

# **DELTA & HIRZ FIRE**

## **Incident Action Plan**

**Day Shift October 10, 2018 (0700 – 1900)**



### **After Actions Review**

AAR should be done in a manner in which participants openly and honestly discuss the days operation, in sufficient detail and clarity, so everyone involved understands what did and did not occur and why.

- AAR is performed after the days operation
- The leader of the AAR's role is to facilitate the discussion
- Reinforce respectful disagreement, keep focus on what not who
- Everyone should participate to ensure the AAR is thorough
- End the AAR on a positive note

**WHAT HAPPENED?**

**WHAT ACTUALLY HAPPENED?**

**WHY DID IT HAPPEN?**

**WHAT CAN WE DO NEXT TIME?**

**Maintain a High Level of Situational Awareness**

**DELTA CA-SHF-001444, P5L4L8 (0514)**

**HIRZ CA-SHF-001223 P5L2ZM (0514)**

**Shasta Trinity National Forest**

**Northern California Incident Management Team 1**



# INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b>	<b>2. Operational Period: DAY</b>		
DELTA / HIRZ	Date/Time From:	Date/Time To:	
	10/10/2018 0700      WED	10/10/2018 1900      WED	

**3. Objective(s):**

**LEADER'S INTENT**  
Stage 1 Suppression Repair for the Delta and Hirz fires will take place on all areas identified by READs.

**CONTROL OBJECTIVES**  
Keep fire inside current Delta footprint.

**MANAGEMENT OBJECTIVES**

- Provide for firefighter and public safety through the application of sound risk management principles.
- Manage incident costs effectively considering values at risk.
- Maintain and strengthen cooperators, partner, and stakeholder relationships through clear communications and cooperation.
- Conduct all suppression repair work in close coordination with incident READs to minimize further damage to the extent possible, when safe to do so.

**4. Operational Period Command Emphasis:**

- 1) Identify Hazards
- 2) Assess Hazards
- 3) Make Risk Decisions
- 4) Implement Controls
- 5) Supervise and Evaluate

**General Situational Awareness:**

Rain has fallen on the forest over the past few days and loosened the soil inside the burn area causing some trees to fall due to root systems destroyed by the fire.  
"Look up, down and around." (IRPG, Pg 3)

**5. Site Safety Plan Required?**      Yes       No

**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"/> ICS 203	<input type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> ICS 214 UNIT LOG
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Map/Chart	<input type="checkbox"/> _____
<input type="checkbox"/> ICS 205A	<input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> ICS 206		

<b>7. Prepared by:</b> ERIC BLACK	Position/Title:      PLANNING SECTION CHIEF	Signature:
<b>8. Approved by Incident Commander:</b>	Name:      CURTIS COOTS	Signature:
ICS 202	IAP Page	Date/Time:      10/09/2018 2000

ICS Form 203 ORGANIZATION ASSIGNMENT LIST		1. INCIDENT NAME DELTA / HIRZ	2. DATE PREPARED 10/09/2018	3. TIME PREPARED 2000
5. INCIDENT COMMANDER AND GENERAL STAFF		4. OPERATIONAL PERIOD (DATE/TIME) 10/10/2018 0700-1900		
POSITION	NAME	9. OPERATIONS SECTION		
INCIDENT COMMANDER	CURTIS COOTS / JOSHUA BOEHM(t)*	CHIEF	ALEC LANE	
DEPUTY	JAIME GAMBOA*	PLANNING OPS	ADAM LEYBA	
SAFETY OFFICER	JAMES COURTRIGHT JEFF BARNHART*			
INFORMATION OFFICER	JIM MACKENSEN / SAMANTHA QUINN			
LIAISON OFFICER				
		BRANCH		
		DIVISION/GROUP	HIRZ REPAIR SOUTH	ARLANDO LEYVA
6. AGENCY REPRESENTATIVES		DIVISION/GROUP	HIRZ REPAIR NORTH	RICHARD NAPOLES
AGENCY	NAME	DIVISION/GROUP	DELTA REPAIR SOUTH	RYAN ROSENOW BERT SMITH (T)
FS AGENCY ADMIN.	SCOTT RUSSELL	DIVISION/GROUP	DELTA REPAIR NORTH	RAY UCHA / MARVIN VOLRIE(t)
FS AGENCY ADMIN, REP.	CAROLYN NAPPER LOIS SHOEMAKER	DIVISION/GROUP	TASK FORCE PATROL	(TFLD) LONNIE HAGEDON
OES AREP	PAT TITUS			
CHP	LT. KYLE FOSTER			
SIERRA PACIFIC INDUST.	NICK KROENCKE			
CCC REP.	KENNETH MCDONALD			
CAL TRANS	WILLIE ELDER			
7. PLANNING SECTION				
CHIEF	ALAN TAYLOR			
DEPUTY	ERIC BLACK			
RESOURCES UNIT	JAY SHAFFER(t)			
SITUATION UNIT	MATTHEW SNYDER(t)			
DEMOBILIZATION UNIT	GARY DEBOI			
GISS	KIM DENIZ / CHRIS MUHL			
IMET	ALEX HOON			
FBAN				
TRAINING SPECIALIST	GREG KURTZ			
ITSS	CALVIN MOSES / DARREN LEEKS(t) ROCKY BOND(t)	10. AIR OPERATIONS BRANCH		
DOCUMENTATION UNIT	SABRINA McCOMB / DAVE ADLER(t)	AIR OPS BRANCH DIRECTOR		
		AIR SUPPORT GROUP SUP.		
		AIR TACTICAL SUPERVISOR		
8. LOGISTICS SECTION				
CHIEF	RICKIE CROWTHER / MIKE JELLISON / KEN KUMPE*			
SUPPLY UNIT	RON PIERCE / JOHN HARKLEROAD			
FACILITIES UNIT	JEFF HUHTALA / MISTY WHITEHURST*	11. FINANCE		
GROUND SUPPORT UNIT	TOBY RINGUETTE / JACOB BAILEY (t)	CHIEF	PAM MEYER / MIKE TAYLOR	
COMMS UNIT	ARNIE IRVINE	TIME UNIT	MAGGIE PROCHAZKA	
FOOD UNIT	JAY WESTLAKE / MARK McGUINNESS / JIM ECKROTH	PROCUREMENT UNIT	PJ VILHAUER	
MEDICAL UNIT	JOSH RAMEY / FRANK ABEL / PETE NELSON(t)	COMPENSATION / CLAIMS UNIT	TRACY NICHOLSON	
ORDERING MANAGER	FRONNIE SHACKLEFORD / JENNIFER ARMSTRONG*	COST UNIT		
		EQUIPMENT TIME		
Prepared By (Resources Unit) JAY SHAFFER RESL (t)				

