

*Corrected*

# Hough Complex

CA-PNF-001324

(0511) P5HV99

*AUGUST 25, 2013*

*Day Operational Period*

*0600 - 1800*

<b>Incident Objectives</b>	1. Incident Name	2. Date Prepared	3. Time Prepared
	HOUGH COMPLEX	08/24/13	1343

4. Operational Period  
08/25/13 Sunday Day Shift 0600 - 1800

5. General Control Objectives for the incident (include alternatives)

**Management Objectives**

1. Provide for firefighter and public safety as the highest priority.
2. Provide and coordinate protection of structures, timber lands, and infrastructure on public and private lands within the complex.
3. Provide timely information, notification and communications regarding fire activity and effects on air quality.
4. Minimize effects of fire and fire suppression activities on sensitive resources through effective use of resource advisors and close collaboration with cooperators and administering agencies.
5. Resource advisors and close collaboration with cooperators and administering agencies.
6. Maintain a high level of collaboration with local communities, neighboring and cooperating agencies.
7. Minimize disruption to local economies with local communities, neighboring and cooperating agencies.
8. Provide IA response and resources for new starts through the Central Coast Incident Commander.

**Control Objectives**

Suppress fires within the complex in the smallest area that can be safely accomplished with available resources.

5. Weather Forecast for Period

**See Attached Weather Forecast**

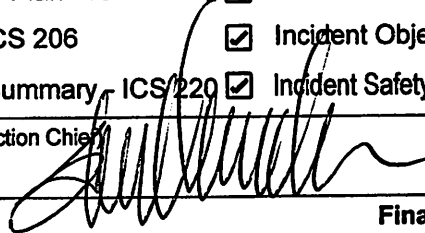
7. General Safety Message

**See Attached Safety Message**

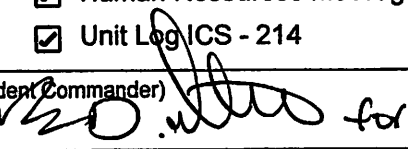
8. Attachments (mark if attached)


- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Organization List - ICS 203      | <input type="checkbox"/> Incident Map                                  | <input checked="" type="checkbox"/> Fire Behavior Forecast  |
| <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204  | <input checked="" type="checkbox"/> Safety Message                     | <input type="checkbox"/> Fire Information Message           |
| <input checked="" type="checkbox"/> Communications Plan - ICS205     | <input type="checkbox"/> Traffic Plan                                  | <input checked="" type="checkbox"/> Fire Weather Forecast   |
| <input checked="" type="checkbox"/> Medical Plan - ICS 206           | <input checked="" type="checkbox"/> Incident Objectives - ICS 202      | <input checked="" type="checkbox"/> Human Resources Message |
| <input checked="" type="checkbox"/> Air Operations Summary - ICS 220 | <input checked="" type="checkbox"/> Incident Safety Analysis - ICS 215 | <input checked="" type="checkbox"/> Unit Log ICS - 214      |

9. Prepared by (Planning Section Chief)  
**Steve Anderson PSC2**



10. Approved by (Incident Commander)  
**Mark Nunez ICT2**



ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name <b>HOUGH COMPLEX</b>		Operations Chief (Day)	JOHN ABELL / MARK SMITH (T)
2. Date Prepared 08/24/13		3. Time Prepared 2036	Planning Ops VAN ARROYO (T) / MARK COURSON (T)
4. Operational Period 08/25/13 Sunday Day Shift 0600 - 1800		a. Branch I - Division/Groups	
Position	Name	Division/Group <b>B / H</b>	JAMES WETTSTAED; JOE TIESO (T)
5. Incident Commander and Staff		Division/Group <b>W</b>	BERT PLANTE; MAEVE JUAREZ (T);
Incident Commander	MARK NUNEZ; MARK von TILLOW (T)	Division/Group <b>Y</b>	KEITH AGGSON; DAN FREEH (T)
Deputy	DANA D'ANDREA	Division/Group <b>IA</b>	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	
CALFire	JIM BARRY	Division/Group	
FOREST SAFETY OFFICER	LEE MERCER	Division/Group	
PLUMAS NF FIRE CHIEF	STEVE MILLERT	Division/Group	
RES	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	
Fire 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
GIS Specialist	M.FLEISCHER/W.RANNALS/S.POWELL	Helibase Manager	CURT WARNER
Computer Specialist	SCOTT DANIELS	Air Attack Supervisor	JASON WITHROW
MET	MIKE SMITH	Air Support Supervisor	AL DRIESBACH
8. Logistics Section		Helicopter Coordinator	
Chief	TOM CRAKES	Air Tanker Coordinator	
Deputy	JERRY BEAN	10. Finance Section	
Supply Unit	JOHN HARKLEROAD	Chief	BONNY JOHNSON (T)
Facilities Unit	SCOTT GARDNER / MIKE FARMER (T)	Deputy	
Ground Support Unit	VIC MUZYKA / JOHN SAUNDERS	Time Unit	CASEY BRYSON
Communications Unit	DAVID PASCHKE	Procurement Unit	
Medical Unit	ROBERT ETHRIDGE/TYE JOHNSON (T)	Compensation/Claims Unit	MILLIE FERGUSON
Security Unit		Cost Unit	
Food Unit	KERRY KELLOGG	Prepared by (Resource Unit Leader) BILL BRICKEY (RESL) 	



