

YUBA FIRE

Incident Action Plan



CA-NEU-16856

TUESDAY
August 18, 2009
0600 - 0600

INCIDENT OBJECTIVES	1. Incident Name Yuba Fire	2. Date 8/17/09	3. Time 2000 hrs
4. Operational Period 8/18/09 – 0600 to 0600			
5. General Control Objectives for the Incident (include alternatives) <p>Management Objectives:</p> <ol style="list-style-type: none"> 1. Provide for the Health and Safety of the Firefighters and the Public. 2. Keep Costs Commensurate with the Values at Risk. 3. Work Cooperatively with Allied Agencies. 4. Protect Power Grid and Other Improvements. 5. Protect Environmental Resources. 6. Survey and Implement Fire Suppression Repair Activities. <p>Control Objectives:</p> <ul style="list-style-type: none"> • Keep the Fire North of San Juan Ridge. • Keep the Fire South of Lake Francis and Marysville Road. • Keep the Fire East of Rice's Crossing. • Keep the Fire West of Pleasant Valley Road/Sebastopol Diggings/Chute Ridge. 			
6. Weather Forecast for Period See attached Spot Weather Forecast			
7. General Safety Message See attached Safety Message			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather Forecast	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Fire Behavior Forecast	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> Air Ops Summary	
9. Prepared by (Planning Section Chief)	10. Approved by (Incident Commander) <i>R.M. O'Neil, IC-T</i>		

ORGANIZATION ASSIGNMENT LIST

1. Incident Name		Yuba Fire	
2. Date	8/17/09	3. Time	2000 hrs
4. Operational Period			
8/18/09 0600-0600			
Position	Name		
5. Incident Commander and Staff			
Incident Commander	Robert Lewin / Kevin O'Leary (T)		
Deputy	Kelly Keenan		
Safety Officer	Chris Cox / Walt Holloway (T)		
Information Officer	Nick Schuler / Fernando Herrera / Greg McKeown (T)		
Liaison Officer	Steve Negro / Greg Turner (T)		
6. Agency Representative			
Agency	Name		
CHP	Dan Canilla		
Yuba S.O.	Shawn Smith		
USFS, TNF	Mike Cherry		
USFS, PNF	Deidre Cherry		
PG&E	Ken McClure		
Yuba County OES	Scott Bryan		
Nevada Co. OES	Vic Ferrera		
CAL-EMA F/R	David Powell		
7. Planning Section			
Chief	Bruce Schofield / Mike Despain (T)		
Deputy	Jeff Johnson		
Resources Unit	Matt Conoscente (T) / Andy Murphy (T) / Dave Anderson (T)		
Situation Unit	Buddy Bloxham / Ron Roberts (T) / Jeff Dapper (T)		
Documentation Unit	Shannon Johnson		
Demobilization Unit	Bill Smith / Jeff Adams (T)		
Training	Paul Melendrez		
Fire Behavior Analyst	Chris Waters		
IMET	Ryan Walbrun		
8. Logistics Section			
Chief	Robert Michael / Geoff Pemberton (T)		
Deputy	Frank Reilly		
Supply Unit	Tim Stewart		
Facilities Unit	Wendy Stuller		
Ground Support Unit	Gary Phillips		
Comm. Unit	Scotty Preston / Chet Ashbaugh (T)		
Medical Unit	Lisa Holloway		
Hotel Tech	Milford Ferguson		
Hired Equip Tech. Spec	Walt Williams/Henry Baker		

9. Operations Section			
Chief	Brian Estes / Mark Brunton		
Deputy	Justin McGough		
Suppression Repair Grp	Len Nielson		
Bridgeport Staging	STAM Jennifer Pope		
Lake Francis Staging	STAM Adam Peterson/Dave Bookout (T)		
a. Branch I - Division/Groups			
Branch Director	Bryan Vanden Bossche		
Deputy			
Division/Group	A / B / Z	Stephen Richardson	
Division/Group			
Division/Group			
Division/Group			
Division/Group			
b. Branch II - Division/Groups			
Branch Director	Kenneth Hughes		
Deputy			
Division/Group	C	Bob Cima/Tim Cordeo(T)	
Division/Group	D	Unstaffed	
Division/Group			
Division/Group			
Division/Group			
c. Branch III - Division/Groups			
Branch Director	Phil Brown		
Deputy			
Division/Group	L	Todd Derum	
Division/Group	M	Adam Lambert	
Division/Group	Nevada DZR Grp	Chris Post	
Division/Group			
d. Air Operations Branch			
Air Operations Branch Director	John Richardson		
Air Support Group	Travis Alexander		
Air Support Supervisor			
Helicopter Coordinator	Scott Upton / Randy Rapp		
Helibase Manager	Matt Stanford		
10. Finance Section			
Chief	Roger Raines		
Deputy			
Time Unit	Andrew Lorpuz / Richard Bruning (T)		
Procurement Unit	Rich Brocune		
Compensation/Claims Unit	Laura Germany		
Cost Unit	Terry Eastwood / Mara Zaver (T)		
Prepared by (Resource Unit Leader)			

Yuba Fire Safety Message

Tuesday, August 18, 2009

Major Hazards and Risks

MENTAL and PHYSICAL HEALTH

- Get plenty of rest, monitor fatigue and follow proper hydration procedures.