\* = PERSONNEL IN COFFEE CREEK



**Fire Weather Forecast**



**FORECAST NO:** 13  
**PREDICTION FOR:** DAY SHIFT  
**SHIFT DATE:** Oct 10, 2018  
**TIME/DATE ISSUED:** Oct 9, 2018 1900 PDT

**NAME OF FIRE:** Delta/Hirz  
**UNIT:** CA-SHF  
**SIGNED:** Alex Hoon  
**Incident Meteorologist**

**WEATHER DISCUSSION:**

**...COOLER TODAY...**

A weak weather system is moving through Northern California today and Thursday, bringing a cool down along with some increasing clouds for today. Dry air will allow for cold temperatures again for tonight in the valleys, especially around McCloud ICP with temperatures down near freezing. High pressure builds into the Pacific Northwest and Northern California for the weekend. This will bring moderate off-shore flow, warmer temperatures, and very dry conditions for this weekend and into next week.

**WEATHER FORECAST FOR WEDNESDAY:**

**WEATHER:** Partly cloudy.

**CHANCE OF WETTING RAIN (>0.10"): 0%**

**MAX TEMPERATURES:** 58-71°F. **8°F COOLER**

**MIN HUMIDITY:** 23-30%. **UP 4%**

**20-FOOT WIND:**

**SLOPE/VALLEY -** Northeast 3-6 mph. Upslope/Updrainage 3-6 mph in sheltered drainages.

**RIDGETOP-** East to Northeast 6-10 mph with gusts up to 15 mph.

**HAINES INDEX: 3**

**WEDNESDAY NIGHT:**

**...COLD TONIGHT... FROST LIKELY AT MCCLOUD...**

**WEATHER:** Clear and cold. Frost possible around McCloud ICP.

**CHANCE OF WETTING RAIN (>0.10"): 0%**

**MIN TEMPERATURES:** 39-49°F...except near 32°F at McCloud ICP. **5°F COLDER**

**MAX HUMIDITY:** 50-60% **DOWN 10%**

**20-FOOT WIND:**

**SLOPE/VALLEY -** Downdrainage 2-4 mph.

**RIDGETOP -** Northeast 6-12 mph. Gusts to 20 mph.

**EXTENDED FORECAST:**

**...WARMER AND DRIER INTO THE WEEKEND...**

**THURSDAY:** Mostly sunny. Few clouds. Max temps...58-72°F. Min RH 20-30%. Northeast 7-11 mph.

**FRIDAY AND SATURDAY:** Sunny. Max temps...66-80°F. Min RH 15-20%. Friday...East 5-9 mph. Saturday... Northeast 8-12 mph with gusts to 20 mph.

**SUNDAY AND MONDAY:** Sunny. Max temps...65-80°F. Min RH 10-15%. Northeast 8-12 mph. Gusts 20 mph.

**Division/Group Assignment List (ICS 204 WF)**  
**Controlled Unclassified Information//Basic**

<b>1. Incident Name:</b>			<b>3.</b>			
DELTA / HIRZ			Branch:		Division/Group:	
<b>2. Operational Period: DAY</b>					<b>HIRZ REPAIR SOUTH</b>	
Date/Time From: 10/10/2018 0700	WED	Date/Time To: 10/10/2018 1900				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b>		ARLANDO LEYVA
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
EXCA BRITTEN E-522	10/10	JOHN BRITTEN	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
EXCA MORRISON E-526	10/11	DUSTIN WESTFALL	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
GRD JANC CONSTRUCTION E-490	10/14	RICHARD JANC	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
GRD CORWIN COMPANY E-690	10/12	LENNY WEBER	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
TFLD O-728	10/11	CHRISTOPHER J GRAVES	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
HEQB O-848	10/17	OPAL L FULTON	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
FMOD QUINNS O-821	10/13	ALLEN INGERSOLL	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
EMTP O-770	10/13	JULIAN CHRISTY	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
SOFR O-713	10/13	JOHN STRICKLAND	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
SOFR O-794	10/13	KEITH A SMYTH (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900	
<b>6. Control Operations/Work Assignments:</b>						
<ul style="list-style-type: none"> <li>Continue fire suppression repair in conjunction with Resource Advisers.</li> <li>Backhaul hose and excess equipment.</li> </ul>						
<b>7. Special Instructions:</b>						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2	172.6500 N	10/107.2	164.7500 N	10/107.2	A
TACTICAL	10	166.7750 N	10/107.2	166.7750 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JAY SHAFFER			ERIC BLACK		10/09/2018	2100