## INCIDENT Weather Forecast



FORECAST NO: 8

NAME OF FIRE: Hough Complex

PREDICTION FOR: Sunday Day SHIFT

UNIT: Hough RD, Plumas NF

SHIFT DATE: Aug 25, 2013

SIGNED: Mike Smith

TIME AND DATE

Incident Meteorologist

FORECAST ISSUED: 1900 Aug 24, 2013

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**WEATHER DISCUSSION:** An upper level trough and weak frontal band moving into northwest California will bring breezy southwest winds to the fire area from late morning into the evening hours. On north and east aspects...this could translate to fairly variable winds due to eddie effects. Humidity values will come up a bit with a slight cool down but conditions will become a bit more unstable. Inversions will be fairly shallow tonight due to decreased stability and increased upper level winds but surface winds should drop off by late evening. Another weak frontal system dropping into the eastern Pacific will keep winds on the breezy side on Monday as well with slightly elevated humidity continuing.

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

### WEATHER FORECAST:

**WEATHER:** Partly to mostly cloudy skies. Smokey in the canyons through mid morning.

**TEMPERATURES:** Maximum temperatures 80 to 86.

**HUMIDITY:** Minimum humidity 20-25%.

#### 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 9-15 mph with gusts up to 20 mph. Some gusts up to 25 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 15 mph. For upper south slopes...winds southwest 5 to 10 mph with occasional gusts to 15 mph in the afternoon. More variable winds on upper north slopes due to eddy effects.

**STABILITY/INVERSION:** Shallow morning inversions clearing by mid morning. Slightly less stable conditions.

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**OUTLOOK FOR Sunday Night:** Partly to mostly cloudy skies. Shallow inversions settling in by late evening. Minimum temperatures 42-50. Max RH recovery 65 to 75% mid and upper slopes to 80% plus lower elevations. Ridge winds decreasing after sunset becoming south to southwest to 5 mph with occasional gusts to 10 mph by midnight. Slope winds becoming downslope to downcanyon to 5 mph after midnight.

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**Extended Forecast FOR Monday:** Partly cloudy in the morning becoming mostly sunny. Max Temps 83 to 90. Min RH 18 to 24%. Upper ridge winds becoming southwest 8-15 mph gusts to 20 mph. Slope winds becoming upslope to upcanyon 3-8 mph with southwest gusts to 15 mph. Variable winds on North slopes.

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**EXTRA INFORMATION:** Sunrise 6:24 Sunset 7:47

# FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 11	TYPE OF FIRE: Wildfire
FIRE NAME: Hough Complex	OPERATIONAL PERIOD: Day Shift 8/25/2013
DATE ISSUED: August 24, 2013	TIME ISSUED: 2200
UNIT: Plumas National Forest	SIGNED: Stewart Turrer FBAN, Drew Page FBAN(T)

## INPUTS

### WEATHER SUMMARY:

Sky	Partly Cloudy	Expect slightly cooler temperatures today due to partial cloud cover. Relative Humidity will be lower, but probability of ignition still remains marginal to high when fine dead fuel are at the lowest around 1500 hrs. Winds will be gusting higher today out of the Southwest.
Winds	SW 9-15 MPH Gust up to 25 MPH	
Temperatures	80°-86°F	
Relative Humidity	20-25 %	
P(ig)	75%	
Fine Dead Fuel Moisture	4%	
LAL	1	
Chance of wetting rain	0%	

## OUTPUTS

### FIRE BEHAVIOR

#### GENERAL:

Today expect another day of drying and consumption of available fuels, with stronger winds but cooler temperatures.

