSC2)

AIR OPERATIONS SUMMARY

Prepared By: Joos

Prepared Date: 8/25/13 Prepared Time: 2200

1. INCIDENT NAME: **Hough CPLX**

2. OPERATIONAL PERIOD DATE: 8/26/13

START TIME: 0800

END TIME: 2024

SUNRISE: 0622

SUNSET: 1952

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): <i>Visibility - Smoke. (Check with ATGS)</i> Flight Hazards- Snags and tight dip sites and drop sites <i>Cables and Powerlines across rivers</i> Down Drafts from Thunderstorms Fly all missions with landing lights on. Keep foam and retardant out of waterways, including dry river beds. On order:						4. MEDIVAC AIRCRAFT Incident medevac: Follow Hough Medical Plan	5. TFR: In Place A-35 TFR for 119.075AM NOTAM 3/5045 40* 07' 12" 120* 52'06" 10,000'MSL @ 9NM centerpoint
6. PERSONNEL						8. FIXED-WING Avail/Type/Make-Model/ FAA N# / Base(s)	
AOBD	NAME Brad Joos	Phone # 805-886-6970	7. FREQUENCY Command Rptr	AM	FM 170.550 RX 169.900 TX Tone 6	AA: 06 Chester (To be released at end of shift 1900 hrs)	
ASGS (t)	Curt Warner	805-478-1231				Air Tankers ; None assigned, needs coordinated thru Forest via Region	
ATGS	Jason Withrow	530-206-6955	RW A/A Tactics	119.075		Lead Planes:	
ATGS			FW A/A Tactics		170.000		
			Air to Ground		169.150		
HEB1:			DECK		163.100	Helibase located at Gasner Airport, Quincy, CA	
Flight Following & TOLC							
Ground to Air Emergency Only			Air Guard		168.6250		
Plumas ECC Dispatch		530-283-7833					

Special Equipment

HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAL	START	REMARKS
H-506	II	Bell 210	Quincy Airport	0730	0800								

9. TASK/MSSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO OR INTSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Air Tactical	Provide coverage as needed over incident by ATGS. ATGS to coordinate rotor and fixed wing A/C use and flight following over the fire. Monitor all divisions and new starts.	0800	Chester	Fire
Dropping Retardant: Air Tankers	FW air tankers as ordered by DIVS/OPS to ATGS. Support operations as necessary.	When requested		Fire
Recon	Morning recons for Ops and Divs, once inversion lifts and clear air. Fly out of <u>Johnson Ranch</u> . Need helitack to staff helispot H-1 at the ranch	TBA	Johnson Ranch	Fire
Mapping/Infrared	Daily mapping flights. Use H-1 (N40 05.115 W120 52.102 Elev 3523ft) at Johnson Ranch	TBA	Johnson Ranch	Fire
Transport of Personnel				
Cargo Transport				
Dip Site Names and Locations	<u>Establish Dip Site Manager @ Assigned sites.</u> <u>Record times and gallons!!!</u> <u>Get Lat and Longs of all dip sites</u>		Quincy Helibase	Fire
I.A.	ATGS to manage new starts with Ops and PNF ECC.	As requested through Ops	Quincy Helibase	IA

Hough Complex – Safety Message

INCIDENT: # CA-PNF-001324

DATE: 08-26-13

TIME: 0600 – 1800 DAY

Major Hazards and Risks:

Environment

- Rugged steep terrain
- Rolling rocks and other materials
- Dehydration – drink plenty of water
- Watch for snags on the line, roads and in camp. Mark them and make them known to your crews!

