

Incident Action Plan

Trailhead Fire

CA-NEU 015200

PNKQC6



NIGHT SHIFT

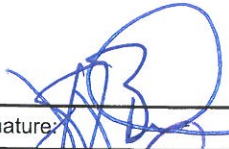
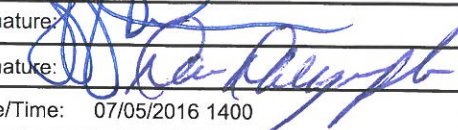
07/05-06/16

1800-0600

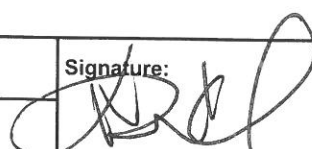
FIRE INFORMATION PHONE # 530-303-7006

Tuesday / Wednesday

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: 1800-0600 NIGHT	
TRAILHEAD		Date/Time From: 07/05/2016 1800 TUE	Date/Time To: 07/06/2016 0600 WED
3. Objective(s):			
Management Objectives:			
<ul style="list-style-type: none"> • Ensure that strategies and tactics provide for firefighter and public safety through the application of sound risk management principles. • Minimize the threat to private property, critical infrastructure, and commercial timberlands • Establish and strengthen cooperator, partner, and stakeholder relationships. • All suppression repair work will be conducted in close coordination with assigned READs and in compliance with approved Fire Suppression Repair Plan. 			
4. Operational Period Command Emphasis:			
Control Objectives:			
<ul style="list-style-type: none"> • Keep the fire south of the Middle Fork of the American River by holding fire within established containment lines from Peachstone Gulch to the Division P/L break. • Minimize the fires spread to the East by keeping it within established containment lines from the Division P/L break to the Division T/X break. • Minimize spread to the south using established containment lines from the Division T / X break to the Division X / T break. • Minimize fire spread to the west using established containment lines from Division X / Z break north to Peachstone Gulch. 			
General Situational Awareness:			
<ul style="list-style-type: none"> • See attached weather forecast. • See attached safety message. 			
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Approved Site Safety Plan(s) Located at:			
6. Incident Action Plan (the items checked below are included in this Incident Action Plan):			
<input checked="" type="checkbox"/> ICS 202	<input type="checkbox"/> ICS 207	Other Attachments: <input checked="" type="checkbox"/> 215A _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____ <input type="checkbox"/> _____	
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 208		
<input checked="" type="checkbox"/> ICS 204	<input type="checkbox"/> ICS 220		
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart		
<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents		
<input checked="" type="checkbox"/> ICS 206			
7. Prepared by: JEFF BUSCHER	Position/Title: PSC2	Signature: 	
8. Approved by Incident Commander:	Name: RIK YOUNG <i>Daren Dalrymple</i>	Signature: 	
ICS 202	IAP Page	Date/Time: 07/05/2016 1400	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:		2. Operational Period: 1800-0600 NIGHT	
TRAILHEAD		Date/Time From: 07/05/2016 1800 TUE	Date/Time To: 07/06/2016 0600 WED
3. Incident Commander(s) and Command Staff:		DEPUTY	AARON LOWE
IC	RICK YOUNG / BRIAN ESTES/ DAREN DALRYMPLE (T)	SUPPLY UNIT	DAVE ALICEA / KEN KUMPE (T)
DEPUTY	JOE MOLHOEK	FACILITIES UNIT	RIC CROWTHER ROBIN DAVIS (T)
SAFETY OFFICER	STEVE DAVIS TERRY O'CONNELL	GROUND SUPPORT UNIT	JOHN FELL / HARRY ZABEL
INFORMATION OFFICER	ADRIENNE FREEMAN / COREY WILFORD	COMMUNICATIONS UNIT	DON STONER
LIAISON OFFICER	TIM FIKE	MEDICAL UNIT	PAT YOUNG RICH LUCIUS (T)
4. Agency/Organization Representative(s):		FOOD UNIT	BECKY BAKER / KEVIN BROWNING
Agency/Organization	Name	7. Operations Section:	
AGENCY ADMIN	LAURENCE CRABTREE / MIKE KASLIN GEORGE MORRIS III	DAY OPS SECTION CHIEF	ERIC PETTERSON
AGENCY ADMIN REP	PATRICIA TRIMBLE	NIGHT OPS SECTION CHIEF	DUSTAN MUELLER
LEAD RESOURCE ADVISOR	JOHN JUE JENNIFER HOUSE	PLANNING OPS	JASON WITHROW (T)
CAL OES	GARY HUMPHREY R4	OPS SECTION CHIEF	DAN GEORGE
LINE OFFICER AEU	BRIAN ESTES		
LINE OFFICER NEU		DIVISION/GROUP	A STEN
CDCR AGENCY REP	LT MIKE HILL 209 639 8627	DIVISION/GROUP	L / P JOHN GOSS
EL DORADO CNTY LAW BRANCH	TODD CRAWFORD	DIVISION/GROUP	T / X HEATHER MCRAE
		DIVISION/GROUP	Z HEATHER GROVE
5. Planning Section:		7b. Air Operations Branch:	
CHIEF	JEFF BUSCHER JOHN OWEN (T)	AIR OPS BRANCH DIRECTOR	DENNIS KUSTER
DEPUTY	PATRICK FARRELL	AIR SUPPORT SUPERVISOR	STACI DICKSON
RESOURCES UNIT	DUANE MILLER / ROBERTA LIM / MICHAEL DUNKEL (T)	8. Finance/Administration Section:	
SITUATION UNIT	MATT BROWN KEITH FLOOD / JOHN MOHOFF (T)	CHIEF	BETH LOPEZ DEBBIE PARLIN (T)
DOCUMENTATION UNIT	JEFF DEARDORFF	TIME UNIT	PENNY PORTLOCK
DEMOBILIZATION UNIT	DAN BAGGAO / SCOTT WEESE (T)	COMPENSATION UNIT	TINA KENNEDY
FIRE BEHAVIOR ANALYST	KEN LARSON TERESA RIESENHUBER (T)	COST UNIT	SAM RAPPAAHAHN
TRAINING SPECIALIST	BRAD SMITH	EQUIPMENT TIME	FERN SHEPHERD
GIS SPECIALIST	MARK GRUPE / MELANIE KERR STEVE WALTERSHIED (T)		
COMPUTER SPECIALIST	SHANE NEAL / ZACH SOHL		
INCIDENT METEOROLOGIST	MIKE SMITH		
STATUS CHECK-IN	JORDAN WEBER / EAMON ENGBER (T)		
6. Logistics Section:			
CHIEF	JACK COSTELLO / DUSTIN MARTIN		
9. Prepared By:	Name: MICHAEL DUNKEL	Position/Title: RESL (T)	Signature: 
ICS 203	IAP Page	Date/Time: 07/05/2016 1022	