POISON OAK EXPOSURES HAVE OCCURRED ON THIS INCIDENT

- Pre-treat prior to exposure. Decontaminate all equipment and body parts daily.

SITUATIONAL AWARENESS

- Complacency **KILLS!** Stay alert during suppression and mop-up operations.

ROLLING MATERIALS

- Rolling Materials have been observed rolling in excess of 500' downhill.

MINE SHAFTS

- Identify, mark and communicate location of all Mine Shafts.

SNAGS

- Avoid them, flag them and report them so they may be mitigated.

Key Points

- **School** is in session. Be alert for additional traffic during school time hours.
- **Hazard Flagging** should adhere to current "Three Stripes You're Out" policy.
- **Briefings** must occur daily and be documented on Unit Logs (ICS-214).
- **Personal Protective Equipment** inspections should occur daily.
- **Power Lines** should always be treated as energized.

LCES Topic of the Day: Lookouts

Post trained and qualified Lookouts.

Ensure all Lookouts are briefed.

Establish and communicate trigger points with all Lookouts.

Watch Out topic of the day: **#17**

Terrain or fuels make escape to safety zones difficult.

- Ensure **Escape Routes** are established.
- Communicate **Escape Routes** to all personnel and flag when needed.

SAFETY ALERT

HEAT RELATED ILLNESS

HEAT RELATED ILLNESS IS PREVENTABLE!!!!

All personnel shall follow established guidelines.

Heat-induced illness is a result of the body's inability to cope with heat. This can be a minor symptom or a serious life-threatening injury. While recognition and treatment are important, prevention is the key.

Becoming acclimated to working in a hot environment takes time.

- It normally takes 4-8 days to acclimate
- Fatigue and alcohol consumption delays this process
- Persons not acclimated are at increased risk and can suffer heat-related illness at lower levels of heat and work activity

Personnel need to pre-hydrate before work and continuously hydrate during work.

- Water is the primary form of fluid replacement
- Before work, it is recommended to drink 20 ounces of sports drink
- During work drink 8 ounces of water every 15 minutes (1 Quart/hour)
- Cool / cold water is preferred
- Consider a carbohydrate / electrolyte sports drink as a portion (25%-50%) of the fluid intake

Avoid Hyponatremia

- Hyponatremia develops when the concentration of sodium is diluted in the bloodstream
- Exercise-induced hyponatremia occurs when this phenomenon is caused by excess water intake during exercise or work
- Proper nutrition and consumption of carbohydrate/electrolyte sports drinks as part of hydration will assist in avoiding hyponatremia
- Symptoms can include disorientation, headache, muscle cramps and nausea

Take Frequent Rest Breaks

- Hydrate during the rest break
- Create improvised shade, get out of the sun
- Document your rest breaks

Avoid Certain Drinks

- To help prevent dehydration, **AVOID** carbonated beverages and performance beverages such as Red Bull, Rock Star, Monster Drinks, etc.
- Caffeine hastens fluid loss in the urine.

INCIDENT ACTION PLAN SAFETY ANALYSIS											Incident Name Yuba Fire		Date: August 18, 2009		Time: 0600-0600				
LCES Analysis of Tactical Applications																			
Division	Indirect Fireline	Downhill Fireline	Underslung Fireline	Mid-Slope Fireline	Frontal Assault	Anchor Points	Extreme Conditions	Reburn Potential	Snags	Steep Terrain	Road Stability	LCES Mitigations	Predicted Wind Event	Transportation +1 hour	Communications	Structure Protection	Traffic on Roads	Power Lines	Other Risk Mitigations
A/B				X				X		X	X	Use downhill line construction guidelines		X	X		X		Take adequate rest breaks, re-nurish and hydrate
Z								X		X		Post Lookouts		X	X		X		Watch for traffic issues while driving
C	X			X			X	X	X	X		Ensure you have Escape Routes to a good Safety Zone w/Lookouts		X	X		X	X	Make sure your Communications is well established
D	X	X		X			X	X	X	X		Watch for weather changes		X	X		X	X	Avoid all Powerlines
L	X	X	X	X			X	X	X	X		Flag, avoid and report snags		X	X	X	X	X	Identify and flag Mine Shafts
M	X	X		X			X	X	X	X				X	X	X	X	X	Identify and avoid hazards associated with structure protection
H	X	X	X	X		X	X	X	X	X				X	X	X	X	X	

Prepared by: Ryan Hemstalk SOF 1 (T)

ICS 215A

Fire Weather Forecast

FORECAST NO: 2

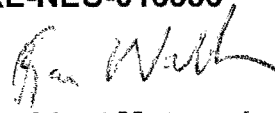
NAME OF FIRE: Yuba

PREDICTION FOR: 0600 Tue-0600 Wed

UNIT: CALFIRE-NEU-016586

SHIFT DATE: Aug 18-19th 2009

SIGNED:



TIME AND DATE

FORECAST ISSUED: 2100 8/17/09

Incident Meteorologist
Ryan Walbrun

WEATHER DISCUSSION: A persistent weather pattern is in place with strong high pressure over California leading to continued warm and dry weather over the Yuba Fire. Winds will be terrain driven with the steep slopes and bends in the Yuba River being the main driver of local wind patterns. The general wind flow will be from the West-Southwest between 9 am and 9 pm and then Northeast from 9 pm tonight until shift change Wednesday morning. The inversion will be strong enough to keep smoke in the Yuba River drainage through most of the day. This will keep temperatures slightly cooler with slightly higher RH on the river slopes. Any firing operations should be cognizant of the tendency for up-canyon winds during the afternoon and possible moderate down-canyons at night in Branch III along the Yuba River near Rolleys Point. **Remember bends in the river are dangerous locations for wind eddies.** Finally, during night operations...expect thermal belts between 1000-2000 feet with little or no RH recovery and mild overnight temperatures.

