

South Complex

Incident Action Plan

Monday, September 7th, 2015

Day Shift, 0700 - 1900



- ✓ **Have you seen this guy?**
 - **Hunters may mistakenly get near the fire.**
 - **Make sure that you are highly visible.**

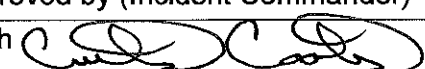
- ✓ **Look up, look down, look around.**
 - **Maintain your situational awareness.**
 - **In times of drought, don't trust a tree.**

- ✓ **Got Camp Crud?**
 - **Wash your hands.**
 - **Cover your cough.**
 - **Get adequate rest.**

CA-SHF-002108, P5J0MZ, (0514)

Shasta Trinity National Forest

Northern California Incident Management Team 1

INCIDENT OBJECTIVES		1. Incident Name		2. Date Prepared		3. Time Prepared	
ICS 202		SOUTH COMPLEX		09/06/2015		2000	
4. Operational Period							
09/07/2015 0700-1900							
5. General Control Objectives for the Incident (include alternatives)							
CONTROL / OPERATIONAL OBJECTIVES: <ol style="list-style-type: none"> 1. Keep the East flank of Pattison fire: <ul style="list-style-type: none"> • South of 4N29 Road in Division W • West of the West Fork of Miners Creek • North of Hayfork Creek 2. Keep all other divisions of the South Fork Complex within current containment lines. 3. Continue implementing fire suppression damage repair in accordance with the approved plan and agency policy. MANAGEMENT OBJECTIVES: <ol style="list-style-type: none"> 1. Provide for Firefighter and Public safety through hazard recognition and application of the risk management process. 2. Utilize Resource Advisors and USFS personnel in identification of suppression repair work. 3. Engage in fire suppression repair operations that are cost effective. 4. Minimize suppression damage to natural and cultural resources. 5. Keep public informed with current and accurate fire information including closure to assist in mitigating public safety concerns. 							
6. Weather Forecast for Period							
See attached spot weather forecast.							
7. General Safety Message							
See attached safety message.							
8. Attachments							
x	Organization List-ICS 203	x	Air Ops Plan ICS-220	x	Fire Weather Forecast		
x	Division Assignment List-ICS 204	x	Incident Map	x	Fire Behavior Forecast		
x	Communications Plan-ICS 205		Traffic Plan	x	Unit Log ICS-214		
x	Medical Plan-ICS 206	x	Safety Message		Vicinity Map		
9. Prepared by				10. Approved by (Incident Commander)			
Walter Herzog				Jay Kurth 			

ORGANIZATION ASSIGNMENT LIST			Communications Unit	Phil Shafer, Harold Reed (†)
1. Incident Name			Medical Unit	Josh Ramey
South Complex			Receiving & Distribution	Fred Johnson
2. Date		3. Time	Security Manager	Mike Turner
September 6, 2015		1630	Food Unit	Jay Westlake, Mark McGuinness (†)
4. Operational Period			Equipment Manager	Mona Lake
Day Shift September 7, 2015			9. Operations Section	
Position	Name		Day Operations	Alec Lane
5. Incident Commander and Staff			Night Operations	
Incident Commander	Jay Kurth		Planning Ops	Curt Lindstrand
Deputy	Kent Swartzlander		a. Division/Groups - Day	
Incident Commander (†)	Curtis Coots (†)		Division/Group H/L/M/Y	Randy Jennings, Ray Dombroski (†)
Safety Officer	Michele Tanzi, Jeff Barnhart		Division/Group O/Q	Bret Davidson
Information Officer	Barbara Rebiskie		Division/Group S/Z/T	Dale Schmidt
Liaison Officer	Kathy Hardy		Division/Group W/X	Nick Bunch
Human Resources			Division/Group	
6. Agency Representative			Division/Group	
Agency Administrator	Dave Myers		Division/Group	
Agency Admin Rep	Tom Hall, Randall Walker		Division/Group	
Shasta NF Duty Chief	Ben Newburn		b. Division/Groups - Night	
Lead Resource Advisor	Matt Scott		Division/Group	
Trinity County Sheriff	Mike Rist		Division/Group	
Trinity County Advisor	Larry Winter		Division/Group	
PG&E	Joe Little		Division/Group	
Hyampom Volunteer FD	Joe Watkins		Division/Group	
Trinity PUD	Rory Barret		c. Air Operations Branch	
CCC	Steven Donnelly		Air Operations Branch Director	Glenn Dietz
7. Planning Section			Air Attack Supervisor	
Chief	Walter Herzog		Air Support Supervisor	
Deputy			Helicopter Coordinator	
Resources / Demob / Documentation / Status-Check-in Unit	Rita Mustafia, Tanya Costello (†)		Air Tanker Coordinator	
Situation Unit	Tim Ritchey		10. Finance Section	
Training	Dominic Panno		Chief	Lois Charlton
CTSP	George Steel		Time Unit	
GISS	Matt Dickinson, Elizabeth Hale, Shawn Thorton		Cost Unit	Kenny Lucien
FBAN	John Wood		Compensation/Claims Unit	Debbie McIntosh
IMET	Phil Manuel		Equipment Time	Lou Ann Charbonnier
SCKN	Ronnee -Sue Helzner		PTRC	Alexandra Behr
8. Logistics Section			Prepared by (Resource Unit Leader)	
Chief	Ken Kumpe, Richard Sheets (†)		Tanya Costello (†)	
Deputy			Approved by (Planning Section Chief)	
Supply Unit	Dave Alicea (†)		Walter Herzog	
Ordering	Ron Pierce, Tamara Hanna			
Facilities Unit	Jeff Huhtala, Richard Crowther (†)			
Ground Support Unit	Harry Zabel			