INCIDENT Weather Forecast



FORECAST NO: 9 **NAME OF FIRE:** Trailhead
PREDICTION FOR: Tuesday Night **SHIFT** **UNIT:** NEU
SHIFT DATE: July 5/6, 2016 **SIGNED:** Mike Smith
TIME AND DATE **Incident Meteorologist**
FORECAST ISSUED: July 5, 1100

WEATHER DISCUSSION: A weak upper level trough will remain over the west coast allowing moderate weather conditions to continue tonight. The upper level winds above the fire may pick up a bit but this should not mix down to the ridges during the nighttime hours. Therefore... terrain driven winds should prevail with mainly light downslope and downcanyon winds expected after about 2100. Stable air conditions will allow inversions to settle in after this time. Maximum humidity recoveries will be moderate again but RH values will vary up and down throughout the night. Overnight temperatures may cool a bit but still around normal for this time of year. Wednesday weather will be much like Tuesday's except for a slight increase in ridgetop winds. Thursday may see a slight bump upwards in temperatures before a stronger low pressure system dropping out of the Gulf of Alaska brings even cooler and moister conditions going into the weekend.

WEATHER FORECAST:

WEATHER: Fair skies. Some smoke settling in after about 2100.

TEMPERATURES: Minimum temperatures 57 canyon bottoms to 63 ridges.

HUMIDITY: Maximum humidity recovery 60% ridges to about 70% canyon bottoms. Highest values may be around midnight then lower a bit through the remainder of the morning.

20 FT WINDS:

RIDGETOP - Southwest wind 2-5 mph gusts to 10 mph through about 2100 then turning to southeast 1-4 mph gusts to 8 mph.

SLOPE/VALLEY - Upslope to upcanyon 2-5 mph gusts to 8 mph through about 2100 becoming Downslope to downcanyon 1-4 gusts to 7 mph.

STABILITY/INVERSION: Inversions settling in around 2100. Stable conditions through the night.

OUTLOOK FOR Wednesday: Mostly Sunny skies except morning smoke through about 0900. Max temps 83-89. Minimum RH 19-26%. Ridge winds southeast 1-4 gusts to 8 mph becoming southwest 2-5 after about 1000. Gusts to 12 mph in the early afternoon. Slope winds downslope to downcanyon 1-4 gusts to 7 mph becoming upslope to upcanyon 2-5 mph after about 1000. Gusts to 10 mph in the early afternoon.

OUTLOOK FOR Thursday: Mostly Sunny skies except morning smoke through about 0900. Max temps 84-90. Min Temps 58-64. Minimum RH 18-25%. Max RH recovery 60-70%. Ridge winds southeast 1-5 gusts to 8 mph becoming southwest 2-5 after about 1000. Gusts to 12 mph in the early afternoon. Slope winds downslope to downcanyon 1-4 gusts to 7 mph becoming upslope to upcanyon 2-5 mph after about 1000. Gusts to 10 mph in the early afternoon.

EXTRA INFORMATION: Sunset Tonight: 8:32 pm Sunrise Wednesday: 5:45 am

Weather from DP-23 0500 Temp 62 RH 55% Wind Northeast 2 (Thanks for the field observations!)

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 12	TYPE OF FIRE: Wildland Fire
FIRE NAME: Trailhead Fire	OPERATIONAL PERIOD: July 5-6, 2016 Night Shift 1800 – 0600
DATE ISSUED: July 5, 2016	TIME ISSUED: 1045
UNIT: Eldorado NF, Georgetown R.D. & NEU (Cal-Fire)	SIGNED: /s/ Ken Larson, FBAN

INPUTS

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

Discussion: A weak upper level trough will remain over the west coast allowing moderate weather conditions to continue tonight.

Weather: Fair skies. Some smoke settling in after about 2100 hrs.

Temp: 57-63° **RH:** 60-70%

Winds (eye level): downslope/downcanyon to 3 mph after 2100; SE to 4 mph on ridge tops after 2100

10 hr fuels: 6% **1000 hr fuels:** 10% **Live Fuel Moisture:** 100%

FIRE BEHAVIOR

GENERAL

Expect the fire to remain active until after dark with the potential for short upslope runs through brush (20-40 ch/hr) and timber (5-15 ch/hr) with flame lengths 10-15 feet—with occasional short duration crowning and spotting up to ¼ mile. Fire activity will subside after dark. Division Z has the greatest potential for active fire behavior. Backing and flanking pushed by the down slope/down canyon winds will occur through the night where available fuels still exist.