WEATHER FORECAST For Tuesday:

WEATHER: Continued hot and dry with hazy sunshine and areas of smoke in the river drainage.

HIGH TEMPERATURES: 88-96...locally cooler under smoke in Branch II and III.
Little or no change from Monday.

MINIMUM HUMIDITY: 13-23%...locally 25-30% smoke shaded slopes along the river.
Little or no change from Monday.

20 FT WINDS:

RIDGETOP – Northeast 3-6 mph with gusts 10 mph early...then West 3-6 mph gusts 10 mph in the afternoon.

SLOPE/VALLEY – Down-canyon 1-3 mph til 10 am then turning up-canyon 3-6 mph this afternoon.

HAINES INDEX: 3-4...stable airmass aloft. Low potential for plume dominated fire behavior.

STABILITY/INVERSION: Stable airmass. Inversion will be strong and likely only partially break by 1300 along the river drainage. However should the inversion suddenly break expect extreme behavior.

Tuesday Night: Clear except areas of smoke settling into the canyons. Low 63-70. Min RH 30-40%. Evening up-canyon winds to 6 mph becoming down canyon 1-4 mph overnight. On the ridges West-Southwest 5 to 10 mph in the evening turning Northeast 4-8 mph after midnight.

EXTENDED FORECAST: High pressure continues Wednesday and Thursday with little overall change in the weather. Perhaps a hint of cooling by the end of the week with slightly stronger West-Southwest winds.

Safety Thought: Stay Hydrated. Heat related illnesses are cumulative.

Please take weather observations and turn into IMET at the end of your shift!

Observed Weather on Monday:

Reader Ranch RAWS at 1968 feet: High 96 degrees Min RH 16% ...max gust 15 mph .

Div L FOBS at 2500 feet at 1430: Temp 88 degrees RH 25%....under smoke.

FIRE BEHAVIOR FORECAST NO. 03

NAME OF FIRE: Yuba Incident CA-NEU-16856

PREDICTION FOR: Day/Night Shift

SHIFT DATE: 08/18/09 (Tuesday)

TIME AND DATE FORECAST ISSUED: 08/17/09 2000 Hours

Signed: N. Chris Waters FBAN

Weather Summary: High pressure will continue to persist over the area bringing warmer temperatures and lower relative humidity. Winds will be terrain driven and follow diurnal patterns. Nighttime inversions and resulting thermal belts will develop over the fire area and remain until 1300. Expect northeast down canyon winds over night.

Fire Behavior General: Yesterday's fire activity was primarily confined to Divisions C, D, and L and consisted of surface spread and isolated tree torching accompanied by occasional spotting. Fire spread is leaving a significant amount of unburned fuel behind. Re-burn is not expected however loss if the inversion in conjunction with hard slope runs have the potential to re-burn pockets of fuel. Continue to monitor the canyon for fire activity.

Terrain within the Yuba River Canyon is extreme with slopes close to the Yuba River well over 100%. These slopes will continue to support roll outs and hard slope runs – the dominate driver of fire behavior of this fire. Areas away from the river canyon present terrain and fuels conditions more suitable for firing or suppression operations.

Nighttime easterly winds will continue to support active burning within thermal belts. Inversions will develop over night and persist throughout the morning hours. Smokey conditions will continue to dampen fire behavior by blocking solar radiation to fuel beds. If the smoke clears, fire activity will have the potential to increase significantly.

Predicted PI (1600 Hrs.)

Light Haze 85%

Under Heavy Smoke 50%

SPECIFIC:

Divisions A, B, & Z: South Aspect. Grass and oak woodlands with scattered stands of timber and heavy brush. No appreciable fire activity is expected within these Divisions. Fire activity has left dirty burn areas and hot spots that have the potential to cause isolated flare ups. Watch for fire damaged trees and stump holes.

Divisions C & D: South and West Aspect. Ponderosa Pine and mixed conifer timber stands and brush fields over steeper terrain. Expect continued slope runs over the steeper portions of the Branch due to roll outs. Nighttime down canyon winds will be favorable to firing operations.

Branch L & M: North Aspect. Heavy mixed conifer timber stands on canyon walls. Grass and oak woodlands intermixed with older brush fields of oak and Manzanita over the ridges. Ridges tend to be relatively flat with slopes ranging from 0-25%. The primary carrier of fuels will be grass and dead fuels accumulations. Fire spread over these areas will tend to be slow and combustion of aerial live vegetation incomplete.

AVIATION OPERATIONS: Heavy inversion until 1300 with smoky conditions persisting all day.

SAFETY: Mop Up operations present unique risks. Watch out for fire damaged trees and hot stump holes. Monitor the line for roll out activity and consider the potential for roll outs while working in steep terrain.

DIVISION ASSIGNMENT LIST			1. Branch III		2. Division/Group Division L		
3. Incident Name Yuba Fire			4. Operational Period Date: 8/18/09 Time: 0600 to 0600				
5. Operations Personnel							
Operations Chief		Brian Estes / Mark Brunton		Division/Group Supervisor		Todd Derum	
Branch Director		Phil Brown		Air Attack Supervisor No.		John Richardson	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T/F ENG 9551C	MIKE CARR				DP #4 / 0800		
S/T ENG LNU 9145C (E-119)	BOB BARRON		20		" "		
S/T ENG AEU 9272C (E-18)	JUSTIN SANDERS		16		" "		
ENG NEU 2379 (E-9)	FAITH QUALTIERI		4		" "		
ENG NEU 2369 (E-8)	DAN SANCHEZ		4		" "		
ENG LRB ENGINE 61 (E-11)	MIKE TOCHE		4		" "		
S/T CRW BDU 9389G (C-4)	STEPHEN VOLMER		35		" "		
S/T CRW AEU 9273G (C-23)	DALE MCGILL		35		" "		
CRW SRF SMITH RIVER (C-20)	GLEN TINGLEY		19		" "		
CRW TNF TRUCKEE IHC (C-60)	BOBBY HUBBY		18		" "		
CRW ENF EL DORADO IHC (C-12)	WILLIAM HARRIS		21		" "		
CRW LNF LASSEN IHC (C-13)	FRED BREWSTER		21		" "		
CRW DEF REDMOND IHC (C-7)	CHRIS BUHRIG		20		" "		
CRW TNF TAHOE IHC (C-6)	ERIC RICE		20		" "		
CRW PVT LOST RIVER (C-44)	NICK LEE		20		" "		
CRW TMU SLIDE MOUNTAIN (C-11)	CODY		18		" "		
W/T PVT NORTH TREE (E-3)	LAYNE		1		" "		
W/T PVT SOPPER WHEELER (E-22)	RON HAGUE		2		" "		
W/T PVT ROMERO (E-112)	TOM ROMERO		2		" "		
W/T CTN WATER TENDER 6390 (E-26)	MELVIN BROWN		2		" "		
FEMT DAN CUMMINS (O-62)							
7. Control Operations Construct direct line where necessary. Plumb line as needed to Yuba River. Prepare for areas requiring firing.							
8. Special Instructions Protect power poles and equipment wherever possible. FOBS MICHAEL MCBRIDE (O-292) AND SOFR TROY BAIR (O-111) shared between L and M.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	Tx: 167.1000 N Rx: 169.7500 N	TONE 5 = 146.2	NIFC CMD 5	Logistics			
Tactical Div/Group	Tx: 168.2500 N Rx: 168.2500 N		NIFC TAC 7	Air to Ground	Tx: 168.5375 N Rx: 168.5375 N		Yuba A/G
Prepared by (Resource Unit Ldr.)			Approved by (Planning Sect. Ch.)			Date	Time

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name Yuba Fire			Date/Time Prepared 8-17-09			Operational Period Date/Time 8-18-09/0600-0600		
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 A, D or M	Remarks
1											
2	Command	NIFC CMD 5	All Divisons	167.1000	N		169.7500	N	Tone 5		Tone 5 = 146.2
3											
4	Tactical	NIFC TAC 4	Branch I, Div A, B, Z	164.1375	N		164.1375	N			
5	Tactical	V-TAC 11	Branch III, Doz	151.1375	N		151.1375	N	156.7		Dozer Group.
6	Tactical	NIFC TAC 5	Branch II, Div C	166.7250	N		166.7250	N			
7	Tactical	NIFC TAC 6	Branch II, Div D	166.7750	N		166.7750	N			
8	Tactical	NIFC TAC 7	Branch III, Div L	168.2500	N		168.2500	N			
9	Tactical	V-TAC 13	Branch III, Div M	158.7375	N		158.7375	N	156.7		
10											
11	NEU West	NEU West	Unassigned	151.3250	W		159.3600	W			Assigned pending dispatch
12	EMS	CALCORD	All Div's	156.0750	W		156.0750	W			
13	Air- Ground	YUBA A/G	All Div's	168.5375	N		168.5375	N			
14	Emergency	AIR GUARD	All Div's	168.6250	N		168.6250	N	110.9		Emg. contact with aircraft
15											
16	Emergency	AIR GUARD	All Div's	168.6250	N		168.6250	N	110.9		Emg. contact with aircraft
Prepared by (Communications Unit) Scott Preston COML (T) Chet Ashbaugh COML (T)						Incident Location County State 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 (e.g. Project 25) or "M" indicating mixed mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

MEDICAL PLAN	1. INCIDENT NAME Yuba	2. DATE PREPARED 8/17/09	3. TIME PREPARED 1900	4. OPERATIONAL PERIOD 8/18/09 0600 - 0600
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5. INCIDENT MEDICAL AID STATION

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
ICP	Medical Unit	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

6. TRANSPORTATION

A. AMBULANCE SERVICES

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Bi-County Ambulance	Marysville Rd x Hwy 20	530-743-1893	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Penn Valley Ambulance	10513 Spenceville Avenue, Penn Valley, CA	530-432-1675	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cal-Star Air Ambulance	Grass Valley Emergency Command Center	GV ECC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Reach Air Ambulance	Grass Valley Emergency Command Center	GV ECC	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CAL FIRE C-104	Yuba Heli-Base for Short Hauls	Yuba Comm	<input type="checkbox"/>	<input checked="" type="checkbox"/>

B. INCIDENT AMBULANCES

NAME	LOCATION	PARAMEDICS	
		YES	NO
Bi-County Ambulance	Lake Francis Staging	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Rideout Hospital	726 4th Street, Marysville	15	40	530-749-4300	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sierra Nevada Hospital	155 Glassen Way, Grass Valley	10	30	530-274-6001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Enloe Medical Center	1531 Esplanade Circle, Chico CA	25	90	530-332-7330	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UC Davis Burn Center	2315 Stockton Ave., Sacramento	20	60	916-734-3636	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. MEDICAL EMERGENCY PROCEDURES

LINE EMERGENCY Facilitated under the direction of Operations Section Chief

- Crewmembers will immediately to notify their Supervisor of an injury. Supervisor will provide Branch/Division with patient complaint/condition and location, request line-EMT if assigned on their Branch/Division.
- If major injury, Branch/Division will declare a medical emergency with the communication unit and will advise of nature of emergency, location of emergency, type of recommended transportation required (ground or air), and location for transportation to make patient contact.
- Communication Unit will clear command channel for emergency traffic only
- Branch/Division will notify Operations
- Communications and Operations will coordinate/direct the appropriate mode of evacuation/transportation.
- If minor injury, Branch/Division will arrange treatment/transport with Line EMT as available, or coordinate through communications with incident.
- Safety and Medical Unit will assist as needed to help mitigate the emergency. Ensure all notifications are made.

IN-CAMP EMERGENCY

Contact the Communications Unit with patient complaint/condition and location. Medical Unit will respond as requested. Operations/Crew Supervisor, Safety, and Medical Unit Leader will be notified.

9. PREPARED BY (MEDICAL UNIT LEADER)

Ann Yoshinaga MEDL-(T)

10. REVIEWED BY (SAFETY OFFICER)

Walt Holloway, SOF1(T)

AIR OPERATIONS SUMMARY 220

PREPARED BY: John Richardson

DATE: 8/17/2009

1. INCIDENT NAME: Yuba Fire	2. OPERATIONAL DATE: 08/18/2009	SUNRISE: 06:20	SUNSET: 19:56
3. REMARKS Safety Notes: Flight-Hazards, Other Hazards, Air Operations, and Special Equipment, etc.): Powerlines, Frequency management, Diverts, etc. Safety is the #1 concern, get clearance prior to entering a FTA. PGE RW working area. <i>Speed Limit on Rices Xing Rd. is 5mph on the dirt</i> Vineyard IP: N 39 19.832 W 121 14.046 Order FW/RW Aircraft through Operations to ATGS / HLCO. Sling load orders placed through the Communications Unit no later than 14:00 to ensure delivery. Helibase(s) Name: Brownsville HB (F25) Lat./Long: N 39 27.233 W 121 17.375 Richard HB Lat. Long: N 39 18.959 W 121 14 .611	4. AIR RESCUE AIRCRAFT: C104 Activation Instructions: Request placed through ATGS		5. TFR/91.137: Radius: 6 NM Altitude: 8,000 MSL Center Point: Latitude: 39 20.31 Longitude: 121 12.13

3a. Water Points: Francis Dip N39 21.74 W121 12.26/ Barr Dip 39 23.698 X 121 07.949	3b. Helispots:
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6. PERSONNEL	Name	Telephone	Cellular	Pager	Fax	7. FREQUENCY	AM	FM
AOBD	John Richardson		805-903-3418			AIR TACTICS:		166.2750
ASGS	Travis Alexander		951-575-5513			AIR/AIR RW:	126.075	
ASGS (T)	Garrett Sjouln		530 990 5137			AIR/GROUND:		168.5375
ATGS	Pete Kerber @ GOO	530 272-4952				COMMAND:	Consult IAP ICS 205	
ATGS (Relief)	Kurt Chamberlin @ GOO	530 272-4952				COMMAND RPT:		
HEBM	Matt Stanford		951-545-8205			DECK:		163.1000
HLCO	Scott Upton		707 889-4375			TLOC Brownsville HB:	132.675	
HLCO	Randy Rapp		530 200-2512			TLOC Richard HB:	134.425	
AGENCY AIRCRAFT DISPATCH OFFICE	Grass Valley	530 477-0641 137				AIR/AIR Briefing	123.625	
CIC ATB	ATBM	530 891-2911			530 895-6029			
GOO ATB	ATBM	530 272-4952			530 272-1112			
MCC VLAT ATB	ATS Perri Hall	951 368-4972			916 561-3354			
AGENCY AVIATION MILITARY LIAISON	Frank Podesta @ MHR		209 419-4408		916 843-3931			

8. PERSONNEL ON ORDER:
SEE INCIDENT RADIO COMMUNICATIONS PLAN (205) FOR ALL OTHER FREQUENCIES!

9. FIXED WING:	Identifier	Base	10. ROTOR WING:	Identifier	Base
Air Attack(s): 2	AA210, AA17	Grass Valley	Helitanker(s):	784, FTY, 5CH	Richard HB
Leadplane(s):			I: 8	803,804,820,830,831	Mather/Richard
Tanker(s): 4			II: 3	C104, 5PJ, 7PJ, 6TV	Brownsville HB
I:			III: 4	38SH, 3185A, 383SH, 48087	Brownsville HB
II: 2			IV:		
III: 2	T88, T89, remainder TBD	Grass Valley			
VLAT Available upon Request	T910/T911	MCC			

11. SPECIAL ASSIGNED EQUIPMENT:
AIRCRAFT RESCUE FIRE FIGHTERS E-100, on site at Brownville helibase(s).
Helibase dust abatement Water Tender(s)

12. EQUIPMENT ON ORDER: Crash escue for Richard HB**13. TASKS/MISSION ASSIGNMENT (Type/Function includes: Air Tactical, Helicopter Coordinator, Fixed Wing: Retardant, Rotor Wing: Helitanker: Retardant/Foam, Rotor Wing: Retardant and or Foam, Personnel & Cargo Transport, Dip Site Locations and Names, Initial Attack and Air Rescue Helicopters, and Other.**

TYPE/FUNCTION	NAME OF PERSONNEL AND/OR CARGO INCLUDING INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Air Tactical	Available from Grass Valley AA230/AA17	0800		
Helicopter Coordinator	Order from Brownsville HB	1000 0800		
Fixed Wing: Retardant	Order through ATGS Other resources DC-10 @ MCC . All orders go through NEU ECC (Grass Valley)	0800		
Helitanker: Retardant/Foam				
Rotor Wing: Retardant/Foam	Available from Brownsville Helibase, order through ATGS	0800		
Recon/Plans	Available @ Brownsville/Sutter Co. Helibase. Schedule through AOBD / ASGS.			
Personnel Transport	Request to AOBD/ASGS for planning			
Cargo Transport	Helispots must be approved prior to delivery			
Dip Site Names and Locations	Coordinate with ATGS			
Initial Attack Helicopter	Order through Grass Valley Local	0800		
Air Rescue Helicopter	See Medical Plan			
Other:				



YUBA INCIDENT FINANCE MESSAGE TUESDAY, AUGUST 18, 2009



FOR YOUR CONVIENENCE THE PERSONNEL & EQUIPMENT TIME UNITS ARE OPEN 0500 TO 2200.

THE ENTIRE FINANCE SECTION HAS MOVED TO THE WHITE TRAILERS BETWEEN FRANKLIN HALL (ICP) AND THE FEEDING AREA.



IF YOU ARE USING A MOTEL ARRANGED BY CAL FIRE, YOU MUST FOLLOW OUR MOTEL POLICY. EACH AND EVERY PERSON STAYING IN THE MOTEL MUST SIGN THE MOTEL ROSTER. EXAMPLE: IF THERE ARE 21 PEOPLE ON YOUR STRIKE TEAM THEN THERE NEEDS TO BE 21 INDIVIDUAL SIGNATURES, ONE PER LINE. FAILURE TO FOLLOW THE RULES WILL HELP YOU LOSE THIS VALUABLE SERVICE.

We are in the process of installing an internet connection so we can start using the E FC-33. Please make sure your E-Pay is showing the correct schedule. We will have E-Pay computer available near the ICP to help facilitate this.

Strike Team Leaders: Please use the attached FC-33 Update Sheet to assist us in updating your FC-33's.

Hired Equipment resources must have their shift tickets signed by the line supervisor – DIVS, BRANCH, STAGING.

Line Supervisors are responsible to verify accuracy on the shift tickets, CLEARLY sign & print your name, collect the shift tickets and TURN THEM IN to the Time Unit.

All Hired Equipment resources must come to the time unit and provide you rental agreements, etc. if you have not done so yet.



IF YOU HAVE ANY FINANCIAL PROBLEMS OR QUESTIONS PLEASE DO NOT HESITATE TO COME AND ASK US. EVEN LITTLE PROBLEMS ARE BEST AVIODED EARLY. IN MOST CASES WE CAN FIND A SOLUTION!

**FC ROGER RAINES JR.
COMMAND TEAM 10
FINANCE SECTION CHIEF
CELL: 951-712-1907**

FINANCE SAMPLE SHIFT TICKET & FUEL ISSUE TICKET

EMERGENCY EQUIPMENT SHIFT TICKET				
NOTE: The responsible Government Officer will update this form each day or shift and make initial and final equipment inspections.				
1. AGREEMENT NUMBER NEU-016123456		2. CONTRACTOR (name) JOES TRUCKING		
3. INCIDENT OR PROJECT NAME YUBA		4. INCIDENT NUMBER CA NEU 016856	5. OPERATOR (name) JOE SMITH / ED JONES	
6. EQUIPMENT MAKE PETE		7. EQUIPMENT MODEL WT	8. OPERATOR FURNISHED BY <input checked="" type="checkbox"/> CONTRACTOR <input type="checkbox"/> GOVERNMENT	
9. SERIAL NUMBER 9K123456		10. LICENSE NUMBER 1P12345	11. OPERATING SUPPLIES FURNISHED BY <input checked="" type="checkbox"/> CONTRACTOR (wet) <input type="checkbox"/> GOVERNMENT (dry)	
12. DATE MO/DAY/YR	13. EQUIPMENT USE HOURS/DAYS/MILES (circle one)		14. REMARKS (released, down time and cause, problems, etc.)	
	START	STOP	WORK	SPECIAL
8-15	0800	2400	16	DIV-A
8-16	2001	0700	7	DIV-A
15. EQUIPMENT STATUS <input checked="" type="checkbox"/> a. Inspected and under agreement <input type="checkbox"/> b. Released by Government <input type="checkbox"/> c. Withdrawn by Contractor				
16. INVOICE POSTED BY (Recorder's initials)				
17. CONTRACTOR'S OR AUTHORIZED AGENT'S SIGNATURE Joe Smith JOE SMITH		18. GOVERNMENT OFFICER'S SIGNATURE Smoky Bear SMOKEY BEAR		19. DATE SIGNED 8.16.09