Human Factors

- Fatigue – We are all tired so help look out for each other
- Complacency – Do not let your guard down/ stay vigilant
- When driving keep speeds at posted limits, seatbelts on and your headlights on
- Distracted driving is a leading cause of vehicle accidents
- Wash hands before eating and cover your mouth when you sneeze

Animals, Insects and Other Pests

- Ticks (Lyme Disease), Bees (aggressive), Mice (Hanta Virus), Rattle Snakes, Mountain Lions and Bears
- Numerous Deer on public roads during early morning and early evenings trying to hit your vehicle

Firefighting Stress—Wildland firefighters are exposed to many stresses that can affect their health and influence their immune systems. In addition to the psychological challenges of firefighting, a number of physical challenges (such as environmental toxins, injuries, smoke inhalation, and burns) could cause the immune system to be suppressed. Although many studies have evaluated the effectiveness of equipment for wildland firefighters, none has focused directly on the health of the firefighter's immune system. Mark Vore of the Idaho Panhandle National Forests analyzed 1994 Northern Rockies fire camp medical records. He found that 30 to 50 percent of the visits to medical tents were for upper respiratory problems, including coughs, colds, and sore throats. A team investigating fatigue and stress during the 2000 fire season noted similar results. A number of factors in the firefighting environment influence immune function and the body's susceptibility to respiratory and other illnesses. Upper respiratory problems can be due to fatigue, stress, smoke exposure, inadequate nutrition, or a combination of stresses. Rapid weight loss and sleep deprivation have also been associated with decreased immune function.



Stress Reactions

- Communication deteriorates or grows tense.
- Habitual or repetitive behaviors.
- Target fixation – Locking into a course of action, whether it makes sense or not, just try harder.
- Action tunneling – Focusing on small tasks, but ignoring the big picture.
- Escalation of commitment – Accepting increased risk as completion of task gets near.

Incident Safety Officers: Tom Zeulner SOF2 / Lee Mercer- Forest Safety Officer

HOUGH COMPLEX INCIDENT ANALYSIS (ICS 215a)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	COMMUNICATIONS	<ul style="list-style-type: none"> Maintain prompt communications with your forces, your supervisor and adjoining forces
ALL	MINES	<ul style="list-style-type: none"> Stay on assignment , do not wander off Focus on the terrain while walking Stop often and look for irregularities in the terrain, - ex. Collapses GPS spot, contact division, flag it off and ensure others notified
ALL	HAZARD TREES	<ul style="list-style-type: none"> Follow Hazard Tree Safety Guidelines IRPG p.20 Limit number of personnel around snags and their exposure time; fallers must be qualified for trees being fallen. Be especially alert around snags during wind events. Check for hazard trees & "widow-makers. Look up and live.
ALL	HAZARDOUS WEATHER	<ul style="list-style-type: none"> Keep informed on fire weather conditions and forecasts Watch for changes in wind direction and intensity Observe build-up of clouds and be ready for downdrafts
ALL	FIRE BEHAVIOR	<ul style="list-style-type: none"> Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift. Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate. Adhere to 10 Std Fire Orders, mitigate 18 situations that shout... Maintain Situational Awareness. LCES in place always.
ALL	FATIGUE	<ul style="list-style-type: none"> Be alert for signs of fatigue and take breaks as necessary. Maintain 2:1 work/rest ratio. Monitor incoming resources for level of fatigue. Drink plenty of fluids before, during and after your shift Stay alert for signs of heat exhaustion
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> Keep personnel out of drop zones. Use air-to-ground frequency to communicate with aircraft. Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective. Don't engage in "heli-mopping" if possible. Eliminate unnecessary pilot exposure.
ALL	LINE CONSTRUCTION	<ul style="list-style-type: none"> Utilize Risk Management Process IRPG p.1. Ensure LCES in place prior to engagement IRPG p. 6. Establish adequate safety zones IRPG p.7. Use Downhill Line Checklist, IRPG p. 8. Follow "Look Up, Look Down, Look Around" procedures IRPG p. 2-3
ALL	INITIAL ATTACK	<ul style="list-style-type: none"> Do the Risk Management process prior to any engagement, IRPG p.1 LCES will be in place during any operation. This country requires you to LOOK UP, LOOK DOWN AND AROUND. The weather can change instantly, always be observant. Base all actions on current and expected fire behavior Possible long drive times to Initial Attack assignments
	DATE PREPARED: August 25, 2013	OPERATIONAL PERIOD 0600 - 1800 DAY Shift 08/26/13 Prepared by T. Zeulner SOF 2, Lee Mercer –Forest Safety Officer
	TIME PREPARED: 1900 hrs	