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<b>1. Incident Name:</b>			<b>3.</b>			
DELTA / HIRZ			<b>Branch:</b>		<b>Division/Group:</b>	
<b>2. Operational Period:</b>			<b>HIRZ REPAIR NORTH</b>			
<b>DAY</b>						
Date/Time From: 10/10/2018 0700      WED		Date/Time To: 10/10/2018 1900      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b> ALEC LANE			<b>DIVISION/GROUP SUPERVISOR</b> RICHARD NAPOLES			
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG6 ALASKA WILDLAND E-609		10/13	ESAI JASSO	3	MC CLOUD ICP/0700	MC CLOUD ICP/1900
ENG6 GRAYBACK FORESTRY E-610		10/14	BRIAN LEWMAN	3	MC CLOUD ICP/0700	MC CLOUD ICP/1900
ENG6 CMS - 43F52 E-611		10/14	GUY NEILSEN	4	MC CLOUD ICP/0700	MC CLOUD ICP/1900
DOZ2 NORTHWESTERN E-545		10/10	RON STEVENSON	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
DOZ2 DARRAH LOGGING E-663		10/18	RICK RESH	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
DOZ2 CATTANEO #9 E-666		10/18	MIKE GOODEN	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA STONEY CREEK E-486		10/15	LUKE ANDREWS	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA INGRAM E-520		10/17	TIM WATERMAN	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA TOM'S E-525		10/11	TOM FUNES	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA TRINITY RIVER E-656		10/09	SHILOH BERRY	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA TRINITY RIVER E-657		10/19	WAYNE CALLIGAN	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA DARRAH LOGGING E-659		10/17	KEITH DARRAH SR	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
GRD WYEAST FORESTRY E-691		10/14	MARK MILNE	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SKG3 J & D LOGGING E-275		10/17	SAWYER LOGAN	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SKD2 HALEY, TODD B. E-276		10/09	DWAYNE DICKSON	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SKD2 CECIL LOGGING, INC. E-575		10/16	AARON HERNDON	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
MISC SIERRA LAND MGMT E-495		10/08	LOGAN TAYLOR	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-846		10/16	LUIS DOZAL	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-868		10/16	TREVOR M DRAKE (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-697		10/13	JACK C TURNER	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-850		10/16	TRAVIS REED	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	4	170.4125 N	10/107.2	165.9625 N	10/107.2	A
TACTICAL	11	168.2500 N	10/107.2	168.2500 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JAY SHAFFER			ERIC BLACK		10/09/2018	2100

**Division/Group Assignment List (ICS 204 WF)**  
**Controlled Unclassified Information//Basic**

<b>1. Incident Name:</b>			<b>3.</b>			
DELTA / HIRZ			<b>Branch:</b>		<b>Division/Group:</b>	
<b>2. Operational Period:</b>			<b>HIRZ REPAIR NORTH</b>			
<b>DAY</b>						
Date/Time From: 10/10/2018 0700      WED		Date/Time To: 10/10/2018 1900      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b> ALEC LANE			<b>DIVISION/GROUP SUPERVISOR</b> RICHARD NAPOLES			
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HEQB O-853		10/16	DANIEL J QUINN	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-863		10/16	GILBERT ROSALES (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
FELB O-823		10/13	JOHN WALKER	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
FMOD NORTH ZONE O-819		10/13	LARRY CASTRO	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
FMOD VOLCANO CREEK O-822		10/13	JEFF TURNER	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EMTP O-835		10/16	ERIC SCHROTH	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SOFR O-713		10/13	JOHN STRICKLAND	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SOFR (T) O-748		10/11	SAGE HOWELL	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
REAF O-415		10/18	MICHAEL PARENTI	1		
REAF O-792		10/10	MICHAEL C MCFADIN	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
REAF O-828		10/15	CAROL A FIELDS	1		
REAF O-894		10/17	AARON JESSE MALSON	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
REAF O-895		10/18	AYRES M DICKS	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
REAF O-898		10/21	BRUCE ROBISON	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
FOBS O-768		10/13	HENRY J FALCON	1		
FOBS O-282		10/11	ISAAC R HUNTER	1		
<b>6. Control Operations/Work Assignments:</b>						
<ul style="list-style-type: none"> <li>• Continue fire suppression repair in conjunction with Resource Advisers.</li> <li>• Backhaul hose and excess equipment.</li> </ul>						
<b>7. Special Instructions:</b>						
<b>8. Division/Group Communication Summary</b>						
<b>Function</b>	<b>Channel</b>	<b>RX Frequency N/W</b>	<b>RX Tone/NAC</b>	<b>TX Frequency N/W</b>	<b>TX Tone/NAC</b>	<b>Mode</b>
COMMAND	4	170.4125 N	10/107.2	165.9625 N	10/107.2	A
TACTICAL	11	168.2500 N	10/107.2	168.2500 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JAY SHAFFER			ERIC BLACK		10/09/2018	2100



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<b>2. Operational Period:</b> DAY					<b>DELTA REPAIR SOUTH</b>	
Date/Time From: 10/10/2018 0700 WED	Date/Time To: 10/10/2018 1900 WED					
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b> ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b> BRYAN ROSENOW BERT SMITH (T)				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
HC2I FIRESTORM 19 C-135	10/13	DAVE WELLS	20	COFFEE CREEK/0700	COFFEE CREEK/1900	
ES3 STEN - 3660C (CA-PNF) E-543	10/10	CHRIS A KING	27	COFFEE CREEK/0700	COFFEE CREEK/1900	
ES3 STEN- SQF - 5650 C E-597	10/13	DAN JONES	26	COFFEE CREEK/0700	COFFEE CREEK/1900	
ENG6 FIRESTORM 9902 E-553	10/10	JAMES BARARIA	3	COFFEE CREEK/0700	COFFEE CREEK/1900	
ENG6 LNP 76 E-554	10/10	CHAD DUNEHEW	3	COFFEE CREEK/0700	COFFEE CREEK/1900	
EXCA NORTH RIVERS E-521	10/12	CODY CARLSON	2	COFFEE CREEK/0700	COFFEE CREEK/1900	
EXCA LEPAGE CO E-524	10/10	BRETT SHULTZ	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
EXCA STONY CREEK E-527	10/17	MIKE MURDOCK	2	COFFEE CREEK/0700	COFFEE CREEK/1900	
EXCA RESOURCE UTILIZATION CO E-528	10/11	THOMAS HORN	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
EXCA WARNER ENTERPRISES E-635	10/14	JOE RUSTE	2	COFFEE CREEK/0700	COFFEE CREEK/1900	
GRD NORTH STATE EQUIPMENT E-294	10/11	STEVE SANDERS	2	COFFEE CREEK/0700	COFFEE CREEK/1900	
BHOE BAILEY E-646	10/15	MARTIN BAILEY	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
TFLD O-730	10/10	MARSHALL THOMPSON	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
TFLD O-763	10/10	BERNIE BORNONG	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
TFLD O-875	10/18	SHAUN CRAIG	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
TFLD O-785	10/12	CHRIS OGILVIE	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
HEQB O-645	10/13	MATTHEW WESTON (T)	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
AMBU MOUNTAIN MEDICS E-569	10/11	MICHELLE RAPONI	2	COFFEE CREEK/0700	COFFEE CREEK/1900	
EMPF E-677	10/17	CHAD POULSEN	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
EMTF O-773	10/13	BRIAN MACIAS	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
<b>8. Division/Group Communication Summary</b>						
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COMMAND	2	172.6500 N	10/107.2	164.7500 N	10/107.2	A
TACTICAL	11	168.2500 N	10/107.2	168.2500 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b> JAY SHAFFER						
<b>Approved By (Planning Section Chief)</b> ERIC BLACK			<b>Date</b> 10/09/2018		<b>Time</b> 2100	