Rate of Spread (Head Fire) Open Timber: 1-2 ch/hr Closed Timber w/ Understory: 2-5 ch/hr Brush: 5-15 ch/hr

Flame lengths (Head Fire) Open Timber: 1-2 feet Closed Timber w/ Understory: 3-5 feet Brush: 4-8 feet

Backing/Flanking Worst Case: Rate of Spread < 2 ch/hr Flame Lengths < 4 feet

POI: 20-30% **Spotting Potential:** less than 1/10 mile

Local Fire Danger: ENF Actual 7/4 ERC = 75 BI = 58 ENF Predicted for 7/5 ERC = 76

SPECIFIC FIRE BEHAVIOR

Divisions L, P, T, X: Fire is holding well within established control lines. Any remaining interior green islands will continue to burn down tonight. Be on the lookout for undetected spots from day shift, snags burning down, stump holes, and dirty burn areas near control lines that have re-burn potential. Expect to have downwind smoke effects to Division Z.

Division Z: The fire will continue to back down to the American River unless it reaches there during day shift. There is still a potential for the fire to cross the American River.

Branch II: The fire is being held within control lines. Division A should monitor burning conditions in Division Z to the south. Should fire cross the American River from Division Z fire activity will increase with the potential for upslope or lateral runs where slope and wind align.

AIR OPERATIONS

Becoming stable with inversions settling in after 2100. Smokey skies causing reduced visibility in the morning until the inversions lift. Sunset: 20:32 Sunrise (07/06): 05:45

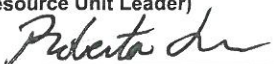

SAFETY

Pay attention to changes in weather during the early evening. Ensure someone is assigned to take weather observations on a regular basis and relay that information, as a minimum, to others on your assigned Division. Be especially aware of wind direction and speed.

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.				
TRAILHEAD			Branch:		Division/Group: A		
2. Operational Period: 1800-0600 NIGHT							
Date/Time From: 07/05/2016 1800 TUE		Date/Time To: 07/06/2016 0600 WED					
4. Operations Personnel							
OPERATIONS CHIEF		DUSTAN MUELLER		AIR OPERATIONS BRANCH DIRECTOR		DENNIS KUSTER	
STEN							
5. Resources Assigned this Period							
Strike Team / Task Force / Resource Designator		LWD	Leader		Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG3 ST 9160C E-53		07/13	TOM LUBAS		18	ON DIVS/	0600/
6. Control Operations/Work Assignments:							
<ul style="list-style-type: none"> Patrol and mop-up where necessary and safe to do so. 							
7. Special Instructions:							
<ul style="list-style-type: none"> Backhaul any equipment not needed. 							
8. Division/Group Communication Summary							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	1	168.1000 N	123.0	170.4500 N	123.0	A	
TACTICAL	6	166.7250 N	123.0	166.7250 N	123.0	A	
AIR TO GROUND CMD	13	166.9125 N		166.9125 N		A	
AIR TO GROUND TAC	14	169.2875 N		169.2875 N		A	
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time	
ROBERTA LIM <i>Roberta Lim</i>			JEFF BUSCHER <i>[Signature]</i>		07/05/2016	1200	

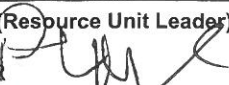
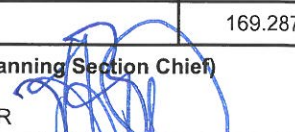
Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
TRAILHEAD			Branch:		Division/Group:	
2. Operational Period: 1800-0600 NIGHT					L / P	
Date/Time From: 07/05/2016 1800 TUE		Date/Time To: 07/06/2016 0600 WED				
4. Operations Personnel						
OPERATIONS CHIEF DUSTAN MUELLER		BRANCH DIRECTOR				
DIVISION/GROUP SUPERVISOR JOHN GOSS		AIR OPS BRANCH DIRECTOR DENNIS KUSTER				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC1 9374G C-32		07/11	DAVE GREWAL	33	DP 61/1900	0600/
HC1 SALMON RIVER C-44		07/05	BILL ROBINSON	20	DP 61/1900	0600/
ENG3 9461C E-158		07/12	CHRIS JAUREGUI	21	DP 61/1900	0600/
ENG3 4226C E-10063		07/16	JON ANDERSON	20	DP 61/1900	0600/
WT1 GEORGETOWN E-40		07/11	WWESTWOOD	1	DP 61/1900	0600/
FEMP O-10021		07/15	ANDREW ESTRADA	1	DP 61/1900	0600/
FEMT O-10024		07/15	MICHAEL SHEPHERD	1	DP 61/1900	0600/
6. Control Operations/Work Assignments:						
<ul style="list-style-type: none"> • Hold containment line; Mop-up to the degree necessary to maintain containment. 						
7. Special Instructions:						
<ul style="list-style-type: none"> • Backhaul any equipment not needed. • Draft only from approved water sources; maps with approved sources available from DIVS. 						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1	168.1000 N	123.0	170.4500 N	123.0	A
TACTICAL	12	166.5500 N	123.0	166.5500 N	123.0	A
AIR TO GROUND CMD	13	166.9125 N		166.9125 N		A
AIR TO GROUND TAC	14	169.2875 N		169.2875 N		A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
ROBERTA LIM 			JEFF BUSCHER 		07/05/2016	1022