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name Hough Complex			Date/Time Prepared 8/25/13 2030 HRS			Operational Period Date/Time 8/26/1 0600-1800		
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode	Remarks	
1	COMMAND	FOREST NET	ALL DIVISIONS	170.5500 N		169.9000 N		A	T5-Kettlerock/T6-Mt.Hough	
2	TACTICAL	NIFC T3	DIVISION B/H	168.6000 N		168.6000 N		A		
3	TACTICAL	NIFC T5	DIVISION W	166.7250 N		166.7250 N		A		
4	TACTICAL	VTAC 11	CONTINGENCY	151.1375 N		151.1375 N	156.7	A	MUST USE T6 TO TX	
5	TACTICAL	NIFC T6	DIVISION Y	166.7750 N		166.7750 N		A		
6	TACTICAL	NIFC T7	STR GRP	168.2500 N		168.2500 N		A	UNSTAFFED	
7	TACTICAL	VTAC 13	CONTINGENCY	158.7375 N		158.7375 N	156.7	A	MUST USE T6 TO TX	
8	TACTICAL	NIFC T2	INITIAL ATTACK	168.2000 N		168.2000 N		A		
9	AIR TO GROUND	AIR/GRND	ALL DIVISIONS	169.1500 N		169.1500 N		A		
10										
11										
12										
13										
14										
15	CALCORD	Medical	CALCORD	156.0750 N		156.0750 N	156.7	A	A/G MEDICAL EMERGENCIES TONE 6	
16	Air Guard	Guard	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	Ground to Air EMERGENCY ONLY TONE 1	
5. Prepared by (Communications Unit) David Paschke, COML <i>David Paschke 25C2</i>					Incident Location County Plumas State CA Latitude N Longitude W					

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (Project 25) **Last Clone 08-22**

MEDICAL PLAN ICS 206	1. INCIDENT NAME Hough Complex	2. DATE PREPARED 08/25/13	3. TIME PREPARED 0930	4. OPERATIONAL PERIOD DATE / TIME	
				08/26/13	0600 - 1800

5. INCIDENT MEDICAL AID STATIONS			
MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
Medical Unit	Base Camp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

6. TRANSPORTATION			
A. MEDEVAC SERVICES			
NAME	LOCATION	PHONE	PARAMEDICS
			YES NO
Mountain Life Lite 5	650 Ash St. Susanville	530-257-2444	<input checked="" type="checkbox"/> <input type="checkbox"/>
Enloe Flight Care (NVG)	Enloe Medical Center, Chico	800-344-1863	<input checked="" type="checkbox"/> <input type="checkbox"/>
CHP Helicopter (Hoist)	2651 Gold St. Redding	530-225-2040	<input checked="" type="checkbox"/> <input type="checkbox"/>
Army National Guard (Hoist, NVG)	Redding Airport, Redding Ca	Hough Comm	<input checked="" type="checkbox"/> <input type="checkbox"/>
Raven - Washoe County Sheriff's (Hoist, NVG)	Reno-Stead, Nv	775-785-4228	<input type="checkbox"/> <input checked="" type="checkbox"/>

B. AMBULANCES			
NAME	LOCATION	PARAMEDICS	
		YES	NO
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME From ICP		PHONE	HELIPAD		BURN CENTER	
		AIR	GROUND		YES	NO	YES	NO
Plumas District Hospital Minor Trauma	1065 Bucks Lane, Quincy, Ca. N39° 56.41' x W120° 57.72'	15 Min	40 Min	530-283-2121 (ER)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Enloe Medical Center Level 2	1531 Esplanade, Chico, Ca. N39° 44.78' x W121° 51.03'	45 Min	2 Hr	916-786-3033 (ER)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UC Davis Medical Center Level 1	2315 Stockton Blvd. Sacramento N38° 33.2907', W121° 27.3771'	Min	3 Hr	916-734-3892 (ER)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Renown Health Medical Level 2	1155 Mill St. Reno N39° 13.6853' x W121° 2.8323'	45 Min	2 Hr	775-982-4144 (ER)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