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Date/Time From: 10/10/2018 0700	WED	Date/Time To: 10/10/2018 1900				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>		ALEC LANE		<b>DIVISION/GROUP SUPERVISOR</b>		BRYAN ROSENOW BERT SMITH (T)
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
READ O-381	10/10	NICK I MEYERS	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
REAF O-906	10/23	ERIK CORDTZ	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
SOFR O-747	10/10	BILL SANDBORG	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
SOFR O-786	10/12	TROY AL MAGUIRE	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
FOBS O-282	10/11	ISAAC R HUNTER	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
FOBS O-768	10/13	HENRY J FALCON	1	COFFEE CREEK/0700	COFFEE CREEK/1900	
<b>6. Control Operations/Work Assignments:</b>						
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TACTICAL	11	168.2500 N	10/107.2	168.2500 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>						
JAY SHAFFER			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
			ERIC BLACK		10/09/2018	2100

**Division/Group Assignment List (ICS 204 WF)**  
Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>			<b>3.</b>			
DELTA / HIRZ			<b>Branch:</b>		<b>Division/Group:</b>	
<b>2. Operational Period:</b>			<b>DELTA REPAIR NORTH</b>			
<b>DAY</b>						
Date/Time From: 10/10/2018 0700      WED		Date/Time To: 10/10/2018 1900      WED				
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b> ALEC LANE			<b>DIVISION/GROUP SUPERVISOR</b> RAY UCHA MARVIN VOLRIE (T)			
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC2I FIRESTORM C-124		10/10	ALEX RHEA	19	MC CLOUD ICP/0700	MC CLOUD ICP/1900
DOZ2 NORTHSTATE E-544		10/21	TRAVIS YACOUB	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
DOZ2 ANGICO E-564		10/10	STEVE BOGGS	3	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA DUDLEYS' EXCAVATING E-488		10/21	MIKE LINDAURER	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA KIRACK CONSTRUCTION E-523		10/11	ERIC GOLD	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA TRINITY RIVER E-589		10/13	KEVIN SKELTON	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA KEN'S E-654		10/20	KENNY SMITH	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
EXCA M. PETERS E-658		10/21	RICK BOLKCOM	2	MC CLOUD ICP/0700	MC CLOUD ICP/1900
GRD TRINITY RIVER E-685		10/15	MATT HANES	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-692		10/10	ERIC L POTTER	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-845		10/16	ALEXANDER E PFOUTZ	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-864		10/16	TADD A FAGERUD (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
TFLD O-867		10/19	BRENDA J DIAZ (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-852		10/16	RANDALL LAMB	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-854		10/15	MICHAEL FUERCH	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-855		10/17	MICHAEL BALIZAN	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-879		10/17	KEVIN A MOGLIA	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
HEQB O-881		10/18	MICHAEL CORREIA (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
RES WILDERNESS MEDICS (EMPF) E-678		10/18	TIM RICHMOND	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SOFR O-795		10/14	GARY WRIGHT (T)	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
SOF2 O-804.49		10/13	JEFFREY L BARNHART	1	MC CLOUD ICP/0700	MC CLOUD ICP/1900
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	4	170.4125 N	10/107.2	165.9625 N	10/107.2	A
TACTICAL	10	166.7750 N	10/107.2	166.7750 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JAY SHAFFER			ERIC BLACK		10/09/2018	2100



**Division/Group Assignment List (ICS 204 WF)**  
 Controlled Unclassified Information//Basic

<b>1. Incident Name:</b>			<b>3.</b>			
DELTA / HIRZ			Branch:		Division/Group:	
<b>2. Operational Period:</b>			<b>TASK FORCE PATROL</b>			
DAY						
Date/Time From: 10/10/2018 0700 WED		Date/Time To: 10/10/2018 1900 WED				
<b>4. Operations Personnel</b>						
OPERATIONS CHIEF		ALEC LANE		TASK FORCE LEADER		LONNY HAGEDON
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
ENG6 FIRESTORM E-555		10/10	RONALD SARTAIN JR	3	MCCLLOUD ICP/0700	MCCLLOUD ICP/1900
ENG6 3141 E-556		10/11	PHILLIP LEWIS	3	MCCLLOUD ICP/0700	MCCLLOUD ICP/1900
ENG6 MT. ADAMS E-606		10/13	PAULA HOLTER	3	MCCLLOUD ICP/0700	MCCLLOUD ICP/1900
SOFR O-713		10/13	JOHN STRICKLAND	1	MCCLLOUD ICP/0700	MCCLLOUD ICP/1900
SOFR(T) O-748		10/11	SAGE HOWELL	1	MCCLLOUD ICP/0700	MCCLLOUD ICP/1900
<b>6. Control Operations/Work Assignments:</b>						
<ul style="list-style-type: none"> <li>Patrol I 5 corridor and adjacent control lines.</li> <li>Backhaul hose and excess equipment.</li> </ul>						
<b>7. Special Instructions:</b>						
<ul style="list-style-type: none"> <li>Be prepared to support Forest requests for I.A.</li> <li>Backhaul all unneeded equipment.</li> </ul> <p><b>If Interstate 5 needs to be closed:</b></p> <ul style="list-style-type: none"> <li>1. Operations is notified.</li> <li>2. Operations notifies communications.</li> <li>3. Communications notifies CHP dispatch.</li> </ul>						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	6	169.5375 N	10/107.2	164.7125	10/107.2	A
TACTICAL	7	168.0500 N	10/107.2	168.0500 N	10/107.2	A
AIR TO GROUND	14	168.3375 N		168.3375 N		A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
JAY SHAFFER			ERIC BLACK		10/09/2018	2100