NSN 7540-01-119-5628
50297-102

OPTIONAL FORM 297 (Rev. 7-90)
USDA/USDI

ORDERING OFFICE FILE COPY (RETAIN IN BOOK)

EMERGENCY EQUIPMENT FUEL AND OIL ISSUE					SEE COVER FOR INSTRUCTIONS.	
INCIDENT OR PROJECT NAME YUBA		OWNER OF EQUIPMENT: <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Government Name I. M. EMPTY				
AGREEMENT NUMBER NEU 0123456		TYPE OF EQUIPMENT W/T		LICENSE OR IDENTIFICATION NUMBER 7B6B432		
COMMODITY (circle appropriate items)			QUANTITY	UNIT	UNIT PRICE	AMOUNT
<input type="checkbox"/> REGULAR GAS <input type="checkbox"/> UNLEADED GAS <input checked="" type="checkbox"/> DIESEL			77.1		3.75	289.13
OIL OTHER (specify)			oil 15/40	3 QT	3.00	9.00
DATE AND TIME ISSUED 8-14 7:35 am		REMARKS E-99			TOTAL 298.13	
ISSUING AGENT'S SIGNATURE Johnny Pumper			PRINT NAME AND TITLE Johnny Pumper. Oper.			
RECEIVING AGENT'S SIGNATURE I M Empty			PRINT NAME AND TITLE I M Empty - oper/owner			
POSTED TO EQUIPMENT INVOICE (FINANCE USE ONLY): INITIALS					DATE	

NSN 7540-01-317-7366
50304-101

OPTIONAL FORM 304 (7-90)
USDA/USDI

ORDERING OFFICE FILE COPY



Yuba Fire

17 August 17, 2009

When checking out with Training Specialist please bring:

◆ Completed 225 Eval's

Beat the de-mob rush and stop by the Training Specialist table in the check in building with your PTB's and 225 Eval's. This should be done prior to de-mob.

Thanks for your cooperation.

Paul Melendrez
TRAINING SPECIALIST

DEMOBILIZATION PLAN

YUBA FIRE

CA-NEU-16856

DEMOB PROCEDURES

- When your Name / Request number is posted on a Demob list, report to the Demobilization Unit.
- ***FOR STRIKE TEAMS: ONLY THE STRIKE TEAM LEADER NEEDS TO REPORT TO THE DEMOBILIZATION UNIT.***
- You must have your Order / Request number to begin the Demobilization process.
- Pickup Demobilization Checkout form (ICS-221) from the Demobilization Unit, and obtain the necessary Unit Leader sign-offs:
 - Supply Unit
 - Communications Unit
 - Ground Support/Vehicle Inspection(If Applicable)
 - Documentation Unit
 - Time Unit
 - Training Unit(If Applicable)
 - Accommodations(If Applicable)
- Return the completed Demobilization Checkout form (ICS-221) to the Demob Unit.

**“Yuba” Incident
CA-NEU-016856
Suppression Repair Plan
August 18, 2009**

I. Objectives

This Suppression Repair Plan was developed in a cooperative effort between CALFIRE, the Bureau of Land Management. The objective of the Suppression Repair Plan is to mitigate possible adverse effects to resources resulting from fire suppression activities on the Yuba Fire, in a manner which does not compromise firefighter safety. The mitigations described within this plan have been developed to apply to constructed fire lines, watercourse crossings, access roads, drop points, heli-spots and any other locations disturbed by fire suppression activities. A Repair Specialist will be assigned to ensure that work is done as required and according to the Emergency Fire Suppression Repair Plan. Additional specialists or equipment may be used if the need arises. Specialists will release equipment from the area when their work is completed.

II. General Repair Guidelines

A. Hellspots/Staging Areas/Safety Zones

- 1) Re-contour to the original slope as requested by the Repair Specialist.
- 2) Remove soil, and/or breach berms so that runoff can be dissipated. Cross drain these areas to effectively dissipate water runoff.
- 3) Place disturbed vegetation, brush and trees, piled during line construction, on the surface of safety zones and open areas. This may be done with equipment or hand crews.

B. Roads

- 1) Repair roads to pre-fire condition as requested by the Repair Specialist.
- 2) Re-establish existing berms where applicable.
- 3) Breach berms to facilitate drainage, where applicable.
- 4) Clean culverts plugged with soil and rock resulting from fire road use.
- 5) Remove all slash and debris from culvert inlets/outlets.
- 6) Blading or grading of roads may be necessary. Grading shall be done after all suppression repair work is completed for areas accessed by the roads being graded.
- 7) Where vegetative material was cut and deposited adjacent to permanent roads it shall be lopped and scattered to a depth within 30" of the soil surface.

C. Firelines; Hand and Dozer

Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fireline before it can build up enough energy to erode and transport sediment. Re-establish waterbars and rolling dips using pre-fire locations. Flatten berms along fire lines to match natural contours. Utilize cut vegetation for erosion control on steep dozer and hand lines.

Waterbar Guidelines:

- 1) Spacing: These spacing distances should be used as a guide. Judgment should be used in locating waterbars to minimize erosion potential. It may not be possible or necessary to place waterbars in steep or rocky areas. Install water-bars at the following recommended *minimum* intervals:

Fire line Gradient (% slope)	Minimum Distance Between Water-Bars (feet)
0 to 10	200
11 to 25	100
25+	50

- 2) Location: Locate waterbars at natural slope breaks or to take advantage of natural features when possible. Direct water to unburned areas, and/or resistant surfaces with high vegetation cover when

possible. Waterbars should extend beyond the width of the trail and discharge into undisturbed areas, rocky ground, or filter areas well protected with slash and vegetative cover.

- 3) **Depth and Width:** Waterbars need to be cut into the ground surface; do not simply push up soil. On dozer constructed line waterbar depths should be at least 6 inches; total height from bottom of ditch to top of waterbar should average at least 12 inches and not exceed 24 inches. On hand constructed line waterbar depths should be at least 4 inches; total height from bottom of ditch to top of water-bar should average at least 8 inches and not exceed 18 inches. The width of the waterbar channel should be enough to handle expected water flows and to avoid plugging when a normal amount of sloughing occurs.
- 4) **Angle:** Determine the average gradient in percent slope of the fire line being waterbarred. Add 5 to the average gradient. This approximates the angle in degrees for the water bar. Do not install water bars at an angle steeper than 45 degrees as this will increase water velocity rather than slow it down.

D. Watercourses

- 1) Watercourse crossings shall be dipped to original configuration. Straw mulch or native vegetation shall be placed at 90% coverage for a distance of 30'-50' each side of watercourse crossings, but not in the channel itself. Waterbreaks shall be installed on each side of channel to divert flow off of trails prior to entering watercourse channel.
- 2) Remove all soil and debris that was placed in any stream channel. A Repair Specialist will review the site for acceptability prior to mulching or native vegetation placement. If all foreign material cannot be removed with heavy equipment, the material shall be removed by hand. The excavated stream channel shall be wider than the natural channel. The approaches to the crossing shall be sloped back to prevent future stream bank failure.

E. Archaeological or Historic Sites (if discovered)

- 1) All sites and potential sites shall be flagged and avoided.
- 2) Impacted sites will be reported to the Suppression Repair Specialist as soon as possible.
- 3) If sites are encroached upon, work will stop immediately and the Division/Group Supervisor or Suppression Repair Specialist will be notified.

F. Other Repair Concerns

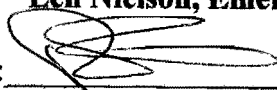
- 1) Remove all trash from fire lines and other affected areas.
- 2) Repair, broken, damaged fences, and/or gates damaged as the result of the fire control operations will be repaired. (Note: Extent and condition of damage should be documented prior to repairs.)
- 3) Grade and water roads, as needed, that were used during fire control operations. Roads should be out-sloped with rolling dips where degradation of the road prism has resulted from fire control operations.

Prepared by:



Len Nielson, Emergency Fire Line Repair Technical Specialist

Approved by:



Bruce Schofield, Plans Section Chief

Approved by:



Robert Lewin, Incident Commander

AGENCY	NAME	INCIDENT PHONE #	CELL PHONE #
Cal Fire ICT 10	Steve Negro, Liaison Officer		831-594-7934
Cal Fire ICT 10	Greg Turner, Liaison Officer (T)		909-816-7679
BLM	Jerry Martinez	(916) 941-3108	(916)212-3108
Cal EMA F&R	David Powell		916-952-5214
Ca. State Parks	Scott Elliott		(530) 525-9528
CCC	Bill Martinez	(530) 577-0850	(530) 545-0091
CDCR	Lt. Mark Micheels	(530) 265-4623	(530) 575-9422
CHP	Sgt. Scott Klocker		(530) 701-1980
Dept. Fish & Game	Sean Pirtle	(530) 749-1066	(530) 624-0848
Nevada Co. OES	Vic Ferrera	530-272-6389	530-913-0191
Nevada Co. S.O.	Lt. Shannon Moon	(530) 265-7880	(530) 913-5967
PG&E	Ken McClure		530-410-1623
PG&E	Chuck Stinnett		(209) 481-2142
Red Cross	Shelly Chernicki		(530) 330-1731
USFS, PNF	Dedire Cherry		530-394-8035
USFS, TNF	Michael Cherry	530-288-3231	530-277-6447
Yuba Co. OES	Aaron Ward		530-749-7520
Yuba Co. S.O.	Lt.. Jim Downs		530-682-8476
Yuba Co. Water	Steve Onkin	530-701-8979	530-701-8479