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
TRAILHEAD			Branch:		Division/Group:	
2. Operational Period: 1800-0600 NIGHT					T / X	
Date/Time From: 07/05/2016 1800	TUE	Date/Time To: 07/06/2016 0600	WED			
4. Operations Personnel						
OPERATIONS CHIEF		DUSTAN MUELLER		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		HEATHER MCRAE		AIR OPS BRANCH DIRECTOR	DENNIS KUSTER	
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
ENG3 4660C E-10009	07/18	ZACK STOCKDALE	27	DP 42/1900	0600/	
WT1 CONVERSE E-136	07/13	JAKE NICKELL	1	DP 42/1900	0600/	
WT1 FLOODGATE E-135	07/13	JUAN PALACIOS	1	DP 42/1900	0600/	
SOF2 O-10061	07/15	JASON JONES	1	DP 42/1900	0600/	
FEMP O-158	07/15	ANDY OBERG	1	DP 42/1900	0600/	
FEMT O-163	07/15	BRENT BICKLEY	1	DP 42/1900	0600/	
6. Control Operations/Work Assignments:						
<ul style="list-style-type: none"> • Patrol and mop-up where necessary and safe to do so. 						
7. Special Instructions:						
<ul style="list-style-type: none"> • Backhaul any equipment not needed. • Draft only from approved water sources; maps with approved sources available from DIVS. 						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1	168.1000 N	123.0	170.4500 N	123.0	A
TACTICAL	10	154.2875 N	156.7	154.2875 N	156.7	A
AIR TO GROUND CMD	13	166.9125 N		166.9125 N		A
AIR TO GROUND TAC	14	169.2875 N		169.2875 N		A
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
ROBERTA LIM		JEFF BUSCHER		07/05/2016	1022	

Division/Group Assignment List (ICS 204 WF)

1. Incident Name:			3.			
TRAILHEAD			Branch:		Division/Group: Z	
2. Operational Period: 1800-0600 NIGHT						
Date/Time From: 07/05/2016 1800 TUE		Date/Time To: 07/06/2016 0600 WED				
4. Operations Personnel						
OPERATIONS CHIEF		DUSTAN MUELLER		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		HEATHER GROVE ISAAC FLATTLEY (T)		AIR OPS BRANCH DIRECTOR		DENNIS KUSTER
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC1 9489G C-27		07/12	NICK MILTON	32	DP 28/1900	0600/
HC1 9275G C-30		07/13	DRUMMONO	33	DP 28/1900	0600/
ENG3 ST 5780C E-10013		07/14	KYLE HUMPHREY	28	DP 28/1900	0600/
ENG3 3233 E-10067		07/17	LEIF LARSON	5	DP 28/1900	0600/
DOZ2 2741 E-183		07/12	JUSTIN EMERSON	1	DP 28/1900	0600/
WT2 ANDERSONS E-87					DP 28/1900	0600/
WT1 TEHAMA E-131		07/13	HEATHER ALEXANDER	1	DP 28/1900	0600/
TFLD O-93		07/15	DAVID URRUTIA	1	DP 28/1900	0600/
TFLD (T) O-10099		07/17	ORLANDO GERAO	1	DP 28/1900	0600/
FEMP O-20087		07/17	ANTHONY BALBIANI	1	DP 28/1900	0600/
FEMT O-20086			GAGE SCHLICE	1	DP 28/1900	0600/
6. Control Operations/Work Assignments:						
<ul style="list-style-type: none"> Patrol and mop-up where necessary and safe to do so. 						
7. Special Instructions:						
<ul style="list-style-type: none"> Backhaul any equipment not needed. Draft only from approved water sources; maps with approved sources available from DIVS. 						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1	168.1000 N	123.0	170.4500 N	123.0	A
TACTICAL	5	168.6000 N	123.0	168.6000 N	123.0	A
AIR TO GROUND CMD	13	166.9125 N		166.9125 N		A
AIR TO GROUND TAC	14	169.2875 N		169.2875 N		A
9. Prepared By (Resource Unit Leader)			Approved By (Planning Section Chief)		Date	Time
DUANE MILLER 			JEFF BUSCHER 		07/05/2016	1022

INCIDENT RISK ANALYSIS TRAILHEAD INCIDENT CA-NEU-15200 (ICS 215A) Night Shift

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	DANGER TREES	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines, IRPG pages 22. Post lookouts, or use a spotter in mop-up areas with personnel. Don't park vehicles or take breaks in high concentrations of hazard trees. Establish trigger points for disengagement during high wind events".
ALL	TRAFFIC & DRIVING	<ul style="list-style-type: none"> Practice "Defensive Driving" techniques. Use spotters when backing. Always use headlights. Use warning lights when working on roads or traveling in smoke. Observe posted speed limits. Watch for logging trucks on Hwy 49 and Wentworth Road.
ALL	SUPPRESSION REPAIR	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Use all required PPE, including eye protection. Maintain proper spacing and overhead clearance. Be alert for stump holes and root cavities. Minimize exposure to smoke, and rotate personnel into clean air when practical. Evaluate unburned islands/Increase situational awareness.
ALL	STEEP TERRAIN & ROLLING DEBRIS	<ul style="list-style-type: none"> Maintain 8'-10' spacing when working & walking. Don't work above any personnel. Evaluate necessity to send personnel in areas with limited access.
ALL	SUPPRESSION REPAIR	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (IRPG Inside back cover). Use caution around heavy equipment. Use all required PPE. Including hearing protection around equipment. Maintain adequate spacing. Establish line of communication with equipment operators.
ALL	SPOT FIRES	<ul style="list-style-type: none"> Size up prior to engagement. Watch for multiple spots. Ensure LCES is in place.
ALL	HEAT RELATED ILLNESS (HRI) & DEHYDRATION	<ul style="list-style-type: none"> Drink 2 to 1 water to sports drinks. Take Frequent breaks, minimum of 10 minutes every hour. Recognize symptoms of HEAT RELATED ILLNESS which include Lack of energy, Headaches, dizziness, lack of rest, no hunger, poor eating habits, hot skin, and lack of sweating
ALL	HEAVY EQUIPMENT OPERATIONS	<ul style="list-style-type: none"> Ensure communications are established with operators. Use hand signals if other communications are unavailable. Maintain a 50'-100' exclusion area around equipment. Use a spotter when backing.
ALL	MINE SHAFTS, & ADITS,	<ul style="list-style-type: none"> Be alert for mine shafts, adits, etc. in fire area. They may not be identified on maps. If found, flag area, notify all line personnel, DIVS, OPSC, & SOFR, keep personnel out of area.
DIV T, P, X	HIGH VOLTAGE POWER LINES	<ul style="list-style-type: none"> Smoke can conduct electricity; stay 150' clear of lines / towers in heavy smoke. Do not operate heavy equipment under power lines. Do not park under power lines. Watch for fallen power lines, stay 200' away, notify your supervisor Follow power line safety guide in the IRPG page 24
INCIDENT NAME: Trailhead ICS 215a		DATE PREPARED: <p align="center">July 5, 2016</p> TIME PREPARED: 0900 HOURS
		OPERATIONAL PERIOD Night Shift 07/05/16 1800-0600 Prepared by J. Washington