**AIR OPERATIONS SUMMARY**

Prepared By: Doug Ledgerwood *d* Prepared Date: 07 Oct, 2018 Prepared Time: 1830

<b>1. INCIDENT NAME:</b> Delta Fire	<b>2. OPS PERIOD DATE:</b> 10 Oct, 2018	<b>START TIME:</b> 0830	<b>END TIME:</b> 1900	<b>SUNRISE:</b> 0715	<b>SUNSET:</b> 1837
<b>3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):</b> Helicopter module to remain ready for 10 minute response. High tension power lines in fire area, review hazard map for locations prior to flight.  <b>SEE AND AVOID – there is no TFR on the fire.</b>		<b>4. READY ALERT AIRCRAFT</b> MEDEVAC - See Medical Plan ICP Medical Helispot: 41° 15.878' X 122° 07.596'		<b>5. TFR #:</b> None	

6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD			Air to Air	124.5750		Base
ASGS			Air to Ground		168.3375	AIRTANKERS- TBA
ATGS						LEAD PLANES- TBA
HLCO/ATGS						ATGS AIRCRAFT- TBA
H-506 Contact	Josh Wilson	530-356-9892	Command See Communications Plan			
			DECK		163.1000	
			CALCORD tone guarded both sides		156.0750 Tone 6 (156.7) Tx & Rx	
			Air Guard		168.6250 Tone 1 (110.9) Tx & Rx	

**9. HELICOPTERS (Use Additional Sheets as Necessary)**

Call Sign	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	Call Sign	TY	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-506	2	Bell 205A1+	Redding	0830	0800	EU N205BT							

**10. MISSIONS**

Water drops as needed.



## AAR part 1

Fire Communication Category

### How to conduct an effective After Action Review

An AAR is a professional discussion of an event with the objective to identify successes and failures. It is a tool that leaders, teams, crews and units can use to get maximum benefit from every incident or project. It is essential for wildland firefighters to learn from our mistakes and to capitalize on our successes. It is considered a valuable tool in high-risk professions where the smallest mistakes can lead to disastrous results. ***FYI – an AAR is not a critique and not a forum to assign blame. It's an open, honest and professional discussion for purposes of improvement.***

Once you (the leader/facilitator) have demonstrated that the AAR works and that it will be part of your team's Standard Operating Procedures, the discussion will become more open. Finding out *what* they did is not nearly as important as *why* they did it. Good active listening skills are essential. Do not immediately try to solve or correct the issue, but let it play out. Try to get to the root of the issue. The leader must be a part of the AAR and will have to accept criticism. This is important because the team will be looking for affirmation of the AAR process.

- Have the AAR as soon after an event as possible with all the personnel involved if at all possible.
- The leader's role is to insure there is skilled facilitation of the AAR.
- Make sure everyone participates.
- Pay attention to time.
- Establish clear ground rules: encourage candor and openness, all participants have equal ownership, focus on improving performance, and keep all discussions confidential.
- End on a positive note.

#### 1. What was planned?

Review the intent of the mission  
Desired "End State" (what does "Right" look like).

#### 2. What actually happened?

Establish the facts  
Pool multiple perspectives to build a shared picture of what happened.

#### 3. Why did it happen?

Analysis of cause and effect  
Focus on WHAT not WHO.  
Provide progressive refinement for drawing out explanations of what occurred.

#### 4. What are we going to do next time?

Correct Weaknesses  
Focus on items you can fix, rather than external forces outside of your control.

#### Resources:

The Wildland Fire Leadership Development Program website has multiple additional references on conducting effective AARs, many designed specifically for wildland firefighters and leaders.  
Incident Response Pocket Guide, page xii

**Have an idea? Have feedback? Share it.**

## INCIDENT SAFETY ANALYSIS 215a

Delta/Hirz Fire CA-SHF-001444 - Wendsday, October 10, 2018

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All Divisions	Hazard Trees	<ul style="list-style-type: none"> <li>~ Follow "Hazard Tree Safety" guidelines, IRPG page 22.</li> <li>~ Post lookouts, or use a spotter in mop-up areas with personnel.</li> <li>~ Don't park vehicles or take breaks in high concentrations of hazard trees.</li> <li>~ Establish trigger points for disengagement during high wind events.</li> <li>~ Remember that the hazard zone extends a minimum of 2 1/2 tree heights.</li> </ul>
All Divisions	Chain Saw Operations	<ul style="list-style-type: none"> <li>~ Follow "Hazard Tree Safety" guidelines, IRPG Pg 22</li> <li>~ Follow "Procedural Felling Operations" IRPG Pg 85.</li> <li>~ Look up, Look down, Look around for hazard tree indicators.</li> <li>~ Only fell and buck trees within your expertise, and training.</li> <li>~ Do not fall trees during high wind events.</li> <li>~ Ensure proper use of all required PPE.</li> </ul>
All Divisions	Heavy Equipment Operations	<ul style="list-style-type: none"> <li>~ Refer to "Working with Heavy Equipment" IRPG Pg 86</li> <li>~ Ensure communications are established with operators.</li> <li>~ Use hand signals if other communications are unavailable.</li> <li>~ Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber.</li> <li>~ Use a spotter when backing.</li> <li>~ Avoid working below heavy equipment.</li> </ul>
All Divisions	Driving & Traffic	<ul style="list-style-type: none"> <li>~ Practice "Defensive Driving" techniques traveling on all roads and city streets.</li> <li>~ Use spotters &amp; Honk horn to alert personnel when backing.</li> <li>~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts).</li> <li>~ Always use headlights.</li> <li>~ Yield to pedestrians and bicycles.</li> <li>~ Observe posted speed limits.</li> <li>~ Use the 3 second rule for following distance when driving.</li> <li>~ Use chock blocks, turn wheels into hill.</li> <li>~ Avoid distractions (eating, cell phones, radio).</li> <li>~ Ensure that windshields are kept clean of dust and bugs.</li> <li>~ Refer to "Smoke and Transportation Safety" IRPG Pg 31</li> <li>~ Refer to "Roadside Response Safety" IRPG Pg 26</li> <li>~ Scout roads that are wet or muddy prior to committing</li> <li>~ Drive slower in wet conditions on paved roads.</li> </ul>
All Divisions	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> <li>~ Maintain 8'-10' spacing when working &amp; walking.</li> <li>~ Don't work above any personnel.</li> <li>~ Be on the lookout for rolling rocks, debris, or burning material.</li> <li>~ Evaluate necessity to send personnel in areas with limited access.</li> <li>~ Post lookouts IRPG Pg 7</li> </ul>
All Divisions	Fatigue & Over Exertion	<ul style="list-style-type: none"> <li>~ Drink 1 quart of water each hour during and after work.</li> <li>~ Rotate crews out of smoky areas.</li> <li>~ Set a reasonable work pace and allow adequate rest breaks while on the project.</li> <li>~ Stagger work crews start time to limit fatigue.</li> <li>~ Use buddy system to monitor personnel of heat related and fatigue issues.</li> <li>~ Follow work / rest guidelines.</li> </ul>
All Divisions	Fireline Hazards	<ul style="list-style-type: none"> <li>~ Refer to "Fireline Location" considerations, IRPG Pg 84</li> <li>~ Do not work directly above or below personnel during firing and mop-up operations.</li> <li>~ Watch for falling and rolling debris on steep slopes.</li> <li>~ Alert crew personnel of rolling debris by yelling to affected individuals.</li> <li>~ Position debris that could roll vertically on slope.</li> <li>~ Avoid stepping over debris that could roll by walking around object.</li> <li>~ Use caution when working around stump holes/ash pits.</li> <li>~ Avoid radiant heat by wearing appropriate PPE correctly.</li> <li>~ Use correct tool for task assigned.</li> <li>~ Flag and isolate all HAZMAT and alert all personnel working in Division.</li> <li>~ Follow WUI recommendations, IRPG Pg 12.</li> </ul>
All Divisions	Mop-up & Repair	<ul style="list-style-type: none"> <li>~ Do not work above or below personnel during rehab/mop-up operations.</li> <li>~ Alert crew personnel of rolling debris by yelling to affected individuals.</li> <li>~ Position debris that could roll vertically on slope.</li> <li>~ Wear eye protection.</li> </ul>
All Divisions	Communications	<ul style="list-style-type: none"> <li>~ Maintain communication with aviation resources, and suppression organization.</li> <li>~ Ensure all know frequency and protocol for contacting resources.</li> <li>~ Utilize the ICS 205.</li> <li>~ Utilize human repeaters when working in dead spots.</li> </ul>