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group H/L/M/Y 1 OF 2			
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 7, 2015 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	ALEC LANE	Division/Group Supervisor	RANDY JENNINGS, RAY DOMBROSKI (T)				
Planning Ops.	CURT LINDSTRAND	Air Ops. Branch	GLENN DIETZ				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC- T2IA FIRESTORM #15 C-114	DUANE FIELDS	9/9	20	N	0700	1900	
HC-T2IA GFP ENT. C-113	JASON CAMPBELL	9/11	20	N	0700	1900	
ENG S/T – T3 – 3660C CA-PNF E-338	COTTINGHAM/ LONG (t)	9/13	27	N	0700	1900	
ENG T3 CA-SHF 12 - E-335	MATT PUCKETT	9/12	5	N	0700	1900	
ENG - T3 - HYM 3331 E-224	MIKE BYRD	9/29	2	N	0700	1900	
WT-T2 #21 E-293	DENNIS FRANKLIN	9/9	1	N	0700	1900	
DOZ T2 HAYS EQUIP. E-170	CHARLIE CIGANOVICH	9/10	1	N	0700	1900	
EXCAV-T3-WILCOX CO. E-332	RICK WILCOX	9/12	1	N	0700	1900	
EXCAV-T2-KIRACK E-328	POTTER	9/10	1	N	0700	1900	
EVCAV-T2 CROSS COUNTRY E-327	BYRON CROSS	9/10	1	N	0700	1900	
EXCAV-T2- LEPAGE CO. E-223	BROOKS / STIEFF	9/11	2	N	0700	1900	
CHIPPER FIRESTORM E-309	TYSON LOWE	9/7	1	N	0700	1900	
MAST T2 CARLSON CONST. S-24	CASEY CARLSON	9/13	1	N	0700	1900	
TFLD O-775	CASEY LOVELL	9/15	1	N	0700	1900	
TFLD (t) O-776	JESSE LOEFFLER	9/15	1	N	0700	1900	
TFLD O-770	DAVE BAKAS	9/17	1	N	0700	1900	
7. Control Operations Mop up as needed to maintain containment. Continue to patrol and secure lines. Continue suppression repair on contingency lines and control lines as well as assess and repair Drop Points and roads in coordination with READS.							
Special Instructions: Identify resources available to respond for initial attack. Utilize water use log sheet and turn into DIVS at end of shift. Coordinate with ground support to backhaul any miscellaneous equipment and trash. All suppression repair activities will be coordinated by the lead READ. Check in with lead READ at end of shift to track suppression repair work. Remove flagging if no longer in use. AMR Medic 230 staged at DP-19							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command	1	NIFC C3	168.0750 N	131.8	170.4250 N	131.8	
Command	2	NIFC C31	163.5750 N	131.8	169.7250 N	131.8	
Tactical	5	NIFC T3	168.6000	131.8	168.6000	131.8	
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N		
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date September 6, 2015		

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group H/L/M/Y 2 OF2	
3. Incident Name SOUTH COMPLEX			4. Operational Period Date: September 7, 2015 Time: 0700 - 1900			
5. Operations Personnel						
Operations Chief	ALEC LANE		Division/Group Supervisor		RANDY JENNINGS, RAY DOMBROSKI (T)	
Planning Ops.	CURT LINDSTRAND		Air Ops. Branch		GLENN DIETZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
TFLD (t) O-771	JENNIFER McDOWELL	9/17	1	N	0700	1900
HEQB O-772	AARON LATA	9/22	1	N	0700	1900
HEQB (t) O-777	KRISTOPHER DARNALL	9/16	1	N	0700	1900
HEQB (t) O-791	RICHARD LUCIUS	9/18	1	N	0700	1900
FOBS (t) O-630	BLAKE ABBOTT	9/9	1	N	0700	1900
SOFR O-695	THOMAS DONOHOE	9/14	1	N	0700	1900
SOFR (t) O-787	BRAD PALMER	9/19	1	N	0700	1900
FEMT O-786	JOSH TUCKER	9/19	1	N	0700	1900
READ O-424	DENICE EDGAR	9/8	1	N	0700	1900
READ O-666	RAY CABLAYAN	9/11	1	N	0700	1900
READ O-773	BRENNA MONTAGNE	9/16	1	N	0700	1900
READ O-613	NICOLE BRILL	9/10	1	N	0700	1900
7. Control Operations Mop up as needed to maintain containment. Continue to patrol and secure lines. Continue suppression repair on contingency lines and control lines as well as assess and repair Drop Points and roads in coordination with READS.						
Special Instructions: Identify resources available to respond for initial attack. Utilize water use log sheet and turn into DIVS at end of shift. Coordinate with ground support to backhaul any miscellaneous equipment and trash. All suppression repair activities will be coordinated by the lead READ. Check in with lead READ at end of shift to track suppression repair work. Remove flagging if no longer in use. AMR Medic 230 staged at DP-19						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C3	168.0750 N	131.8	170.4250 N	131.8
Command	2	NIFC C31	163.5750 N	131.8	169.7250 N	131.8
Tactical	5	NIFC T3	168.6000	131.8	168.6000	131.8
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N	
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date September 6, 2015	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group O/Q			
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 7, 2015 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	ALEC LANE		Division/Group Supervisor		BRET DAVIDSON		
Planning Ops.	CURT LINDSTRAND		Air Ops. Branch		GLENN DIETZ		
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator		Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
ENG T6 OUTBACK E-8		LEE HOWARD	9/13	3	N	0700	1900
ENG T6 RAMOS EAGLE E-272		ROBERT MORRIS	9/13	3	N	0700	1900
FEMP O-784 (Share w/ DIV S/Z/T)		PAUL MOEN	9/19	1	N	0700	1900
FEMP O-785 (Share w/ DIV S/Z/T)		MIKE JACOB	9/19	1	N	0700	1900
SOF2 O-774 (Share w/ DIV S/Z/T)		CURT SCHWARM	9/15	1	N	0700	1900
7. Control Operations Continue to patrol and secure lines.							
Special Instructions: Identify resources available to respond for initial attack. Remove flagging if no longer in use. AMR Medic 230 staged at DP-19							
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command	2	NIFC C31	163.5750 N	131.8	169.7250 N	131.8	
Tactical	4	NIFC TAC 1	168.0500	131.8	168.0500	131.8	
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N		
Prepared by (Resource Unit Leader) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog		Date September 6, 2015		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group S/Z/T 1 OF 2			
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 7, 2015 Time: 0700 - 1900					
5. Operations Personnel							
Operations Chief	ALEC LANE	Division/Group Supervisor		DALE SCHMIDT			
Planning Ops.	CURT LINDSTRAND	Air Ops. Branch		GLENN DIETZ			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time	
HC2 OC 36 C-111	BRIAN ETHERIDGE/MATT READ (t)	9/11	20	N	0700	1900	
ENG3 FIRESTORM E-289	TOMMEL VANCE	9/13	3	N	0700	1900	
ENG6 SHANK E-18	RYAN FLORES	9/11	3	N	0700	1900	
ENG6 MOUNT ADAMS #323 E-329	PAULA HOLTER / ARRON PHILLIPS (t)	9/11	3	N	0700	1900	
ENG6 MOUNT ADAMS #322 E-331	DONALD HOLTER / MIKE STUTTS (t)	9/11	3	N	0700	1900	
WT-T2 DARRAH LOGGING E-37	MARVIN DARGER	9/12	1	N	0700	1900	
WT-T2 WILLMORE ENT. E-32	WAYNE TRUMBLY	9/13	1	N	0700	1900	
WT-T2 DARRAH LOGGING E-234	WAYNE VIRAG	9/12	1	N	0700	1900	
WT-T2 CA-TNF # 4289 E-291	PEDRO BARBA	9/8	1	N	0700	1900	
DOZ-T1-BEN'S TRUCK #19 E-109	BILL SCARBOROUGH	9/10	1	N	0700	1900	
DOZ2 MODOC #4 E-279	PERRY ST. JOHN/ INSLEY (T)	9/15	2	N	0700	1900	
EXCA2 NORTH RIVERS E-319	TIM BECK	9/13	1	N	0700	1900	
EXCA2 ELLENBERGER E-320	WALBERG	9/10	1	N	0700	1900	
EXCA2 WANNER ENT. E-333	ZANE CLAIRE	9/13	1	N	0700	1900	
SKIDDER CRANE MILLS E-553	SHAWN CARTER	9/19	1	N	0700	1900	
GRADER E-334	ED STONE	9/13	1	N	0700	1900	
HEQB O-751	DARREN BEATY	9/15	1	N	0700	1900	
HEQB O-752	MICHAEL GROSENBACH	9/15	1	N	0700	1900	
TFLD O-765	KARL FOWLER	9/17	1	N	0700	1900	
TFLD (t) O-795	BRIAN MIDTLYNG	9/17	1	N	0700	1900	
TFLD (T) O-568	KURT STEELE	9/8	1	N	0700	1900	
9. Division Group Communication Summary							
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone	
Command	2	NIFC C31	163.5750 N	131.8	169.7250 N	131.8	
Command	3	NIFC C39	173.8750N	131.8	163.6625N	131.8	
Tactical	7	R5 TAC 5	167.1125 N	131.8	167.1125 N	131.8	
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N		
Prepared by (Resource Unit Leader) Tanya Costello (t)		Approved by (Planning Section Chief) Walter Herzog			Date September 6, 2015		

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group S/Z/T 2 OF 2	
3. Incident Name SOUTH COMPLEX			4. Operational Period Date: September 7, 2015 Time: 0700 - 1900			
5. Operations Personnel						
Operations Chief	ALEC LANE		Division/Group Supervisor		DALE SCHMIDT	
Planning Ops.	CURT LINDSTRAND		Air Ops. Branch		GLENN DIETZ	
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
TFLD O-566	PATRICK DOYLE	9/7	1	N	0700	1900
TFLD (t) O-789	DUANE KNIGHTON	9/18	1	N	0700	1900
STEQ O-513	JEFFERY SMITH	9/9	1	N	0700	1900
FOBS O-757	BEAU RICHWINE	9/16	1	N	0700	1900
SOFR O-744 (Share w/ DIV O/Q)	CURT SCHWARM	9/15	1	N	0700	1900
FEMP O-784 (Share w/ DIV O/Q)	PAUL MOEN	9/19	1	N	0700	1900
FEMP O-785 (Share w/ DIV O/Q)	MIKE JACOB	9/19	1	N	0700	1900
READ O-144	MIGUEL JEFFREY	9/7	1	N	0700	1900
READ O-774.34	KRISTEN LARK	9/16	1	N	0700	1900
READ O-779	JOHAN HOGERVORST	9/17	1	N	0700	1900
READ O-796	BLAKE CREAGAN	9/19	1	N	0700	1900
THSP O-768	STACY HIGHTOWER	9/15	1	N	0700	1900
7. Control Operations Mop up as needed to maintain containment. Continue to patrol and secure lines. Continue suppression repair on contingency lines and control lines as well as assess and repair Drop Points and roads in coordination with READS.						
Special Instructions: Identify resources available to respond for initial attack. Utilize water use log sheet and turn into DIVS at end of shift. Coordinate with ground support to backhaul any miscellaneous equipment and trash. All suppression repair activities will be coordinated by the lead READ. Check in with lead READ at end of shift to track suppression repair work. Remove flagging if no longer in use. AMR Medic 230 staged at DP-19.						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	2	NIFC C31	163.5750 N	T3,131.8	169.7250 N	T3,131.8
Command	3	NIFC C39	173.8750N	T3,131.8	163.6625N	T3,131.8
Tactical	7	R5 TAC 5	167.1125 N	T3,131.8	167.1125 N	T3,131.8
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N	
Prepared by (Resource Unit Leader) Rita Mustatia			Approved by (Planning Section Chief) Walter Herzog		Date September 6, 2015	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group W/X		
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 7, 2015 Time: 0700 - 1900				
5. Operations Personnel						
Operations Chief	ALEC LANE	Division/Group Supervisor		NICK BUNCH		
Planning Ops.	CURT LINDSTRAND	Air Ops. Branch		GLENN DIETZ		
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	LWD	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time
HC-T2IA HELI 502 A-11	BRIAN BATES		10	N	0700	1900
FEMP O-5492	FRANK GALLO	9/7	1	N	0700	1900
SOF2 O-774.58	JEFF BARNHART	9/16	1	N	0700	1900
7. Control Operations Establish heli spot on excavator ridge. Cold trail and secure fires edge in Gates Creek Drainage.						
Special Instructions: AMR Medic 230 staged at DP-19						
9. Division Group Communication Summary						
Function	Channel	Channel Name	RX Frequency N/W	RX Tone	TX Frequency N/W	TX Tone
Command	1	NIFC C3	168.0750 N	131.8	170.4250 N	131.8
Command	3	NIFC C39	173.8750N	131.8	163.6625N	131.8
Tactical	6	R5 TAC 4	166.5500	131.8	166.5500	131.8
Air to Ground	8	A/G CMD	168.7375 N		168.7375 N	
Prepared by (Resource Unit Leader) Tanya Costello (1)			Approved by (Planning Section Chief) Walter Herzog		Date September 6, 2015	



South Complex Fire Weather Forecast



FORECAST NO: 62

NAME OF FIRE: South Complex

PREDICTION FOR: Monday Day Shift

UNIT: Shasta-Trinity National Forest

SHIFT DATE: Sep 7, 2015
TIME AND DATE

SIGNED: *Phil Manuel* 

Phil Manuel
Incident Meteorologist

FORECAST ISSUED: Sep 6, 2015 @ 1800 PDT

WEATHER DISCUSSION: *...Rising Temperatures And Low Humidity...*

As the week unfolds expect abundant sunshine, steadily rising temperatures, low humidity and terrain driven winds. High pressure will also result in a subsidence inversion. This will lead to reduced ventilation and a thermal belt at night along the mid/upper slopes with poor overnight humidity recovery.

Weather Forecast for Monday:

Weather: Sunny.

High Temperature ... Midslopes/Ridges 74-80. **Lower valleys (camp)** 85-90.

Min RH (Midslopes/Ridgetops/valleys)... 14-19%

20-FOOT WINDS:

Ridgetop..... North-Northwest 4-8 mph.

MidSlope..... Upslope 2-5 mph.

Valley..... Upvalley 3-7 mph. Gusts of 10 mph during the afternoon and evening.

Weather Forecast for Monday Night: *...Poor Humidity Recovery...*

Weather: Mostly Clear. Poor humidity recovery along the upper slopes and ridge tops.

Low Temperature (Ridgetops)... 52-56.

Low Temperature (Valleys)..... 47-52.

Max RH (Midslopes/Ridgetops)..... 40-50% before midnight, then falling to around 20% toward daybreak Tuesday.

Max RH (Valleys)..... 65-75%.

20-FOOT WINDS:

Ridgetop..... Northeast 3-6 mph.

Slope/Valley..... Up valley 2-5 mph until 2200, then down valley drainage 1-3 mph.

Weather Forecast for Tuesday:

Weather: Sunny & Much Warmer.

High Temperature ...Midslopes/Ridges 78-83. **Lower valleys (camp)** 88-93.

Min RH (Midslopes/Ridgetops/Valleys)..... 12-18%.

20-FOOT WINDS:

Ridgetop..... Variable Less than 7 mph.

UpSlope/UpValley..... 3-6 mph. Up-valley gusts 7-10 mph late afternoon and evening.

OUTLOOK for Wednesday Through Friday: *~ ~ ~ Heat Wave ~ ~ ~*

Hot and Dry. No rain. No clouds. Above normal temperature. Highs 92-97 valleys and in the 80s across the higher elevations. Minimum RH 12-18%. Lows in the 50s to lower 60s. Poor humidity recovery in the higher elevations. Fair recovery in the valleys.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 62	TYPE OF FIRE: Wildland Fire
FIRE NAME: South Complex	OPERATIONAL PERIOD: 9/07, 0700 to 1900
DATE ISSUED: 9/06/15	TIME ISSUED: 2000
UNIT: Shasta Trinity National Forest	SIGNED: /s/ John Wood FBAN

INPUTS

WEATHER SUMMARY: As the week unfolds expect abundant sunshine, steadily rising temperatures, low humidity and terrain driven winds. High pressure will also result in a subsidence inversion. This will lead to reduced ventilation and a thermal belt at night along the mid/upper slopes with poor overnight humidity recovery.

Expect maximum temperatures Ridges: 74-80, Valleys: 85-90 Minimum humidity, 14-19%. 20 foot winds: Ridges north 4-8 mph, Mid-Slope: upslope 2-5 mph, Valleys: up valley 3-7 with gusts to 10 during the afternoon and evening.

OUTPUTS

GENERAL: Areas with heat and available fuels will show some activity. As temperatures warm and relative humidity lowers expect aspect to show more influence over development of fire activity as south and west slopes will heat and dry faster than north and east slopes. The presence and amount of light fuels will raise the potential for fire activity, especially on south and west slopes. With shorter days fuels will need more time to reach burnable levels each day, though as we get back to warmer drier days this effect may not make a noticeable difference. Exposed fuels will have a faster drying time than sheltered fuels both because of exposure to wind and solar heating aiding the drying process. Fire spread will likely be limited to small areas that could support active fire spread and a change in slope, aspect and fuel moistures could substantially change spread potential. Needle cast from scorched or underburned trees will continue to fall adding some potential for fire spread and may be a concern in areas with viable heat sources.

Backing/Flanking rate of spread up to 2 ch/hr, flame lengths 1-3 feet.

Head fire:

Timber understory rate of spread 3-12 ch/hr, flame lengths 2-9 feet

Timber litter rate of spread up to 3 ch/hr, flame lengths around 2 feet

Shrub fuels rates of spread could reach 25ch/hr, flame lengths 5-7 feet.

SPECIFIC: Fine fuel moisture 6% 1000 hr 12% Probability of ignition 55-75% Spot distance about a 1/4 mile.

All Divisions: Within the perimeter of the South Complex fires the potential for fire activity is dependent on the presence of burnable fuel and a heat source. Be aware of these situations as you are out performing repair work and may be farther inside the fire than mop will or has been done. Consider the implications of your actions and give it a look considering fire potential.

Outside the fire perimeter fuels are rapidly approaching or have recovered to their pre-rain dryness levels. Fire activity in "green" fuels has potential for active spread. The most active spread would be in the afternoon during the heat of the day. Wind as always is a dynamic influence on fire behavior and can cause rapid increases in activity.

Fuels are dry enough to support intense burning and the heat generated by concentrations and jack pots will be sufficient to cause torching, like up on Division T, two days ago. Ladder fuels will also provide opportunity to develop torching. Spotting will become more of a concern especially as the weather warms and dries.

AIR OPERATIONS

Smoke should not impact air operations.

Safety Message

Watch footing while walking through the black. Look for stump holes and ash pits that may continue to hold heat or areas where roots, stumps or wood may have burned out leaving weakened ground with coals or hot ash. Maintain vigilance for overhead hazards.

ICS 205 INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name
South Complex

Date & Time Prepared
9/6/2015 (1400)

Operational Period Date/Time
9/7/2015 (0700-1900)

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/Turkred Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NA/C	TX Freq N or W	Tx Tone/NA/C	Mode A, D or M	Remarks
1	Command	NIFC C-3	All Divisions	168.0750 N	T3,131.8	170.4250 N	T3,131.8	A	LimeDykeMT linked to CMD Net
2	Command	NIFC C-31	All Divisions	163.5750 N	T3,131.8	169.7250 N	T3,131.8	A	IronsidesMT linked to CMD Net
3	Command	NIFC C-39	All Divisions	173.8750 N	T3,131.8	163.8625 N	T3,131.8	A	HayforkBallyMT linked to CMD Net
4	Tactical	NIFC T1	Div O / Q	168.0500 N	T3,131.8	168.0500 N	T3,131.8	A	
5	Tactical	NIFC T3	Div H/L/M/Y	168.6000 N	T3,131.8	168.6000 N	T3,131.8	A	
6	Tactical	R5 TAC4	Div W / X	166.5500 N	T3,131.8	166.5500 N	T3,131.8	A	
7	Tactical	R5 TAC5	Div S / Z / T	167.1125 N	T3,131.8	167.1125 N	T3,131.8	A	
8	Air to Ground	AG CMD	All Divisions	168.7375 N	CSQ	168.7375 N		A	South Complex Air to Ground
9	Command	NIFC C-37	All Divisions(Route)	172.5500 N	T6,156.7	162.7750 N	T6,156.7	A	Route Command NET
10	Tactical	NIFC T2	IA	168.2000 N		168.2000 N		A	Initial Attack
11	AG Primary	R5 AG 43	IA	167.6000 N		167.6000 N		A	Primary IA Air to Ground
12	AG Secondary	R5 AG 08	IA	166.8750 N		166.8750 N		A	Secondary IA Air to Ground
13	SHE Command	PLUMMER	Forest NET	171.5750 N		169.1000 N	T11,114.8	A	SHE Plummer Peak
14	SHE Command	HAYFORK	Forest NET	171.5750 N		169.1000 N	T4,136.5	A	SHE Hayfork Bally
15	MEDICAL	CALCORD	Medical	156.0750 N		156.0750 N	T6,156.7	A	
16	Air Guard	AIR GUARD	All Divisions	168.6250 N		168.6250 N	T1,110.9	A	Urgent Aircraft Contact
17								A	
18								A	
19								A	
20	Air Guard	AIR GUARD	All Divisions	168.6250 N		168.6250 N	T1,110.9	A	Urgent Aircraft Contact

Approved By & Position Title
 Incident Location: Hyampom, CA
 County: Trinity State: CA Latitude 40° 37.399'N, Longitude 123° 27.92'W

Convention calls for frequencies to show four digits to the right of the decimal point, followed by either an "N" or a "W", N being Narrow, W being 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 base station, mobile or portable radio. Repeater and base stations will be programmed with the Rx and Tx reversed.

OST=Operator Selectable Tone

AIR OPERATIONS SUMMARY

Prepared By: Glenn Dietz

Prepared Date: Sept 6, 2015

Prepared Time: 1900

1. INCIDENT NAME: SOUTH COMPLEX (CA-SHF-2108) FORK COMPLEX (CA-SHF-2067)	2. OPS PERIOD DATE: Sept. 7, 2015	START TIME: 0700	END TIME: 2000	SUNRISE: 0645	SUNSET: 1937
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): **Be aware of terrain influenced winds & wires crossing the Trinity River watershed as well as powerlines through the center of the South fire, East-West. **Reference SHF Air Hazard Map as well as South & Fork Air Ops Maps available on ftp site. Track where water was taken from. All buckets/tanks must be cleaned after dipping out of the main stem Trinity River & before dropping on the South Complex.			4. READY ALERT AIRCRAFT MEDEVAC: H-553 ***CALCORD TONE 6***		5. TFR #: NO TFR
			INITIAL ATTACK: H-506		

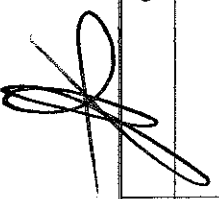
6. PERSONNEL	NAME	PHONE #	7. FREQUENCIES	AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base
AOBD	Glenn Dietz	ICP: 530-628-4970 Cell: 530-227-0017	AIR/AIR RW-FF	125.325		AIRTANKERS- Order through RICC as needed.
ASGS			AIR/ AIR RW-FF			LEAD PLANES- Order through RICC as needed.
			AIR TO GROUND		168.7375	ATGS AIRCRAFT- Order through RICC as needed.
HLCO			COMMAND		SEE COMM PLAN	
HEB2	Brian Bates	530-286-2249	DECK		163.1000	
HEB2(I)	Josh Wilson	530-286-2251	TOLC			
			MEDIVAC ON CALCORD		156.0750	OTHER FW AIRCRAFT-
					156.0750	

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
H-553	3	Bell 407	Trinity HLB	0700	0800	Pax, Bucket, PSD, Recon							
H-506	2	Bell 205 A1	Trinity HLB	0700	0800	Pax, Bucket, Recon							

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applicable) or instructions for tactical aircraft	MISSION START	FLY FROM	FLY TO
Recon	As needed, order through AOBD.			
Water Dropping	As needed, order through AOBD.			
Intel Flight	Firewatch 509	1000	RDD	South - Fork



MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name		2. Operational Period		
South Complex		Date/Time 9/7/15 0700-1900		
3. Ambulance Services				
Name	Location	Phone & EMS Frequency	Advanced Life Support (ALS) Yes No	
AMR medic 230 – Incident Amb.	Day – DP 19 Night - ICP	Contact on Command	X	
Hyampom Fire Dept. Ambulance	Hyampom, CA	911 or 530-623-8128	X	
Trinity County Ambulance	Hayfork, CA	911 or 530-623-8128	X	
4. Air Ambulance Services (COORDINATE with AIR AMBULANCES on CALCORD tone 6)				
Name	Phone	Type of Aircraft & Capability		
H-553 18 min eta	Contact air ops on Command	Assigned to incident and River complex		
Reach or PHI 30 min eta	911 or 530-623-8128 (Trinity Co. Sheriff)	Air Ambulance – Redding, CA Day/Night		
Coast Guard Up to 1:15 hr eta	911 or 707-839-6100	Hoist Rescue – Eureka, CA Day/Night		
CHP 30 min eta	911 or 530-623-8128 (Trinity Co. Sheriff)	ALS Hoist Rescue – Redding, CA		
5. Hospitals				
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes	Travel Time Air Gnd	Helipad Yes No	Address
Trinity Hospital	Lat: N40°44.34	20 min 2 hrs	X	410 N. Taylor St. Weaverville, CA
	Long: W122°56.39			
	VHF:			
St. Joseph Hospital	Lat: N40°47.02	30 min 2 hrs	X	2700 Dolbeer, Eureka, CA
	Long: W124°08.48			
	VHF:			
Shasta Regional Medical Center	Lat: N40°35.15	35 min 3 hrs	X	1100 Butte, Redding, CA
	Long: W122°23.25			
	VHF:			
UC Davis Level I Trauma/Burn Center	Lat: N38°33.17	1.5 hrs 6 hrs	X	2315 Stockton Blvd. Sacramento, CA
	Long: W121°27.05			
	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				
South Medical Unit– ICP Hyampom, CA N40°37.514 W123°28.019	Point of Contact:	MEDL – Josh Ramey 530-628-4840		
	EMS Responders & Capability:	Frontline Medical – Advanced Life Support		
	Equipment Available on Site:	Medical supplies		
	Ambulance ETA :	Air – 30 min. Ground – 10 min.		
8. Prepared By (Medical Unit Leader)		9. Date/Time	10. Reviewed By (Safety Officer)	11. Date/Time
Josh Ramey – MEDL 530-277-1213 <i>Joshua Ramey</i>		9/6/15 1800	Michele Tanzi <i>Michele Tanzi</i>	9/6/15 1800

Injury or Incident Communications Protocol

DECLARE: Medical Emergency or Non-emergency Medical transport

Best transport method: (circle) Ambulance Helicopter Vehicle

Location: (Div. & Lat / Long)_____

GPS Format: WGS84 Degrees, Decimal minutes

Situation_____

Any special equipment required_____

Number of injured _____ Type of injuries_____

Closest pick up point (DP, Helispot)_____

Level of consciousness _____ Resp. _____ Pulse _ BP _____ Weight _
(alert & oriented x 1-4)

Injury_____ Agency/Crew (No Names)_____

Medical History/Allergies _____

Air Transportation Triage

	Ground or Air Ambulance to Hosp.	Transport to Med Unit
Mechanism	Hit by a falling tree or large branch Fall of 10' or more Insect bite with shortness of breath Signs of heat stroke (hot, dry, disoriented) Burn Injury greater than 1% body area	Minor dehydration Cut or laceration with bleeding controlled Minor bites and Stings Minor burns
Area Injured	Significant Blunt or Penetrating Trauma to Head, Neck, Chest, Abdomen or pelvis Any Arm or Leg fracture above the Joint	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains Simple fracture below elbow or knee
Symptoms	Disoriented Chest Pain <u>or</u> Shortness of Breath Weak or absent radial pulse Pale, cold and sweating	Alert and oriented No shortness of breath Good pulses

Medivac Sites

H 1 - N40°41.674 x W123°26.164 H 2 - N40°42.833 x W123°31.051

H 3 - N40°44.081 x W123°30.039 Hyampom Airstrip (ICP) – N 40°37.514 x W123°28.019

If air or ground ambulance is DELAYED:

Package and transport patient to rendezvous with ambulance. Re-route EMS helicopter to rendezvous point as appropriate.

If Declaring an "Incident within the Incident"

The closest DIVS will respond to manage the incident. They are responsible for giving an accurate size up, ensuring scene safety, setting priorities and initiating an appropriate response.
The closest Safety Officer and Line EMS will respond to the scene to assist the DIVS. Secure site and begin initial investigation when situation is stabilized.

**SOUTH COMPLEX RISK ANALYSIS (215a)
Day Shift, September 7th, 2015**

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
All	Danger/Hazard Trees	<ul style="list-style-type: none"> Follow the Hazard Tree Safety guidelines on pages 22 & 23 of the IRPG. Survey work area/parking area for hazard trees prior to committing resources Mitigate hazard if safe to do so by qualified personnel, or flag off area, deny entry and make it known to all Establish trigger points for disengagement during high wind events
ALL	Medical Emergencies	<ul style="list-style-type: none"> Review, understand and discuss with your resources the Medical Plan in the IAP. Develop Division/Crew Pre-Plan in block #6 on the Medical Plan and fill in necessary information to assist you with an Incident within an Incident. Base all operational decisions and activities on these 3 questions: <ol style="list-style-type: none"> What are we going to do if someone gets hurt? How will we get them out of here? How long will it take to get them to a hospital? If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics. Have Alternate plan in place when aircraft is grounded due to visibility issues. If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance. Re-route EMS helicopter to rendezvous point as appropriate Be aware of Rotor Wash & its effect on Fire behavior when the extraction point is next to an active fire edge. (Divisions T, W, X) <ul style="list-style-type: none"> If possible, MOVE patient to an area with less fire activity
ALL	Hydration & Heat Illness	<ul style="list-style-type: none"> Pre-hydrate, Re-hydrate! Dehydration is preventable.....Drink a minimum of ½ qt/hr Do NOT mix with water or dilute electrolyte drink. It must be consumed as is for the body to absorb properly. Low volumes of dark, concentrated urine or painful urination indicate a serious need for rehydration, & medical attention. Pace work to avoid heat injuries Refer to Medical Plan for additional EMS care and Evacuation
ALL	Communications	<ul style="list-style-type: none"> RE-CLONE TODAY! Ensure you have received the most current communications plan, and your radios have been cloned to it BEFORE heading out to your work area. Use human repeaters in areas with sketchy communications. Refer to the 5 communication responsibilities listed on page ix in the 2014 IRPG
W/T/X	Aircraft Operations till 2000	<ul style="list-style-type: none"> Review and discuss Aviation Watch Out Situations listed in IRPG pg 44 Ensure the mission is necessary Evaluate risk vs gain for each mission/target. Utilize ground resource contact with aircraft for bucket work. Use aerial Supervision and maintain separation.
W/T/X	Fire Behavior	<ul style="list-style-type: none"> Ensure a solid anchor point and flank. Use experienced LOOKOUTS under these conditions. Monitor weather conditions. Be aware of visual indicators (clouds, WX obs., cold front passage) Maintain adequate escape routes and safety zones. Set trigger points when appropriate. Communicate any changes. Spotting Potential still exists...up to ¼ mile. "Eyes to the green"
ALL & ICP	Driving Hazards	<ul style="list-style-type: none"> Reduce speed in Developed Areas. Be watchful of local traffic & pedestrians. SEAT BELTS ON...LIGHTS ON...BEFORE wheels turn!.....even in ICP Reduce driving speeds to allow for reaction time lag. Expect the unexpected around every curve. Don't drive when fatigued. Adhere to agency driving regulations and guidelines. Review and adhere to the driving protocols in today's IAP.
H,L,M, O,Q,S, T,Y,Z	Heavy Equipment Operations	<ul style="list-style-type: none"> Ensure that communications are established with the operator. Radio Commo is Required! Make positive eye contact with the operator before being requested to approach the equipment. Maintain a 50' to 100' exclusion area around working equipment. Use a spotter when backing, use qualified operators, and assign appropriate overhead.
ALL	Biting, Stinging Insects, & Critters	<ul style="list-style-type: none"> If allergic to bee stings, let your DIVS & Medic/EMT's know. Leave wildlife alone. Backhaul ALL Trash please.
ALL	Complacency	<ul style="list-style-type: none"> Maintain focus! The job isn't done till we're home with our families Don't let your operations fall into the "routine" category. Maintain situational awareness in all activities. The first step to an accident involves the false belief that experience makes you invulnerable.
INCIDENT NAME South Complex ICS 215a		DATE PREPARED: <p align="center">September 6th, 2015</p> TIME PREPARED: 1930 HOURS
		OPERATIONAL PERIOD Monday, Day Shift 9/7/2015, 0700 - 1900 Prepared by: Tanzi – SOF1, Bamhart – SOF2, Schwarm – SOF2(t)

Warning Signs and Symptoms of Heat Stress and Illness

With any of the below symptoms or signs, immediately call for medical evaluation by a 91W (Medic). If 91W is not immediately available, call for Medevac or ambulance.

Indications of Possible Heat Casualty	
<p>MORE COMMON SIGNS/SYMPTOMS</p> <ul style="list-style-type: none"> • Dizziness • Headache • Nausea • Unsteady walk • Weakness or fatigue • Muscle cramps 	<p>IMMEDIATE ACTIONS</p> <ul style="list-style-type: none"> • Remove from training • Allow casualty to rest in shade • Take sips of water • While doing the above, call for a Medic to evaluate the Soldier (Medic will monitor temperature and check for mental confusion) • If no Medic is available call for ambulance or Medevac. Ensure same Trainer keeps monitoring the casualty.
<p>SERIOUS SIGNS/SYMPTOMS</p> <ul style="list-style-type: none"> • Hot body, high temperature • Confusion, agitation (Mental Status Assessment) • Vomiting • Involuntary bowel movement • Convulsions • Weak or rapid pulse • Unresponsiveness, coma • Hyperventilating 	<p>Immediately call Medevac or ambulance for emergency transport while doing the following:</p> <ul style="list-style-type: none"> • Lay person down in shade with feet elevated until Medevac or ambulance arrives • Undress as much as possible • Aggressively apply ice packs or ice sheets • Pour cold water over person and fan • Give sips of water while awaiting ambulance (if conscious) • Monitor airway and breathing until ambulance or Medevac arrive • Continue cooling during transport or until body reaches 100°F

Mental Status Assessment

An important sign that the Soldier is in a serious life-threatening condition is the presence of mental confusion (with or without increased temperature). Anyone can do a mental status assessment asking some simple questions.

Call for emergency Medevac or ambulance if any of the following exist:

- What is your name? (Does not know their name.)
- What month is it? What year is it? (Does not know the month or year.)
- Where are we/you? (Is not aware of location or surroundings.)
- What were you doing before you became ill? (Does not know the events that led to the present situation.)

Indications of Possible Water Intoxication (Over Hydration)

Signs and Symptoms: Confusion, Weakness, and Vomiting

What to do:

Ask these questions to the Soldier or battle buddy:

- Has Soldier been eating? Check rucksack for # of MRE's left (Suspect water intoxication if Soldier has not been eating).
- Has Soldier been drinking a lot? (suspect water intoxication if Soldier has been drinking constantly).
- How often has Soldier urinated? (frequent: urination seen with water intoxication; infrequent: urination with heat illness).
- What color is urine? (clear urine may indicate over hydration).

If Soldier has been eating, drinking and urinating a lot, yet has these symptoms, immediately call Medevac or ambulance for emergency transport.



U.S. ARMY PUBLIC HEALTH COMMAND

<http://phc.amedd.army.mil>

1-800-222-9698

- If wearing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 10°F to WBGT index.
- If doing Moderate or Hard Work and wearing NBC (MOPP 4) clothing, add 20°F to WBGT index.

Daily fluid intake should not exceed 12 qts.

- If wearing body armor, add 5°F to WBGT in humid climates.

CAUTION: Hourly fluid intake should not exceed 1 1/2 qts.

Easy Work = Walking on hard surface 2.5 mph <30 lb. load, Weapon maintenance, Marksmanship training.
 Moderate Work = Patrolling, Walking in sand 2.5 mph no load, Callisthenics
 Hard Work = Walking in sand 2.5 mph with load, Field assaults.

Heat Category	WBGT Index, °F	Easy Work		Moderate Work		Hard Work	
		Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)	Work/Rest	Water Intake (Qt/H)
1	> 90°	50/40 min	1	20/40 min	1	10/50 min	1
2 (GREEN)	85° - 87.9°	NL	1/2	40/20 min	1/2	30/30 min	1/2
3 (YELLOW)	82° - 84.9°	NL	1/2	50/10 min	1/2	30/30 min	1/2
4 (RED)	80° - 81.9°	NL	1/2	NL	1/2	40/20 min	1/2
5 (BLACK)	> 90°	NL	1/2	NL	1/2	20/40 min	1/2

Individual Risk Factors:

- The more factors, the higher the risk
- Not acclimatized to heat (need 10-14 days to get Trainees adequately acclimated).
- Exposure to cumulative days (2-3 days) of any of the following:
 - » Increased heat exposure
 - » Increased exertional levels
 - » Lack of quality sleep
- Overweight.
- Minor illness (cold symptoms, sore throat, low grade fever, nausea, vomiting).
- Taking medications (either prescribed or over-the-counter) and/or supplements or dietary aids. Example:
 - » Allergy or cold remedies
 - » Ephedra
- Use of alcohol in the last 24 hours.
- Prior history of heat illness (any heat stroke, or >2 episodes of heat exhaustion).
- Skin disorders such as heat rash and sunburn that prevent effective sweating.
- Age >40 years.

HIP Pocket Guide (Heat Injury Prevention Guide)

- Hazards
- Individual Risk Factors
- Fluid Replacement and Work/Rest Guide
- Heat Injury Controls
- Warning Signs and Symptoms of Heat Stress and Illness

Hazards:

- High heat category, especially on several sequential days (measure WBGT when ambient temperature is over 75°F)
- Exertional level of training, especially on several sequential days
- Acclimatization (and other individual risk factors – see reverse side)
- Time of exposure, to include nights and recovery time

Heat Injury Controls:

Decision to accept risk is made at the appropriate level

- Made in accordance with TRADOC Reg 385-2, para 1-5e.

Identified controls are in place

- Update WBGT hourly.
- Adhere to work/rest cycle in high heat categories.
- Run in formation at a double arm interval (the extra space is very effective to allow individual heat dissipation during runs).
- For tasks requiring continuous effort, adhere to the Continuous Work/Water Consumption Guide (without rest) and other standardized guidelines for warm weather training conditions. Allow several hours of rest afterwards.

Monitor and enforce hydration standard

- Encourage frequent drinking. Do not exceed 1 1/2 quarts per hour or 12 quarts per day. Make water more palatable, if possible, by cooling.
- Do not allow Soldiers or Trainees to empty canteens to lighten load (consider imposing a penalty in time events).
- Ensure Soldiers are well hydrated before training. Ask about urine - urine is clear if well hydrated.
- Check Riley (water) Card or Ogden Card frequently.

Monitor and enforce eating of meals

- Ensure all meals are eaten during the meal break.
- Ensure adequate time to eat and drink meals.
- Table salt may be added to food when the heat category is high. Salt tablets are not recommended.

Execute random checks

- Spot checks by Cadre, Senior NCOs, and Drill Instructors.
- Enforce battle buddy checks — need to be aware of each other's eating, drinking and frequency of urination.
- Plan placement of leaders to observe and react to heat casualties in dispersed training.

Follow clothing recommendations

- Heat category 1-2: No restrictions.
- Heat category 3: Unbuckle trouser legs, unbuckle web belt.
 - Unbuckle trouser legs, unbuckle web belt.
 - Remove t-shirt from under BDU top or remove BDU top down to t-shirt (depends whether biting insects are present).
 - Remove helmets unless there are specific safety reasons to keep them on (ex. range).
- MOPP 4: Add 10°F to WBGT index for easy work, and 20°F to WBGT index for moderate and hard work.
- Body Armor: Add 5°F to WBGT index.

Have Soldiers take cold showers after moderate and heavy work with category 3 and above at the end of the day. This will minimize cumulative thermal load.

TRAINING MESSAGE

Trainees:

Early in the assignment, take a few minutes to review the task book, don't wait till the end to figure out what is expected of you.

Trainers:

Remember, on-the-job training and evaluation of task performance are two separate functions. It's similar to instruction in the classroom and taking a test. The two functions are separate. They can be performed in sequence, but not at the same time.



Training Watch Out

It's the 6th day of your assignment and your trainer still doesn't know your name.

Even if you're on the right track, you'll get run over if you just sit there. - Will Rogers

Appendix A

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.

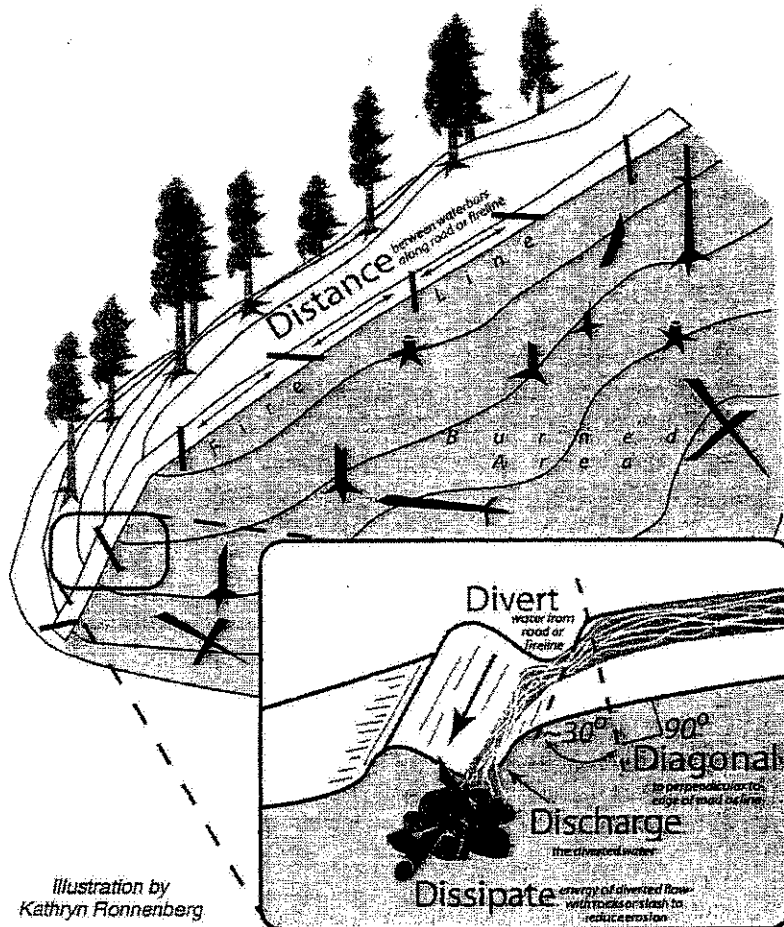


Illustration by Kathryn Flonenberg