#### SPECIFIC:

##### Ridge/Johnson:

Overall fire activity is expected to remain low, existing mostly as a smoldering-type fire in the surface fuels and partially decomposed larger size down woody debris. Smoldering fire that spreads underneath scattered accumulations of smaller size fuels may result in some flames but chance for any extensive fire spread and/or tree torching activity is low. Fires with open flame have potential to creep if there is dead down fuels with at least a 50% amount of smaller size particles (3 inches and under).

##### Initial attack:

Hold overs are still expected to be present in the response area. Be mindful that fuel moisture is low at 4% and stronger winds are forecasted with gust up to 25 MPH. Fire behavior will be dependent on fuels, weather and topography, so gain good situational awareness prior to suppression of any new starts. On exposed steep terrain that have alignment with SW winds, expect these rates of spread:

GR5 @ 68 Chains per hour. With flame lengths of 10 feet

TU5 @ 26 Chains per hour. With flame lengths of 12 feet

TL6 @ 26 Chains per hour. With flame lengths of 6 feet

**AIR OPERATIONS:** With the inversion lifting around 1000 Hours any aviation resources will have good visibility for the remainder of the day, but may be impacted by smoke production from other fires.

## SAFETY

### Common Denominators of fire behavior on tragedy fires:

- Most incidents happen on the smaller fires or on isolated portions of larger fires.
- Most fires are innocent in appearance before unexpected shifts in wind direction and/or speed results in "flare-ups" or "extreme fire behavior." In some cases, tragedies occur in the mop-up stage.
- Flare-ups generally occur in deceptively light fuels, such as grass and light brush.
- Fires run uphill surprisingly fast in chimneys, gullies, and on steep slopes.
- Some suppression tools, such as helicopters or airtankers, can adversely affect fire behavior. The blasts of air from low flying helicopters and airtankers have been known to cause flare-ups.









<b>Division Assignment List</b>	1. Branch <b>IA</b>	2. Division/Group
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3. Incident Name <b>HOUGH COMPLEX</b>	4. Operational Period <b>08/25/13 Sunday Day Shift 0600 - 1800</b>
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5. Operations Personnel			
Operations Chief	JOHN ABELL / MARK SMITH (T)	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
ENGINE T3 CA PNF 24		5	N	GREENVILLE / 0700	GREENVILLE /
ENGINE T3 CA PNF 323		5	N	QUINCY / 0600	QUINCY / 1800
ENGINE T3 CA PNF 26	POLEN	5	N	GREENVILLE / 0700	GREENVILLE / 1800
ENGINE T3 BOHICA 31	BREGLIA	5	N	BASE CAMP / 0700	BASE CAMP / 2000
ENGINE T3 GREENVILLE RANCHERIA	MANNING	5	N	BASE CAMP / 0600	BASE CAMP / 1800
ENGINE T6 CA PNF PATROL 22	JUSKA	2	N	GREENVILLE / 0700	GREENVILLE / 1800
JOZER T2 CA KNF 1	MURIEEN	2	N	GREENVILLE / 0700	GREENVILLE / 1800
JOZ T2 NORTH STATE (E-24)	GARSDIE	1	N	BASE CAMP / 0600	BASE CAMP / 1800
MT T2 CA PNF 2	SHEPHARD	1	N	GREENVILLE / 0700	GREENVILLE / 1800
<i>ENGINE T3 PNF 25</i>	<i>BRENZOVICH</i>	<i>5</i>	<i>N</i>	<i>" "</i>	<i>" "</i>

7. Control Operations

MAINTAIN READINESS FOR IA FROM ASSIGNED STATIONS.

8. Special Instructions

NOTE DROP OFF AND PICK UP POINTS.