# MEDICAL PLAN (ICS 206 WF)


1. Incident/Project Name		2. Operational Period		Day			
<b>Delta</b>		Date/Time <b>10/10/18</b>		<b>0700-1800</b>			
3. Ambulance Services							
Name	Location	Phone & EMS Frequency		Advanced Life Support (ALS) Yes      No			
Mountain Medics 2	DP 54	Contact on Command		X			
Mountain Medics 1	DP 72	Contact on Command		X			
4. Air Ambulance Services							
Name	Phone	Type of Aircraft & Capability					
Reach/PHI      15 min eta	911	Air Ambulance – Redding, CA		Day/Night			
Calfire H-202      40 min eta	911	Hoist Rescue– Bieber, CA		Day only			
CHP      15 min eta	911	Hoist Rescue – Redding, CA		Day only			
5. Hospitals							
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air      Gnd		Phone	Helipad Yes      No	Address
Trinity Hospital Level 4	Lat:	N40°44.338	N/A	60 min	530-623-5541	X	60 Easter Ave. Weaverville, CA
	Long:	W122°56.384					
	VHF:						
Mercy Medical Center – Level 2 Trauma	Lat:	N40°34.33	20 min	80 min	530-225-7201 (ER)	X	2175 Roseline Ave. Redding, CA
	Long:	W122°23.80					
	VHF:						
Mercy Medical Center Mt. Shasta Level 3 Truma	Lat:	N41°19.113	15 min	50 min	530-244-5353 (ER)	X	914 Pine St Mt. Shasta, CA
	Long:	W122°19.203					
	VHF:						
UC Davis Level1 Trauma/Burn Center	Lat:	N38°33.30	1 hr	3.5 hrs	916-734-3636 916-734-3790	X	2315 Stockton Blvd. Sacramento, CA
	Long:	W121°27.33					
	VHF:						
6. Division / Crew Pre-plan. Update and discuss with assigned resources daily							
Crew EMTs & Equipment							
Fireline EMTs & Location Adv. Life Support?							
Air Hoist site: Lat: / Long:							
Helispot: Lat: / Long:							
Alternate no-fly plan:							
7. Remote Aid Stations							
McCloud ICP 909 Mill Rd McCloud, CA N41°15.5836 W122°7.5544		Point of Contact:		MEDL – Josh Ramey (530-277-1213) Pete Nelson (805)451-5778			
		EMS Responders & Capability:		Basic Life Support			
		Equipment Available on Site:		Medical Supplies			
		Ambulance ETA :		5 Min			
Coffee Creek Camp N41°03.207 W122°41.930		Point of Contact:		MEDL- Frank Able (423)595-1578			
		EMS Responders & Capability:		Mountain Medics Advance Life Support			
		Equipment Available on Site:		Medical Supplies			
		Ambulance ETA :		45 Min			
8. Prepared By (Medical Unit Leader)		9. Date/Time		10. Reviewed By (Safety Officer)		11. Date/Time	
Josh Ramey- MEDL <i>Joshua Ramey</i> Pete Nelson- MEDL(t) <i>Pete Nelson</i>		10/9/18 1900		James Courtright – SOF2 <i>James Courtright</i>		10/9/18 1900	