Lookouts
Communications
Escape Routes
Safety Zones

Trailhead Incident
Operation Period: 07/05/2016 Night Shift

SAFETY MESSAGE

Stay focused on the safety aspects of your assignment

- Ensure LCES is in place prior to engagement.
- Establish decision points when conditions can deteriorate.
- Take weather observations.
- Monitor the fire environment for changes in the fuel, topographic and weather elements. Forecast the fire behavior.
- Evaluate the work area for hazards, communicate hazards, mitigate or avoid the hazards.

MAJOR HAZARDS AND RISKS

STEEP TERRAIN FATIGUE DRIVING	ROLLING MATERIAL DEHYDRATION BUCKET DROPS	HEAVY EQUIPMENT HAZARD TREES COMPLACENCY
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Be sure all elements of your safety plan are in place prior to engagement

Look Up, Look Down, Look Around During Mop Up

***Look Up:** Check the sky for any weather changes such as building or approaching thunderstorms, wind shifts or increasing in speed. Watch for air operations and water drops. Look for snags and the potential for rolling material.

***Look Down:** Watch your footing. Keep an eye out for snakes, bee's nests, Stump holes, and ash pits.

* **Look Around** Check for flagging identifying hazards in the area, and general terrain features. Keep an eye on fellow firefighters for signs of heat stress and fatigue.


Hazardous Tree Indicators:

- Strong winds.
- Night Operations.
- Steep Slopes.
- Disease or bug-kill timber.
- Trees and duff have been burning for an extended period.
- High-risk tree species (rot and shallow root system – tan oaks, redwoods).
- Numerous down trees.
- Dead or broken tops and limbs overhead.
- Accumulation of downed limbs.
- Absence of needles, bark or limbs.
- **Leaning or hung-up trees.**

Nor Cal Team 2 Safety Officers Terry O'Connell, Shelby Charley, Steve Davis SOF2

MEDICAL PLAN		1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD			
		Trailhead Fire	07/05/2016	1000	1800 to 0600 7/05 to 7/6, 2016			
5. INCIDENT MEDICAL AID STATIONS								
MEDICAL AID STATIONS		LOCATION			PARAMEDICS			
					YES	NO		
Medical Unit		ICP			XX			
Frontline Medical		ICP			XX			
FEMP Estrada and FEMT Shepherd		Division "L/P"			XX			
FEMT Bickley and FEMT Oberg		Division "T/X"			XX			
FEMP Balbiani and FEMT Schlice		Division "Z"			XX			
REM Team 1		Base Camp contact Comms Unit			XX			
6. TRANSPORTATION								
A. AIR RESOURCES								
NAME		LOCATION		PHONE	PARAMEDICS			
					YES	NO		
CalStar Air Ambulance (Day/Night)		Auburn, Ca.		Comms Unit	XX			
REACH Air Ambulance (Day/Night)		Lincoln, Ca.		Comms Unit	XX			
C.H.P. (hoist capable 165 feet, Day/Night Only)		Auburn, Ca.		Comms Unit	XX			
B. INCIDENT AMBULANCES								
NAME		LOCATION			PARAMEDICS			
					YES	NO		
El Dorado County 249 Branch I		I.C.P.			XX			
A.M.R. Branch II		Spike Camp			XX			
7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Sutter Auburn Faith Hospital	11815 Education Street Auburn, Ca.	10 minutes	50 minutes	530-888-4562	XX			XX
Marshall Medical Center	1100 Marshall Way Placerville, Ca	10 minutes	40 minutes	530-626-2717	XX			XX
Sutter Roseville Medical Center Level 2 Trauma Center N 38 45.58 W 121 14.52	1 Medical Plaza Dr. Roseville, Ca.	20 minutes	1.5 hours	916-781-1811	XX			XX
U.C. Davis Medic Center Level 1 Trauma Center N 38 33.17 W 121 27.05	2015 Stockton Ave. Sacramento, Ca.	25 minutes	1 hour 45 minutes	916-734-3790 ER 916-734-3636 BU	XX		XX	
8. MEDICAL EMERGENCY PROCEDURES								
IN-CAMP CARE				LINE EMERGENCIES				
<ul style="list-style-type: none"> Minor Injuries or illnesses <ul style="list-style-type: none"> Seek Aid directly at the Frontline Medical Unit, report all injuries or illnesses to supervisor Unit Open 0600 hrs to 2200 hrs Moderate to Severe Injuries or Illnesses <ul style="list-style-type: none"> Contact Communications directly Med Unit staffed after hours for Emergencies 				<ul style="list-style-type: none"> Start of shift: notify your Div Sup of EMT's/Paramedic's and Medical gear carried by crew Crew Supervisor contacts Division with Nature of Emergency. Division Supervisor contact's Communications and declare a medical emergency on command Closest DIVS or designee responds to incident <ul style="list-style-type: none"> Closest SOFR/EMT's respond to assist w/care Use attached Injury or Incident Comm. Protocol If ambulance (ground or air) delayed designate rendezvous site and move towards it Secure scene for investigation—keep a log 				
9. PREPARED BY (MEDICAL UNIT LEADER)				10. REVIEWED BY (SAFETY OFFICER)				
ICS 206 8-78 Patrick Young MEDL				Steve Davis SOF-2				