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	168.2000	168.2000		NIFC T2	8		
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 08/24/13	Time Prepared 1629
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*HW*

# AIR OPERATIONS SUMMARY

Prepared By: Joos/ Driesbach

Prepared Date: 8/24/13 Prepared Time: 2200

1. INCIDENT NAME: **Hough CPLX** 2. OPERATIONAL PERIOD DATE: **8/25/13** START TIME: 0800 END TIME: 2024 SUNRISE: 0622 SUNSET: 1952

<b>3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):</b>					<b>4. MEDIVAC AIRCRAFT</b>	<b>5. TFR: In Place A-35</b>
<b>Visibility - Smoke. (Check with ATGS)</b> <b>Flight Hazards- Snags and tight dip sites and drop sites</b> <b>Cables and Powerlines across rivers</b> <b>Down Drafts from Thunderstorms</b> Fly all missions with landing lights on.  Keep foam and retardant out of waterways, including dry river beds.					Incident medevac: Follow Hough Medical Plan	TFR for 119.075AM NOTAM 3/5045  40* 07' 12" 120* 52'06" 10,000' MSL @ 9NM centerpoint
On order:						
<b>6. PERSONNEL</b>	<b>NAME</b>	<b>Phone #</b>	<b>7. FREQUENCY</b>	<b>AM</b>	<b>FM</b>	<b>8. FIXED-WING Avail/Type/Make-Model/ FAA N# / Base(s)</b>
AOBD	Brad Joos	805-886-6970	Command Rptr		170.550 RX 169.900 TX Tone 6	AA: 06 Chester CWN platform N1385L (Cessna 337) (without ATGS)
ASGS	Al Driesbach	805-703-0649				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: HEB1 t:	Curt Warner	805-478-1231	DECK		163.100	Helibase located at Quincy Airport
Flight Following & TOLC						National Guard AAML – Dan Hickey 916-798-3282
Ground to Air Emergency Only			Air Guard		168.6250	
Plumas ECC Dispatch	Barb	530-283-7833				

**Special Equipment:**

- Crash Rescue
- Water Tenders- N/A
- Helo Operations Trailer

**HELICOPTERS (Use Additional Sheets As Necessary)**

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-506	II	Bell 205	Quincy Airport	0730	0800	A-29							
H-553	III	Bell 206	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 <b>Johnson Ranch</b> . 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	<b>Establish Dip Site Manager @ Assigned sites.</b> <b>Record times and gallons!!!</b> <b>Get Lat and Longs of all dip sites</b>		Quincy Helibase	Fire
I.A.	Ship to be assigned per Helibase Mgr. 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: 08-25-13

TIME: 0600 – 1800 DAY

## Major Hazards and Risks:

### Environment

- Higher winds forecasted for Sun, 4 - 8 mph with occasional gusts to 12 mph in the late afternoon
- Temperatures warming with increasing wind activity
- Increasing fire behavior still a possibility
- Possible long range spotting
- Rugged steep terrain / Rolling rocks and other materials
- 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
- Wash hands before eating and cover your mouth when you sneeze
- Dehydration due to increasing temperatures is a factor – drink plenty of fluids and pace yourselves
- Lookouts, Communication, Escape Routes and Safety Zones – make sure they are in place...
- Don't forget to get an anchor point on any initial attack fire

### 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

## RESPECT

**\*Know your subordinates and look out for their well-being • Put the safety of your subordinates above all other objectives. • Take care of your subordinate's needs. • Resolve conflicts between individuals on the team. \*Keep your subordinates informed • Provide accurate and timely briefings. • Give the reason (intent) for assignments and tasks. • Make yourself available to answer questions at appropriate times. \*Build the team • Conduct frequent debriefings with the team to identify lessons learned. • Recognize individual and team accomplishments and reward them appropriately. • Apply disciplinary measures equally. \*Employ your subordinates in accordance with their capabilities • Observe human behavior as well as fire behavior. • Provide early warning to subordinates of tasks they will be responsible for. • Consider team experience, fatigue, and physical limitations when accepting assignments.**



## Hazardous Attitudes

- Invulnerable – That can't happen to us
- Anti-authority – Disregard of the team effort
- Impulsive – Do something even if it's wrong
- Macho – Trying to impress or prove something
- Complacent – Just another routine fire
- Resigned – We can't make a difference
- Group Think – Afraid to speak up or disagree.

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"> <li>• Maintain prompt communications with your forces, your supervisor and adjoining forces</li> </ul>
ALL	MINES	<ul style="list-style-type: none"> <li>• Stay on assignment , do not wander off</li> <li>• Focus on the terrain while walking</li> <li>• Stop often and look for irregularities in the terrain, - ex. Collapses GPS spot, contact division, flag it off and ensure others notified</li> </ul>
ALL	HAZARD TREES	<ul style="list-style-type: none"> <li>• Follow Hazard Tree Safety Guidelines IRPG p.20</li> <li>• Limit number of personnel around snags and their exposure time; fallers must be qualified for trees being fallen.</li> <li>• Be especially alert around snags during wind events.</li> <li>• Check for hazard trees &amp; "widow-makers. Look up and live.</li> </ul>
ALL	HAZARDOUS WEATHER	<ul style="list-style-type: none"> <li>• Keep informed on fire weather conditions and forecasts</li> <li>• Watch for changes in wind direction and intensity</li> <li>• Observe build-up of clouds and be ready for downdrafts</li> </ul>
ALL	FIRE BEHAVIOR	<ul style="list-style-type: none"> <li>• Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift.</li> <li>• Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate.</li> <li>• Adhere to 10 Std Fire Orders, mitigate 18 situations that shout....</li> <li>• Maintain Situational Awareness. LCES in place always.</li> </ul>
ALL	FATIGUE	<ul style="list-style-type: none"> <li>• Be alert for signs of fatigue and take breaks as necessary.</li> <li>• Maintain 2:1 work/rest ratio.</li> <li>• Monitor incoming resources for level of fatigue.</li> <li>• Drink plenty of fluids before, during and after your shift</li> <li>• Stay alert for signs of heat exhaustion</li> </ul>
ALL	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> <li>• Keep personnel out of drop zones.</li> <li>• Use air-to-ground frequency to communicate with aircraft.</li> <li>• Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective.</li> <li>• Don't engage in "heli-mopping" if possible. Eliminate unnecessary pilot exposure.</li> </ul>
ALL	LINE CONSTRUCTION	<ul style="list-style-type: none"> <li>• Utilize Risk Management Process IRPG p.1.</li> <li>• Ensure LCES in place prior to engagement IRPG p. 6.</li> <li>• Establish adequate safety zones IRPG p.7.</li> <li>• Use Downhill Line Checklist, IRPG p. 8.</li> <li>• Follow "Look Up, Look Down, Look Around" procedures IRPG p. 2-3</li> </ul>
ALL	INITIAL ATTACK	<ul style="list-style-type: none"> <li>• Do the Risk Management process prior to any engagement, IRPG p.1</li> <li>• LCES will be in place during any operation.</li> <li>• This country requires you to LOOK UP, LOOK DOWN AND AROUND.</li> <li>• The weather can change instantly, always be observant.</li> <li>• Base all actions on current and expected fire behavior</li> <li>• Possible long drive times to Initial Attack assignments</li> </ul>
	DATE PREPARED: <b>August 24, 2013</b>	OPERATIONAL PERIOD 0600 - 1800 <b>DAY Shift 08/25/13</b>  Prepared by
	TIME PREPARED: <b>2100 hrs</b>	<b>T. Zeulner SOF 2, Lee Mercer –Forest Safety Officer</b>

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name <b>Hough Complex</b>			Date/Time Prepared <b>8/24/13 2030 HRS</b>		Operational Period Date/Time <b>8/25/13 -0600-1800</b>		
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					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\*\*

<b>MEDICAL PLAN</b> ICS 206	<b>1. INCIDENT NAME</b> Hough Complex	<b>2. DATE PREPARED</b> 08/24/13	<b>3. TIME PREPARED</b> 1930	<b>4. OPERATIONAL PERIOD</b> DATE / TIME	
				08/25/13	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><b>LINE EMERGENCY</b></p> <p>Crew Supervisor to contact Division Supervisor with complaint and Location.</p> <ul style="list-style-type: none"> <li>Division Supervisor Contacts:             <ol style="list-style-type: none"> <li>Line EMT</li> <li>Communications Unit</li> </ol> </li> <li>Communications Unit contacts:             <ol style="list-style-type: none"> <li>Medical Unit</li> <li>Operations</li> <li>Air Operations / Hellbase</li> <li>Safety</li> <li>Liaison</li> </ol> </li> <li>Division Supervisor will designate Point of Contact who will run emergency on command channel</li> <li>Communication Unit will clear command channel for emergency traffic</li> <li>Medical Unit             <ol style="list-style-type: none"> <li>Arrange proper transportation</li> <li>Notify receiving hospital of injury status.</li> </ol> </li> </ul> <p><b>BASE CAMP / ICP EMERGENCY</b></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"> <li>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> </li> </ul>	1. Communications	4. Operation	2. Safety	5. Crew Supervisor	3. Logistic		<p><b>INJURY REPORTING PROCEDURES</b></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							

<b>9. PREPARED BY (MEDICAL UNIT LEADER)</b> Tye Johnson MEDL-T <i>Tye Johnson</i> Medical: (530) 284-1047	<b>10. REVIEWED BY (SAFETY OFFICER)</b> Tom Zeulner SOF2 <i>Tom Zeulner</i>
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## Appendix A

### 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. The length of the waterbar should extend a minimum of three 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

*Waterbars should be at least 2 pulaski (4-6 inches) widths wide and 12-24 inches high.*

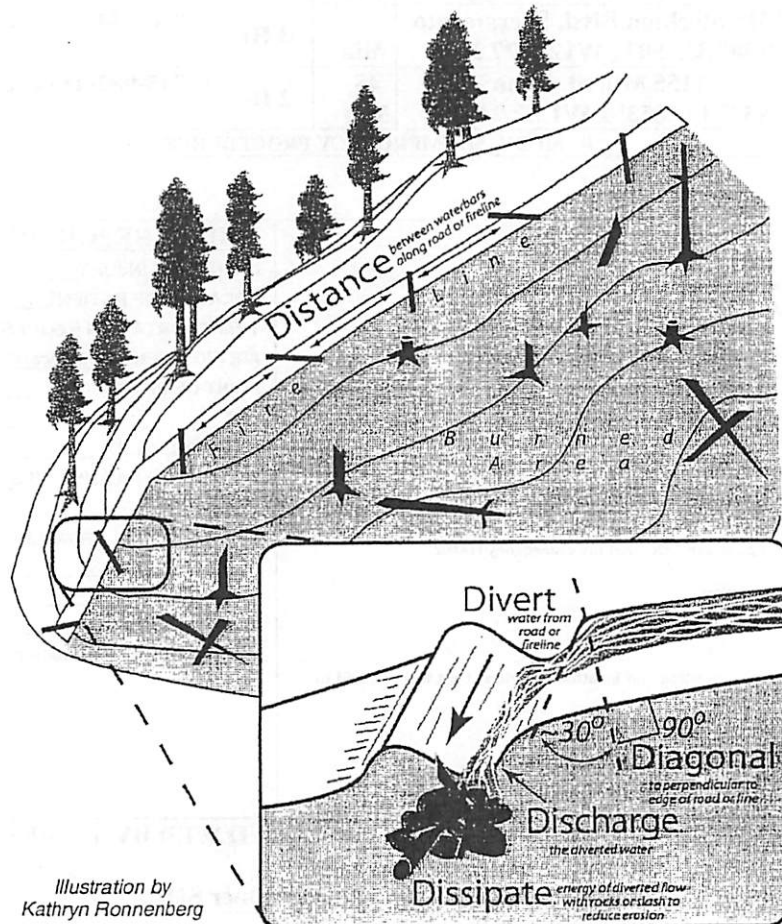


Illustration by Kathryn Ronnenberg



## Appendix B

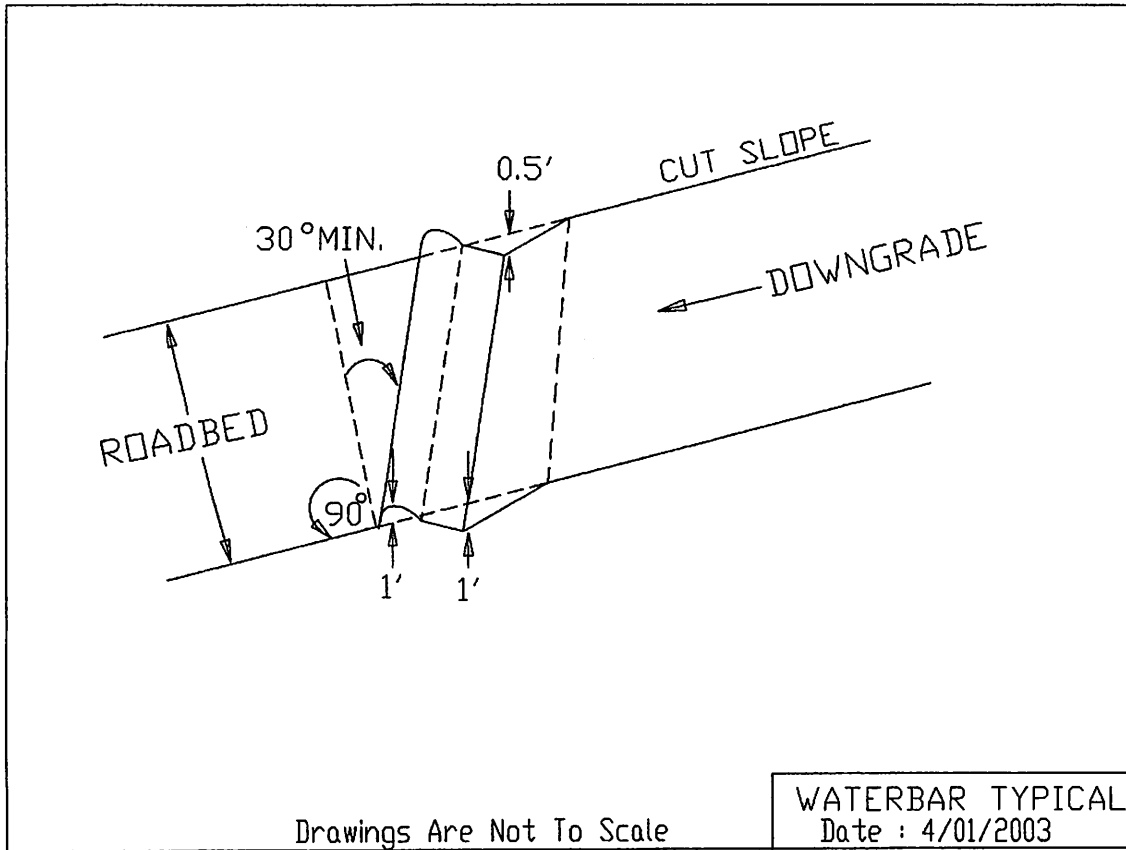
### Waterbars Typical for Roads

Surface blading is keeping a native or aggregate roadbed in a condition to facilitate traffic and proper drainage. It includes maintaining the crown, inslope or outslope of Traveled Way, Turnouts and Shoulder; repairing Berms, blending Approach Road Intersections; and cleaning of Bridge Decks, Drainage Dips and Lead-off Ditches.

#### **Key Specifications:**

1. The surface blading shall preserve the existing cross section. Surface irregularities shall be eliminated and the surface left in a free draining state and to smoothness needed to facilitate traffic. Surface material which has been displaced from the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to prevent the loss of surface material and to provide for a thorough mixing of the material being worked.
2. Water taken from Water Sources shall be applied during blading if sufficient moisture is not present to cut, mix or compact the surface material.