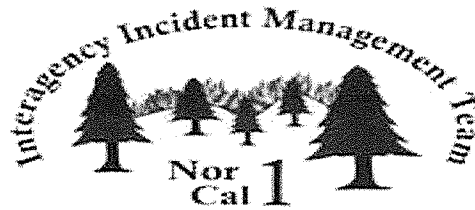


<b>INCIDENT RADIO COMMUNICATIONS PLAN COMMAND</b>	<b>HIRZ CA-SHF-001223 DELTA CA-SHF-001444</b>	Date/Time Prepared 10/9/2018 1800	Operational Period Date/Time 10/10/2018 0700-2000
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Only frequencies listed on this 205 are authorized for use on this incident.		Hand programmers accept all responsibility for the use of unauthorized frequencies.							
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	CMD 1	COMMAND 1	171.5375 N	107.2	164.0875 N	107.2	A	COMMAND ON H-79 LINKED W/ 2,3,4,5,6 C31
2	COMMAND	CMD 2	COMMAND 2	172.6500 N	107.2	164.7500 N	107.2	A	COMMAND ON SUGARLOAF LINKED W/ 1,3,4,5,6 C48
3	COMMAND	CMD 3	COMMAND 3	170.4250 N	107.2	168.0750 N	107.2	A	COMMAND ON LEHIGH LINKED W/ 1,2,4,5,6 C3
4	COMMAND	CMD 4	COMMAND 4	170.4125 N	107.2	165.9625 N	107.2	A	COMMAND ON BONANZA KING LINKED W/ 1,2,3,5,6 C10
5	COMMAND	CMD 5	COMMAND 5	170.0875 N	107.2	162.8125 N	107.2	A	COMMAND ON TOMBSTONE MTN LINKED W/ 1,2,3,4,6, C51
6	COMMAND	CMD 6	COMMAND 6	169.5375 N	107.2	164.7125 N	107.2	A	COMMAND ON GREY BUTTE LINKED W/ 1,2,3,4,5 C8
7	TAC	NIFC T1	Patrol task force	168.0500 N	107.2	168.0500 N	107.2	A	Not assigned
8	TAC	NIFC T3		168.6000 N	107.2	168.6000 N	107.2	A	Not assigned
9	TAC	NIFC T5		166.7250 N	107.2	166.7250 N	107.2	A	Not assigned
10	TAC	NIFC T6	Hirz Repair South Delta Repair North	166.7750 N	107.2	166.7750 N	107.2	A	
11	TAC	NIFC T7	Hirz Repair North Delta Repair South	168.2500 N	107.2	168.2500 N	107.2	A	
12	TAC	TAC 12		162.1625 N	107.2	162.1625 N	107.2	A	Not assigned
13	CALCORD	CALCORD	ALL DIVISIONS	156.0750 N	156.7	156.0750	156.7	A	MEDICAL EMERGENCY TACTICAL
14	A/G	A/G	ALL DIVISIONS	168.3375 N		168.3375 N		A	AIR TO GROUND
15									Not assigned
16	AIR GUARD	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	EMERGENCY ONLY

Prepared by  
 Arnie Irvine, COML *AB Irvine*  
 Incident Location  
 ICP MCCLOUD, CA

Incident Name		Date/Time Prepared		Operational Period Date/Time													
HIRZ CA-SHF-001223 DELTA I/A CA-SHF-001444		10/9/2018 1800		10/10/18, 0700-2000													
Channel Name		Assignment		RX Freq N or W		TX Freq N or W		TX Tone		Mode		Remarks					
Ch #	Function	Channel Name		Assignment		RX Freq N or W		TX Freq N or W		TX Tone		Mode		Remarks			
1	COMMAND	SMMU		I/A		166.9875		CSQ		166.9875		167.9		A		SHASTA MCCLOUD MANAGEMENT UNIT	
2	COMMAND	SHF-R		I/A		171.5750		CSQ		165.0125		OST		A		USFS ECC"REDDING" USE TONE 6 GREY BUTTE MT.	
3	TACTICAL	NIFC T2		I/A		168.2000		CSQ		168.2000				A			
4	TACTICAL	R5 TAC 4		I/A		166.5500		CSQ		166.5500				A			
5	TACTICAL	R5 TAC 5		I/A		167.1125		CSQ		167.1125				A			
6	COMMAND	SERV-R		I/A		171.5000		CSQ		164.8250		OST		A		USE TONE 6 GRAY BUTTE MT.	
7	COMMAND	SKU		I/A		151.3200		156.7		159.3600		OST		A		CDF ECC "REDDING"USE TONE 6 BIG VALLEY	
8	COMMAND	CDF C2		I/A		166.5500		103.5		159.3300		OST		A		USE TONE 8 SOUTH FORK MT.	
9	TACTICAL	CDF T7		I/A		151.3400		192.8		151.3400		192.8		A			
10	TACTICAL	CDF T8		I/A		151.3700		192.8		151.3700		192.8		A			
11	TACTICAL	CDF T9		I/A		151.3850		192.8		151.3850		192.8		A			
12	COMMAND	CDF C10		I/A		151.1900		103.5		159.2250		OST		A		USE TONE 5 BIG VALLEY MT.	
13	COMMAND	SIS CMD		I/A		154.2500		CSQ		156.1050		OST		A		USE TONE 3	
14	TACTICAL	CALCORD		MEDICAL COORDINATION		156.0750		156.7		156.0750		156.7		A			
15	TACTICAL	R5 AG08		AIR TO GROUND		166.8750		CSQ		166.8750				A		I/A AIR TO GROUND	
16	TACTICAL	R5 AG43		AIR TO GROUND		167.6000		CSQ		167.6000				A		I/A AIR TO GROUND	
Prepared by												Incident Location					
Arnie Irvine, COM1 												ICP MCCLOUD, CA					



## **TRAINING SPECIALIST MESSAGE**

**ALL TRAINING DOCUMENTATION  
PACKAGES MUST BE “CLOSED OUT”  
WITH THE TNSP NO LATER THAN  
OCTOBER 11, 18:00 HOURS.**

**BRING THE FOLLOWING TO THE TRAINING  
CLOSEOUT:**

- **COMPLETED WORK IN YOUR TASK BOOK**
- **COMPLETED PERFORMANCE  
EVALUATION ICS 225 OR 226**

**FORMS ARE AVAILABLE AT THE TRAINING  
DESK**

**GREG KURTZ TNSP**

# **Delta-Hirz Fire Suppression Repair**

## **Repair Objectives**

- **Minimize Surface and Gully Erosion**
- **Minimize Loss of Soil Productivity due to Erosion In Cleared Areas**
- **Repair Meadows and Wetlands Damaged By Suppression Activities**
- **Minimize Spread of Noxious Weed Infestations**
- **Minimize Excessive Side-Cast Fuels Along Roads**
- **Minimize Impacts to Inventoried Roadless Areas and Wild & Scenic River Corridors**
- **Repair Impacts to Cultural and Historic Resources**
- **Repair Damage to National Forest Roads and Trails Caused by Fire Suppression Activities**
- **Review by Agency READ/REAFs for On-Site Verification of Objectives Completed**

## **Suppression Repair Focus**

- **Dozer Lines**
- **Hand Lines**
- **Roads and Trails**
- **Safety Zones and Staging Areas**
- **Drop Points**
- **Helispots**
- **Water Sources**

## Effective Waterbars

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

### Recommended spacing for waterbars on firelines.

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

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

*Waterbars should be no more 2-3 feet tall on dozer lines to enable future access.*

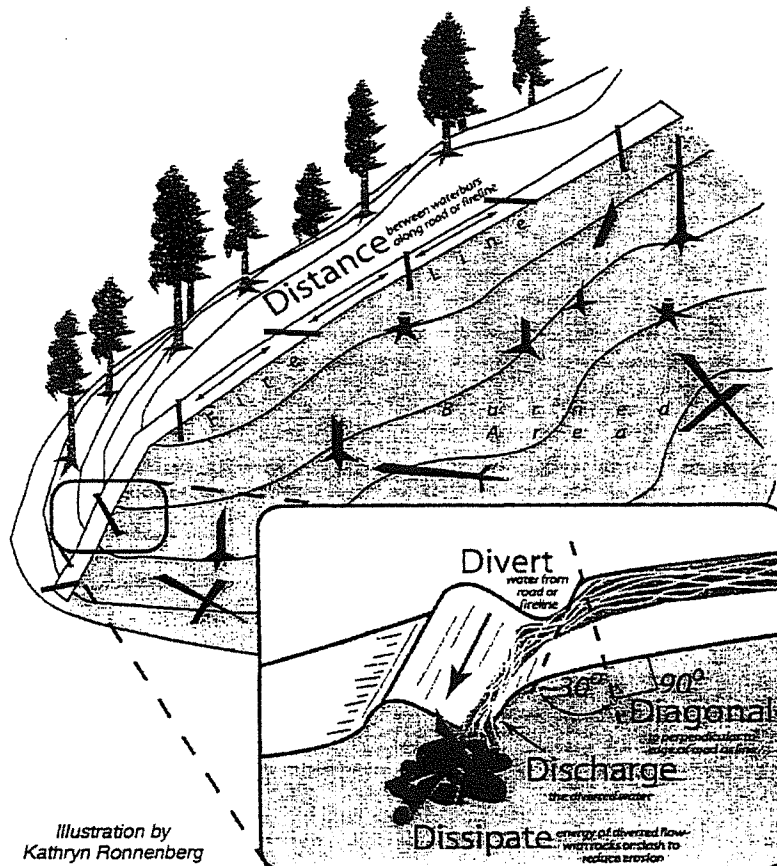


Illustration by  
Kathryn Ronnenberg

## Stage 2 Suppression Repair Guidelines

(Apply to National Forest System Lands only on dozer lines with moderate to heavy suppression generated debris)

### Applicable Suppression Repair Plan Objectives

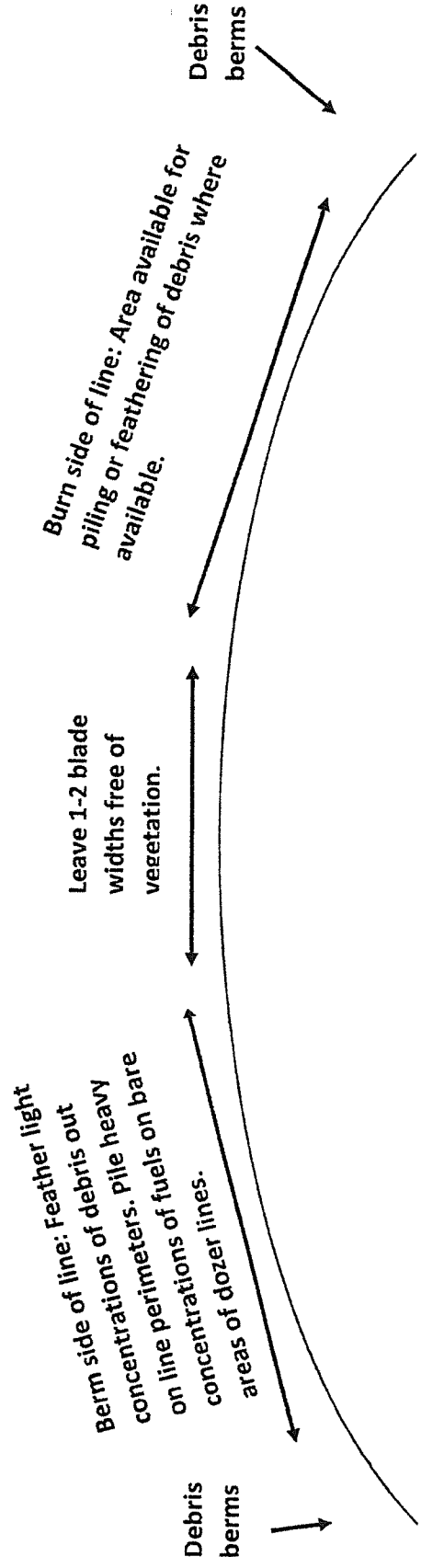
- Minimize loss of soil productivity due to potential erosion in cleared areas.
- Minimize surface erosion.
- Minimize excessive side-cast fuels.

### General Instructions

- Pile excessive amounts of suppression generated debris.
- Smaller concentrations of suppression generated debris can be feathered back into scraped side slope areas in order to breakdown fuel concentrations and reduce erosion.

### Piling Specifications

- Piles should be located at least 10 feet away from tree boles and preferably out of the drip line of the canopy where possible.
- If working in close or closed canopy piles should be built in a configuration that prevents excessive tree scorch (e.g. small piles, windrowed piles).
- If working in large openings on large dozer lines piles can be larger (e.g. 25x25 feet).
- Compress piles as much as possible to improve burn consumption.
- Piles should be clean (free of soil) to ensure adequate consumption during burning and reduced risk of escape in spring.





10/10/2018

TENTATIVE RELEASE

DELTA US-CA-SHF-001444

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C-117	0700	(HC2I)	GFP 15C
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