8. MEDICAL EMERGENCY PROCEDURES

<p>LINE EMERGENCY</p> <p>Crew Supervisor to contact Division Supervisor with complaint and Location.</p> <ul style="list-style-type: none"> Division Supervisor Contacts: <ol style="list-style-type: none"> Line EMT Communications Unit Communications Unit contacts: <ol style="list-style-type: none"> Medical Unit Operations Air Operations / Helibase Safety Liaison Division Supervisor will designate Point of Contact who will run emergency on command channel Communication Unit will clear command channel for emergency traffic Medical Unit <ol style="list-style-type: none"> Arrange proper transportation Notify receiving hospital of injury status. <p>BASE CAMP / ICP EMERGENCY</p> <p>Contact Medical Unit with patient complaint/ condition and location. Medical Unit will respond to stabilize incident:</p> <ul style="list-style-type: none"> Medical Unit contacts: <table border="0"> <tr> <td>1. Communications</td> <td>4. Operation</td> </tr> <tr> <td>2. Safety</td> <td>5. Crew Supervisor</td> </tr> <tr> <td>3. Logistic</td> <td></td> </tr> </table> 	1. Communications	4. Operation	2. Safety	5. Crew Supervisor	3. Logistic		<p>INJURY REPORTING PROCEDURES</p> <p>NATURE OF INJURY _____</p> <p>LOCATION OF PATIENT _____</p> <p>TRANSPORTATION REQUEST BY: AIR _____ GROUND _____</p> <p>AIR FREQUENCY: <u>Medical (Ch 15 on Incident Radio)</u></p> <p>POINT OF PICK UP _____</p> <p>LAT _____ LONG _____</p> <p>PATIENT UNIT ID _____</p> <p>IS EMT WITH PATIENT: YES _____ NO _____</p> <p>AGE: _____</p> <p>SEX: MALE _____ FEMALE _____</p> <p>History: _____</p> <p>Medication: _____</p> <p>Allergies: _____</p> <p>Vitals and other information:</p>
1. Communications	4. Operation						
2. Safety	5. Crew Supervisor						
3. Logistic							

9. PREPARED BY (MEDICAL UNIT LEADER) Tye Johnson MEDL-T Medical: (530) 284-1047	10. REVIEWED BY (SAFETY OFFICER) Tom Zeulner SOF2
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Human Resource Message

Hough Complex
August 26, 2013

Transition!

The only thing that remains constant on an Incident is that nothing remains constant. The Management Team on the Incident is about to change. Crews are rotating in and out.

Be respectful and take care of yourselves and those around you!

CYNDIE GENZMER
Human Resource Specialist
805.550.0274

Effective Waterbars

When locating and building waterbars, place them the right distance apart, at a diagonal to the fireline, so they divert, then discharge, then dissipate the energy of flowing water. Be sure to make them deep enough so they are durable, and that soil does not block the water bar outlet. The length of the waterbar should extend a minimum of 3 feet beyond the fireline. Waterbars should drain into unburned vegetation or rocks.

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

Specifications for Road Waterbars

Preserve existing cross section when surface. Eliminate surface irregularities and leave surface in a free draining and smooth state to facilitate traffic. Return Shoulder or Turnout surface material to the Traveled Way. Conduct blading operations to prevent the loss of surface material and to provide for a thorough mixing of the material being worked.

Apply water taken from Water Sources during blading if sufficient moisture is not present to cut, mix or compact the surface material.

On native surfaced roads, blend material generated from backslope sloughing and ditch cleaning with the surface material being worked. On aggregate surfaced roads do not blend material with surface or base course material unless approved by READ.

Repair berms by placing material as needed to restore to a reasonable blend with existing line, grade, and cross section.

Clean & maintain drainage dips and lead-off ditches to reasonably blend with existing line, grade and cross sections.

Blade intersecting roads for a distance of 50 feet to assure proper blending of the two riding surfaces.

Remove rocks or other material from the Traveled Way larger than 4 inches in diameter, or larger than the maximum size of imported surfacing after the final pass from the Traveled Way. Do not side cast into streams, wetlands, lakes or water courses

Remove any material generated from road work on or in structures, such as culverts, overside drains, cattle guards, ditches, Drainage Dips, and the like. Report any damaged culverts or structures to your Division, Resource Advisor or Agency Administrator.

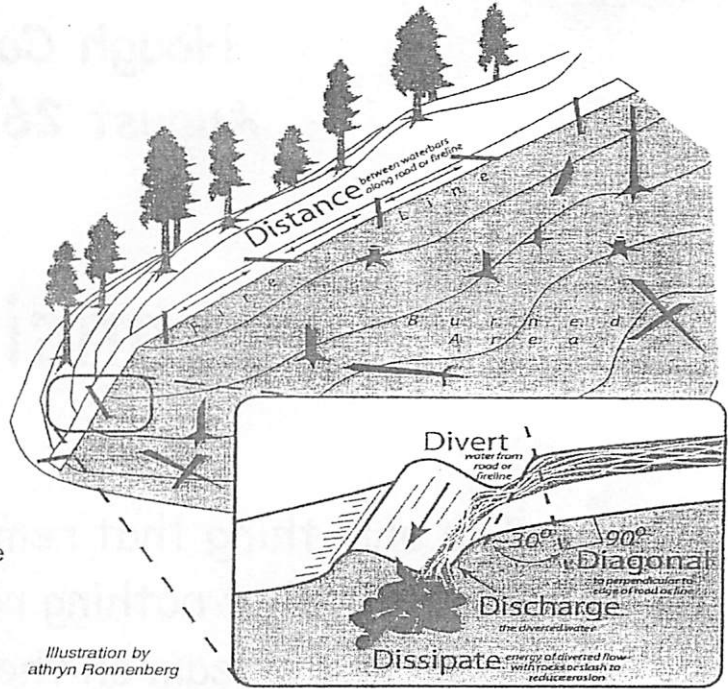
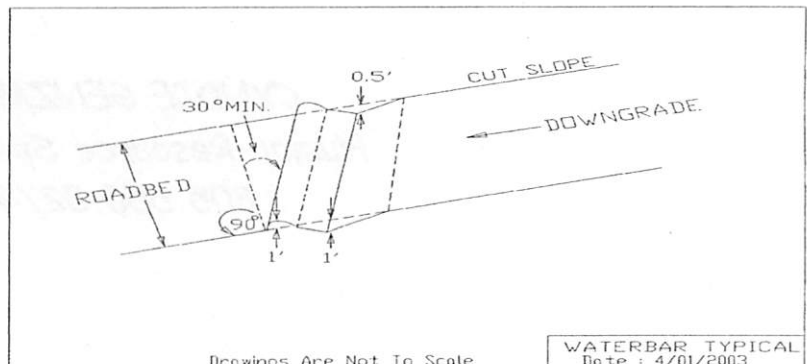


Illustration by
athryn Ronnenberg

Waterbars should be at least 2 pulaski (4 to 6 inches) widths wide & 12 to 24 inches high



Drawings Are Not To Scale

WATERBAR TYPICAL
Date : 4/01/2003

HOUGH COMPLEX PHONE LIST

IC / Safety	530-284-7596
Operations	530-284-6685
PIO	530-284-7120
PIO	530-284-1815
Resource / Demob	530-284-1582
Finance	530-284-7068
Med Unit	530-284-1047
Comm Unit	530-284-1824
Plans	530-284-0823
Supply / Ordering	530-284-6238
Situation	530-284-1856
Weather	530-284-0915
Ground Support	805-558-6090
Logistics	805-878-1369
Facilities	323-855-0054

TIME

MAJOR EVENTS