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name:		2. Date/Time Prepared:		3. Operational Period:		Date/Time To:					
TRAILHEAD		Date: 07/05/2016 Time: 1022		1800-0600 NIGHT		07/06/2016 0600 WED					
4. Basic Radio Channel Use:											
Zone Group	Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode (A, D, or M)	Remarks	
	1	COMMAND	NIFC C2	ALL DIVS	168.1000 N	123.0	170.4500 N	123.0	A	Tone 2	
	2	COMMAND	NIFC C9	ALL DIVS	170.0125 N	123.0	165.2500 N	123.0	A	Tone 2	
	3	COMMAND	CDF C7	ALT CMD	151.4600 N	103.5	159.3900 N	103.5	A	Tone 8	
	4	TACTICAL	NIFC T1	UNASSIGNED	168.0500 N	123.0	168.0500 N	123.0	A	Tone 2	
	5	TACTICAL	NIFC T3	DIV Z	168.6000 N	123.0	168.6000 N	123.0	A	Tone 2	
	6	TACTICAL	NIFC T5	DIV A	166.7250 N	123.0	166.7250 N	123.0	A	Tone 2	
	7	TACTICAL	NIFC T6	UNASSIGNED	166.7750 N	123.0	166.7750 N	123.0	A	Tone 2	
	8	TACTICAL	NIFC T7	UNASSIGNED	168.2500 N	123.0	168.2500 N	123.0	A	Tone 2	
	9	TACTICAL	VFIRE 24	UNASSIGNED	154.2725 N	156.7	154.2725 N	156.7	A	Tone 6	
	10	TACTICAL	VFIRE 25	DIV T / X	154.2875 N	156.7	154.2875 N	156.7	A	Tone 6	
	11	TACTICAL	VFIRE 26	UNASSIGNED	154.3025 N	156.7	154.3025 N	156.7	A	Tone 6	
	12	TACTICAL	R5 T4	DIV L / P	166.5500 N	123.0	166.5500 N	123.0	A	Tone 2	
	13	AIR TO GROUND	A/G CMD	ALL DIVS	166.9125 N		166.9125 N		A		
	14	AIR TO GROUND	A/G TAC	ALL DIVS	169.2875 N		169.2875 N		A		
	15	TACTICAL	CALCORD	ALL DIVS	156.0750 N	156.7	156.0750 N	156.7	A	Tone 6	
	16	AIR GUARD	GUARD	ALL DIVS	168.6250 N		168.6250 N	110.9	A	Tone 1	
5. Special Instructions:											
				Name: D STONER				Signature: 		Date/Time: 07/05/2016 1022	
6. Prepared By				(Communications Unit Leader)				IAP Page		ICS 205	

READ/REAF

FLAGGING

Pink/Black Checkered = Protection

Try to avoid impact to these sensitive resources

Lime Green = Hazards

Use Caution Mine Shafts and Other Hazards

Please contact Jon Jue or Jen House with any
READ/REAF questions

Room 102

Jon Jue – 916-539-8999

Jen House – 530-503-7029

Appendix A

Effective Waterbars

The three objectives of waterbars are: 1) to divert the destructive overland flow of water off the fire line; 2) to discharge the overland flow onto areas where the erosive energy can be dissipated; and 3) to aid in the recovery of vegetation. The last objective will be achieved if erosion is prevented on the fire line surface. Erosion removes topsoil which holds a majority of the organic matter, nutrients, and water holding capacity of the soil profile. Waterbars are designed to intercept slopes, slow, and spread the precipitation run-off. The idea is to move water off the fire line before it can build up enough energy to erode soil and transport sediment.

Spacing: These spacing distances should be used as a guide. Judgement should be used in locating waterbars to minimize erosion potential. Install waterbars at the following recommended intervals

Dozer Line

Fire Line Gradient (% slope)	Distance Between Waterbars ^(A) (feet)
0 to 10	250
10 to 20	100
20 to 40	75
41 to 60 ^(B)	50 ^(B)

Hand Line

Fire Line Gradient (% slope)	Distance Between Waterbars ^(A) (feet)
0 to 5	No waterbars needed
6 to 15	200
16 to 30	100
31 to 50	75
51 to 60	50 ^(B)
>60	None ^(B)

(A) These are guidelines and not intended to restrict the implementation of more or less waterbars if the need or lack of need is justified.

(B) Firefighter safety should be taken into account, if slopes are too steep for safe implementation then waterbars should not be constructed, if sensitive resources are not present.

Location: Water should be directed to unburned areas, and/or resistant surfaces with high vegetation cover when possible. Waterbars should discharge into undisturbed areas and preferably rocky ground or filter areas well protected with ground and vegetation cover, whether rocks or organic materials. Waterbars should not direct water into stream channels.

Depth and Width: Waterbars need to be cut into surface, do not simply push up soil.

- Waterbar depths for **dozer lines** should be at least 6 inches; total height from bottom of ditch to the top of the waterbar should average at least 18 inches and not exceed 24 inches.

- Waterbar depths for **hand lines** should be at least 4 inches; total height from bottom of ditch to top of waterbar should average at least 8 inches and not exceed 12 inches. Higher waterbars do not necessarily mean better waterbars.

The width of the waterbar should extend beyond the width of the hand line by a minimum of 12 inches and up to 24 inches to prevent water exiting the waterbar from flowing back to the hand line. Sticks or rocks should be scattered at the outlet of waterbars to dissipate the velocity of water and minimize erosion (see Figure below). The outflow of the waterbar should be as wide as feasible to prevent deposited sediment from blocking water flow.