3. On native surfaced roads, material generated from backslope sloughing and ditch cleaning may be blended with the surface material being worked. On aggregate surfaced roads this material shall not be blended with surface or base course material unless otherwise agreed upon with the Forests.
4. Berms shall be repaired by placing material as needed to restore the berm to reasonably blend with existing line, grade, and cross section.
5. Drainage dips and lead-off ditches shall be cleaned and maintained to reasonably blend with existing line, grade and cross section.
6. Intersecting roads shall be bladed for a distance of 50 feet to assure proper blending of the two riding surfaces.
7. Rocks or other material on the Traveled Way after the final pass that are larger than 4 inches in diameter, or are larger than the maximum size of imported surfacing shall be removed from the Traveled Way. Do not side cast into streams, wetlands, lakes or water courses.
8. Material resulting from road work shall not remain on or in the structures, such as culverts, overside drains, cattle guards, ditches, Drainage Dips, and the like. Please report any damaged culverts or structures to your Division and the Resource Advisor or Agency Administrator.

# Waterbars Typical for Roads



## **REGIONAL V INCIDENTS update:**

**CA-TNF American Fire:** 23,729 acres, 67% contained. Expected containment 09/01/2013. IMT 1 (Opliger). Fire is actively burning in an old growth stand of timber with no recorded fire history. Increased fire activity as a result of warming temperatures. The northeastern portion of the fire remains active with moderate rates of spread in alignment with wind and slope. Single and group tree torching was observed along Cavanah Ridge and Deep Canyon. Backing fire from edge of firing operations continues to back into Deep Canyon at a slow rate of spread.

**CA-SRF Corral Complex:** 11,247 acres, 0% contained. Expected containment 10/01/2013. The fire remained more active last night and is anticipated to remain active tonight. Most of the activity is expected on the ridges and higher elevations with backing, creeping, and occasional short upslope runs. The areas with the highest potential for spread are the Tish Tang area, the Horse Linto area and the Trinity Mountain area.

**CA-TGU Deer:** 5,000 acres, 20% contained. Expected containment 08/28/2013. IMT 3 (Darnell). The fire is located 10 miles east of Los Molinos. Fire is actively burning in grass and brush and under 500KV Powerlines. Fire has established in the Dry Creek drainage and is well established on the east end of the Ishi Wilderness. CAL FIRE IMT 2 Cone is scheduled to in brief tonight at 2000 and the team will be taking the incident Sunday morning at 0700.

**CA-SRF Butler:** 20,770 acres, 39% contained. Expected containment 09/15/2013. IMT 1 (Quesinberry). Good progress was made on the west side of the fire south of Orleans Mountain Lookout to secure the line with ground and aerial ignition operations. A moist cold front with possible showers may impact fire spread throughout the day with minimal spread expected. A Red Flag Warning has been issued for the fire area for possible thunderstorm activity through 1700 on 8/25/2013.

**CA-PNF Hough:** 513 acres, 90% contained. Expected containment 08/24/2013. IMT 2 (Nunez). Nearing containment with limited fire activity expected. New starts and hold overs from lightning during the earlier weather system continue to be a concern. Crews will continue to patrol and mop up in the fire area.

**CA-KNF Salmon River Complex:** 14,547 acres, 95% contained. Expected containment 08/25/2013. IMT 2 (Wakoski). Crews observed an active backing surface fire with occasional torching. Crews will continue to mop up and patrol along constructed handlines.

**CA-STF-2857 Rim Fire,** Stanislaus National Forest. Tuolumne County 129,620 acres, 7% contained  
Southern Area Blue Team (Wilkins) is in Unified Command with CALFIRE (Lawshe).

**CA-BDF-11557 Little,** San Bernardino National Forest, Riverside County  
20+ acres, 0% contained  
Fire burning at a rapid rate of spread

**CA-STF-2857 Rim Fire,,** Stanislaus National Forest. Tuolumne County  
Southern Area Blue Team (Wilkins) is in Unified Command with CALFIRE (Lawshe).  
125,620 acres, 5% contained, 16,000 acres on the Yosemite National Park

**CA-SQF-3295, Fish Fire,** Sequoia National Forest. Golden Trout Wilderness, Tulare County Southwest Incident Management Type 2 Team (Reidy) Assigned.  
300 to 400 acres, 0% containment  
Fire in inaccessible area utilizing retardant to keep the fire in check.

**CA-BDF-11417, Gobblers Fire,,** San Bernardino National Forest, San Bernardino County. Southern California Incident Management Team 1 (Walker) is in command. 354 acres, 65% contained Very active overnight. Potential concerns for flooding and debris flows from unstable weather patterns. **Windy Peak Fire** CA-KNP-00013, Sequoia Kings Canyon National Park, Fresno County North of the Middle Fork of the Kings River near Simpson Meadow and Windy Peak. 150 acres, 0% contained.

Hough Complex  
HUMAN RESOURCE MESSAGE  
August 25, 2013

BEHAVIOR

Inappropriate Behavior is addressed in the Fireline Handbook under Common Responsibilities.

"It is extremely important that inappropriate behavior be recognized and dealt with promptly. Inappropriate behavior is all forms of harassment including sexual and racial harassment. When you observe or hear of inappropriate behavior, you should:

- Express strong disapproval of these behaviors.
- Inform and educate subordinates of their rights and responsibilities.
- Provide support to the victim.
- Develop appropriate corrective measures.
- Report the incident to your supervisor if the behavior continues as disciplinary action may be required."

Maintain a positive attitude and ensure that everyone on the incident is treated with dignity and respect. It's the right thing to do.

Cyndie Genzmer   
Human Resource Specialist  
805-550-0274

## 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