Angle: Waterbars should be placed at an angle relative to the fire line. The angle should be directed downhill into unburned vegetation and **between 30 to 45 degrees**. Angle is important, if the angle is too shallow, the water will slow down and deposit the sediment it carries in the waterbar, making it ineffective. If the angle is too steep, water will continue at high velocity and able to erode and carry additional sediment where it exits the waterbar.

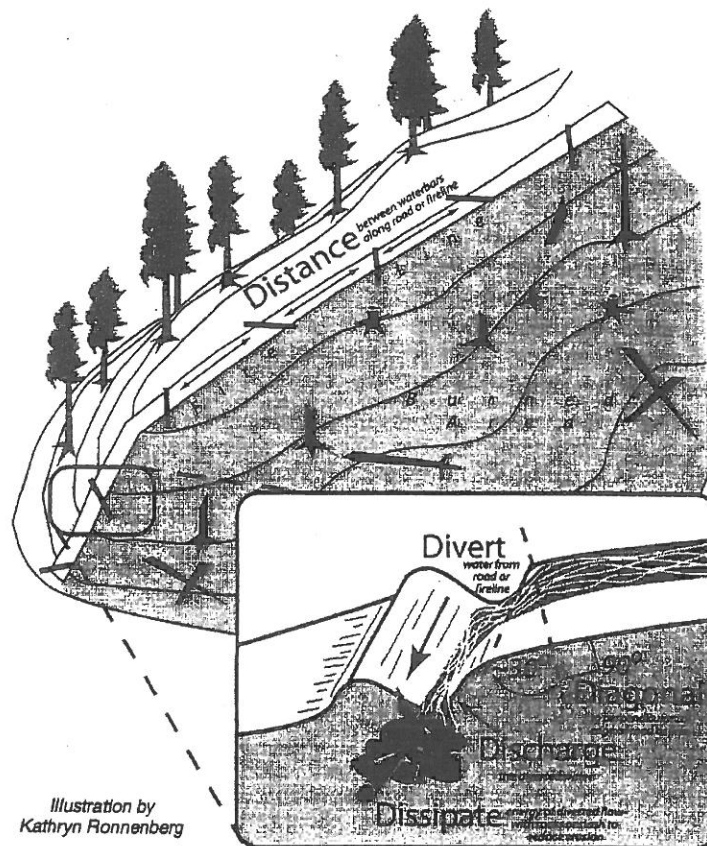


Illustration by
Kathryn Ronnenberg

Figure 1 – Waterbar Installation

(Reference: Hauge, C.J., M.J. Furniss and F.D. Euphrat. 1979. *Soil erosion in California's Coast Forest District*. California Geology. June, 1979)

TRAINING SPECIALIST MESSAGE

Today, July 5th is the last day for opening an active training assignment with the Training Specialist on this incident.

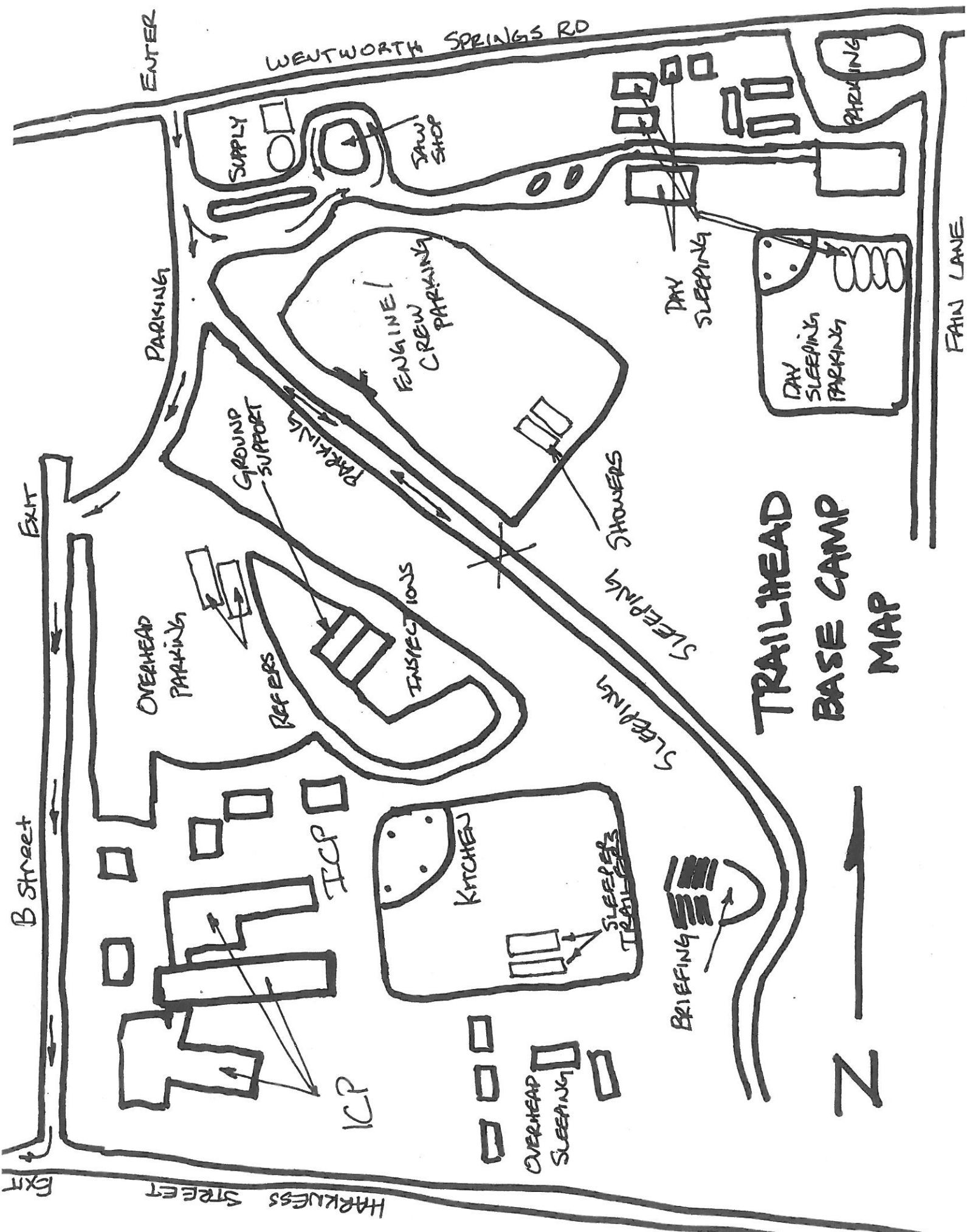
Trainees who have not previously checked in with the TNSP should do so immediately.

All Training Documentation Packages must be “closed out” with the TNSP no later than Wednesday, July 6th by 2000 Hrs.

Beat the Rush!!

Trainer / Evaluators: If as much work as possible has been completed in the position task book, you are strongly encouraged to take advantage of your time in camp and conduct the training close-out with the TNSP. It is not necessary to wait until demob!

**Brad Smith
Training Specialist**



ENTER

WENTWORTH SPRINGS RD

PARKING

SUPPLY

SAW SHOP

PARKING

ENGINEER CREW PARKING

DAY SLEEPING

DAY SLEEPING PARKING

FAIN LANE

GROUND SUPPORT

PARKING

SHOWERS

**TRAILHEAD
BASE CAMP
MAP**

EXIT

OVERHEAD PARKING

REFERS

INSPECTIONS

SLEEPING

B Street

ICP

KITCHEN

SLEEPERS TRAILHEADS

BRIEFING

N

EXIT

HARKNESS STREET

OVERHEAD SLEEPING

NorCal 2 Division Fireline Order Form

Date & Time Order was placed	Order # (DIVS + #)	MODE OF DELIVERY	LOCATION OF Delivery
Current Date and Time:		GROUND SUPPORT	DIV, DP, LZ Lat Long
DATE NEEDED:		PICK UP IN SUPPLY	
TIME NEEDED:		HELO	
Order received in COMMUNICATIONS by:	Name:	Time:	
Order Received in SUPPLY by:	Name:	Time:	
Order shipped by Transportation or PU in Suppl	Name:	Time:	

PLEASE ORDER BY ITEM NUMBER

#	Item 1 - IS the following: (i.e. if you need 3000' of hose & appliances, = 3 Hose Kit A's" or 3 item # 1's				
1	'1,000 Foot Hose Lay' and includes: 10ro 1½" Hose; 10ro 1" Hose; 10ea 1½" Gated Wyes; 10ea 1½" to 1" reducers; 10ea 1" nozzles				
#	Item	Amount	#	Item	Amount
1	Hose Kit A				
2	Hose (100'), 1½"		28	Fuses (Boxes or Cases?)	
3	Hose (100'), 1"		29	Batteries "AA" PKGs (24/PKG)/BX	
4	Hose (50') garden, ¾"		30	Ribbon, Flagging (Specify Color)	
5	Nozzle, KK Type, 1½"		31	Shovel	
6	Nozzle, KK Type, 1"		32	Pulaski	
7	Nozzle, Forester, 1"		33	Combi Tool	
8	Nozzle, Garden, ¾"		34	McCloud	
9	Wye, Gated, 1½"		35	Washcloth, waterless, cleansing	
10	Wye, Gated, 1"		36	Sprinkler Kit	
11	Wye, Gated, ¾"		37	Mop-Up Kit, 3-Wand	
12	Inline-Tee, (1½" x 1")		38	Chainsaw Kit / {accountability #}	
13	Reducer, 1½"x 1"		39	Water, Cubies	
14	Reducer, 1"x ¾"		40	Water, Bottled, Cases	
15	Shut Off ¾"		41	Gatorade, Cases	
16	Foam 5 gal		42	MRE's (12/BX)	
17	Backpack Pump			ANYTHING NOT LISTED ABOVE:	
18	Pumpkin 1500 / 3000 / 6000 gal order size				
19	Folding-Tank 1000 / 1500 gal order size				
	PUMP KITS				
20	Lightweight / {accountability #}				
21	Mark III / {accountability #}				
22	Fuel Unleaded (5 Gal cans)			ACCOUNTABILITY PROPERTY #'S HERE:	
23	Fuel Drip Torch (5 gal cans)				
24	Fuel Diesel (5 gal cans)				
25	2 Cycle oil (Pints)				
26	Bar Oil (Qts)				
27	Drip Torch (ea)				

SPECIAL NOTES:

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

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

1. CONTACT COMMUNICATIONS/DISPATCH

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

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

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

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

Number of Patients:	Male / Female	Age:.	Weight:.
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Mechanism of Injury: <i>What caused the injury?</i>			
Lat/Long (Datum WGS84) <i>Ex: N 40° 42.45' x W 123° 03.24'</i>			

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

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

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

<input type="checkbox"/> Helispot	<input type="checkbox"/> Short-haul/Hoist	<input type="checkbox"/> Life Flight	<input type="checkbox"/> Other
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Ground Transport:

<input type="checkbox"/> Self-Extract	<input type="checkbox"/> Carry-Out	<input type="checkbox"/> Ambulance	<input type="checkbox"/> Other
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6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar
<input type="checkbox"/> Burn Sheet(s)	<input type="checkbox"/> Oxygen	<input type="checkbox"/> Trauma Bag
<input type="checkbox"/> Medication(s)	<input type="checkbox"/> IV/Fluid(s)	<input type="checkbox"/> Cardiac Monitor/AED
<input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)		

8. EVACUATION LOCATION:

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

9. CONTINGENCY: