

South Complex

Incident Action Plan

Tuesday, September 8th, 2015

Day Shift, 0700 - 1900



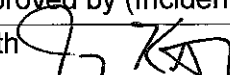
✓ Heat Injuries: Individual Risk Factors

- **The more factors, the higher the risk:**
 - **Not Acclimatized**
 - **Exposure to cumulative days of any of the following**
 - **Increased heat exposure**
 - **Increased exertional levels**
 - **Lack of quality sleep**
 - **Minor Illnesses “Camp Crud”**
 - **Taking medications: Allergy or cold remedies**
 - **Prior history of Heat Illness**
 - **Age >40 years**

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		09/07/2015		2000	
4. Operational Period							
09/08/2015 0700-1900							
5. General Control Objectives for the Incident (include alternatives)							
<p>CONTROL / OPERATIONAL OBJECTIVES:</p> <ol style="list-style-type: none"> 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 Keep all other divisions of the South Fork Complex within current containment lines. Continue implementing fire suppression damage repair in accordance with the approved plan and agency policy. <p>MANAGEMENT OBJECTIVES:</p> <ol style="list-style-type: none"> Provide for Firefighter and Public safety through hazard recognition and application of the risk management process. Utilize Resource Advisors and USFS personnel in identification of suppression repair work. Engage in fire suppression repair operations that are cost effective. Minimize suppression damage to natural and cultural resources. 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 (f)
1. Incident Name South Complex			Medical Unit	Josh Ramey
2. Date September 7, 2015		3. Time 1630	Receiving & Distribution	Fred Johnson
4. Operational Period Day Shift September 8, 2015			Security Manager	Mike Turner
Position		Name		
5. Incident Commander and Staff				
Incident Commander		Jay Kurth		
Deputy		Kent Swartzlander		
Incident Commander (f)		Curtis Coats (f)		
Safety Officer		Michele Tanzi, Jeff Barnhart		
Information Officer		Barbara Rebiskie		
Liaison Officer		Kathy Hardy		
Human Resources				
6. Agency Representative				
Agency Administrator		Dave Myers		
Agency Admin Rep		Tom Hall, Randall Walker		
Shasta NF Duty Chief		Ben Newburn		
Lead Resource Advisor		Matt Scott		
Trinity County Sheriff		Mike Rist		
Trinity County Advisor		Larry Winter		
PG&E		Joe Little		
Hyampom Volunteer FD		Joe Watkins		
Trinity PUD		Rory Barret		
CCC		Steven Donnelly		
7. Planning Section				
Chief		Walter Herzog		
Deputy				
Resources / Demob / Documentation / Status-Check-in Unit		Rita Mustatia, Tanya Costello (f)		
Situation Unit		Tim Ritchey		
Training		Dominic Panno		
CTSP		George Steel		
GISS		Matt Dickinson, Elizabeth Hale, Shawn Thorton		
FBAN		John Wood		
IMET		Phil Manuel		
SCKN		Ronnee-Sue Helzner		
8. Logistics Section				
Chief		Ken Kumpe, Richard Sheets (f)		
Deputy				
Supply Unit		Dave Alicea (f)		
Ordering		Ron Pierce, Tamara Hanna		
Facilities Unit		Jeff Huhtala, Richard Crowther (f)		
Ground Support Unit		Harry Zabel		
			Food Unit	Jay Westlake, Mark McGuinness (f)
			Equipment Manager	Mona Lake
9. Operations Section				
Day Operations		Alec Lane		
Night Operations				
Planning Ops		Curt Lindstrand		
a. Division/Groups - Day				
Division/Group		H/L/M/Y	Randy Jennings, Ray Dombroski (f)	
Division/Group		O/Q	Bret Davidson	
Division/Group		S/Z/T	Dale Schmidt	
Division/Group		W/X	Nick Bunch	
Division/Group				
Division/Group				
Division/Group				
Division/Group				
b. Division/Groups - Night				
Division/Group				
Division/Group				
Division/Group				
Division/Group				
Division/Group				
c. Air Operations Branch				
Air Operations Branch Director		Glenn Dietz		
Air Attack Supervisor				
Air Support Supervisor				
Helicopter Coordinator				
Air Tanker Coordinator				
10. Finance Section				
Chief		Lois Charlton		
Time Unit				
Cost Unit		Kenny Lucien		
Compensation/Claims Unit		Debbie McIntosh		
Equipment Time		Lou Ann Charbonnier		
PTRC		Alexandra Behr		
Prepared by (Resource Unit Leader) Tanya Costello (f)				
Approved by (Planning Section Chief) Walter Herzog				

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 8, 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 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 DARRAH LOGGING E-37	MARVIN DARGER	9/12	1	N	0700	1900
WT-T2 DARRAH LOGGING E-234	WAYNE VIRAG	9/12	1	N	0700	1900
DOZ-T1-BEN'S TRUCK #19 E-109	BILL SCARBOROUGH	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	IAN 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	RANDY STRIEFF / DREW HILL	9/13	2	N	0700	1900
EXCAV-T3 WILCOX CO. E-332	RICK WILCOX	9/12	1	N	0700	1900
MAST T2 CARLSON CONST. S-24	CASEY CARLSON	9/13	1	N	0700	1900
GRADER E-334	ED STONE	9/13	1	N	0700	1900
TFLD O-775	CASEY LOVELL	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	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 7, 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 8, 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-776	JESSE LOEFFLER	9/15	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
FEMT O-786	JOSH TUCKER	9/19	1	N	0700	1900
READ O-613	NICOLE BRILL	9/10	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						
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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 7, 2015	

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group O/Q		
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 8, 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 (f)			Approved by (Planning Section Chief) Walter Herzog		Date September 7, 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 8, 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	
ENGT3 FIRESTORM E-289	TOMMEL VANCE	9/13	3	N	0700	1900	
ENGT6 SHANK E-18	RYAN FLORES	9/11	3	N	0700	1900	
ENGT6 MOUNT ADAMS #323 E-329	PAULA HOLTER / ARRON PHILLIPS (t)	9/11	3	N	0700	1900	
ENGT6 MOUNT ADAMS #322 E-331	DONALD HOLTER / MIKE STUTTS (t)	9/11	3	N	0700	1900	
WT-T2 WILLMORE ENT. E-32	WAYNE TRUMBLY	9/13	1	N	0700	1900	
WT-T2 CA-TNF # 4289 E-291	PEDRO BARBA	9/8	1	N	0700	1900	
DOZ-T2 MODOC #4 E-279	PERRY ST. JOHN/ INSLEY (T)	9/15	2	N	0700	1900	
DOZ-T2 HAYS EQUIP. E-170	CHARLIE CIGANOVICH	9/10	1	N	0700	1900	
DOZ-T2 NORTH RIVERS E-209	MIKE NICHOLS	9/21	1	N	0700	1900	
EXCA2 NORTH RIVERS E-319	TIM BECK	9/13	1	N	0700	1900	
EXCA2 WALBERG E-320	JARED ELLENBERGER	9/10	1	N	0700	1900	
EXCA2 WARNER ENT. E-333	ZANE CLAIRE	9/13	1	N	0700	1900	
SKIDDER CRANE MILLS E-553	SHAWN CARTER	9/19	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	R5TAC 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 7, 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 8, 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 (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-424		DENICE EDGAR		9/8	1	N	0700	1900
READ O-773		BRENNA MONTAGNE		9/16	1	N	0700	1900
READ O-779		JOHAN HOGERVORST		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	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) Tanya Costello (t)			Approved by (Planning Section Chief) Walter Herzog			Date September 7, 2015		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group W/X			
3. Incident Name SOUTH COMPLEX		4. Operational Period Date: September 8, 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		8	N	0700	1900
FEMP O-787		BRAD PALMER	9/19	1	N	0700	1900
SOF2 O-774.58		JEFF BARNHART	9/16	1	N	0700	1900
7. Control Operations Cold trail and secure fires edge in Gates Creek Drainage and Miners 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 (t)			Approved by (Planning Section Chief) Walter Herzog		Date September 7, 2015		



South Complex Fire Weather Forecast



FORECAST NO: 63

NAME OF FIRE: South Complex

PREDICTION FOR: Tuesday Day Shift

UNIT: Shasta-Trinity National Forest

SHIFT DATE: Sep 8, 2015
TIME AND DATE

SIGNED: *Phil Manuel*

Phil Manuel
Incident Meteorologist

FORECAST ISSUED: Sep 7, 2015 @ 1800 PDT

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

The remainder of the week will feel like an extension of summer with above normal temperatures and low humidity. In addition to the increasing heat, 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. With the exception of the somewhat stronger late afternoon breeze in the Trinity River Valley, slope winds will be light and terrain driven, upslope during the day and light downslope at night.

Weather Forecast for Tuesday:

Weather: Sunny.
High Temperature ... Midslopes/Ridges 80-85. Lower valleys (camp) 90-95.
Min RH (Midslopes/Ridgetops/valleys)... 12-18%
20-FOOT WINDS:
Ridgetop..... Variable Less than 7 mph.
MidSlope..... Upslope 2-5 mph.
Valley..... Upvalley 3-7 mph. Gusts of 10 mph during the afternoon and evening.

Weather Forecast for Tuesday Night: ...Poor Humidity Recovery...

Weather: Mostly Clear. Poor humidity recovery along the upper slopes and ridge tops.
Low Temperature (Ridgetops)... 55-60.
Low Temperature (Valleys)..... 47-52.
Max RH (Midslopes/Ridgetops)..... Remaining under 40%.
Max RH (Valleys)..... 65-75%.
20-FOOT WINDS:
Ridgetop..... Northeast 2-5 mph.
Slope/Valley..... Up valley 2-4 mph until 2200, then down valley drainage 1-3 mph.

Weather Forecast for Wednesday:

Weather: Sunny.
High Temperature ...Midslopes/Ridges 80-85. Lower valleys (camp) 90-95.
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 Thursday Through Saturday: ~ ~ ~ Heat Wave ~ ~ ~

Hot and Dry. Above normal temperatures. 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: 63	TYPE OF FIRE: Wildland Fire
FIRE NAME: South Complex	OPERATIONAL PERIOD: 9/08, 0700 to 1900
DATE ISSUED: 9/07/15	TIME ISSUED: 2000
UNIT: Shasta Trinity National Forest	SIGNED: /s/ John Wood FBAN

INPUTS

WEATHER SUMMARY: The remainder of the week will feel like an extension of Summer with above normal temperatures and low humidity. In addition to the increasing heat, high pressure will also result in subsidence inversion. This will lead to reduced ventilation and a thermal belt at night along the mid/upper slopes with poor overnight humidity recovery. With the exception of the somewhat stronger late afternoon breeze in the Trinity River Valley, slope winds will be light and terrain driven, upslope during the day and light down slope at night

Expect maximum temperatures Ridges: 80-85, Valleys: 90-95 Minimum humidity, 12-18%. 20 foot winds: Ridges variable less than 7 mph, Mid-Slope: upslope 2-5 mph, Valleys: up valley 3-7 with gusts to 10 during the afternoon and evening.

OUTPUTS

GENERAL: 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. Conditions will support active fire spread but a change in slope, aspect and fuel moistures could substantially change fire behavior. 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. Fuels have recovered from the rain effect and are again in a state to actively contribute to fire spread. Although the burn window continues to shorten it does not detract from the potential fire activity. Rates of spread and flame length potentials have remained fairly static they are able to achieve similar burning characteristics with much less wind. Gusty winds can rapidly increase fire behavior. Anticipate changes based off of local knowledge and previous experience on the incident.

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

Head fire:

Timber understory rate of spread 3-11 ch/hr, flame lengths 2-8 feet

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

Shrub fuels rates of spread could reach 22ch/hr, flame lengths 5-6 feet.

SPECIFIC: Fine fuel moisture 6% 1000 hr 12% Probability of ignition 60-90% Spot distance about a 1/4 mile.

All Divisions: Conditions are right for quiet areas to begin showing heat and spread potential as smokes begin showing and active duff continues to creep getting larger. Consider the repair work you will be doing and think about the potential for fire spread as repair work is completed. Assess the area for heat, before you begin working and as you complete the each stage of repair work.

Fuels are at late season levels, 1000 hour fuels are around 12 percent and live fuels are near 90 percent. With the warming and drying the spotting potential should be a consideration with a probability of ignition at 90 percent. 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.

AIR OPERATIONS

Smoke should not impact air operations.

Safety Message

Consider the potential for active heat in your work area while fueling chain saws, pumps and other powered equipment. Smoldering heavies and burning duff can and other heat sources can quickly ignite spilled fuel or fuel vapors

ICS 205 INCIDENT RADIO COMMUNICATIONS PLAN

**Incident Name
South Complex**

**Date & Time Prepared
9/7/2015 (1400)**

**Operational Period Date/Time
9/8/2015 (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/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks
1	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	163.6625 N	T3,131.8	A	HayforkBallyMT linked to CMD Net
4	Tactical	NIFC T1	Div O / Q	168.0500 N		168.0500 N	T3,131.8	A	
5	Tactical	NIFC T3	Div H/M/L/Y	168.6000 N		168.6000 N	T3,131.8	A	
6	Tactical	R5 TAC4	Div W / X /	166.5500 N		166.5500 N	T3,131.8	A	
7	Tactical	R5 TAC5	Div S / Z / T	167.1125 N		167.1125 N	T3,131.8	A	
8	Air to Ground	AG	All Divisions	168.7375 N		168.7375 N		A	South Complex Air to Ground
9	Command	NIFC C-6	All Divisions(Route)	168.4750 N	T6,156.7	173.8125N	T6,156.7	A	Route Command NET
10	Tactical	NIFC T2	IA	168.2000 N		168.2000 N		A	Initial Attack
11	AG Primary	AG 43	IA	167.6000 N		167.6000 N		A	Primary IA Air to Ground
12	AG Secondary	AG 08	IA	166.8750 N		166.8750 N		A	Secondary IA Air to Ground
13	SHF Command	SHF PLUM	IA DISPATCH	171.5750 N		169.1000 N	T11,114.8	A	SHF Plummer Peak
14	SHF Command	SHF HYFK	IA DISPATCH	171.5750 N		169.1000 N	T4,136.5	A	SHF 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
 Phil Shafer COM1 / Harold Reed COM1(4), NorCal Team 1 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 7, 2015

Prepared Time: 1900

1. INCIDENT NAME: SOUTH COMPLEX (CA-SHF-2108) FORK COMPLEX (CA-SHF-2067)		2. OPS PERIOD DATE: Sept. 8, 2015		START TIME: 0700	END TIME: 2000	SUNRISE: 0646	SUNSET: 1935
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/tranks 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*** INITIAL ATTACK: H-553		5. TFR #: NO TFR	

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. AA-17V @ Redding
HLCO			COMMAND			SEE COMM PLAN
HEB2	Jeremy Stocks	530-286-2249	DECK		163.1000	
HEB2(i)	Josh Wilson	530-286-2251	TOLC			
			MEDIVAC ON		156.0750	
			CALCORD		2	OTHER FW AIRCRAFT-

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.			

MEDICAL PLAN (ICS 206 WF)

1. Incident/Project Name South Complex	2. Operational Period Date/Time 9/8/15 0700-1900
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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		Phone	Helipad		Address
	Lat:	Long:	Air	Gnd		Yes	No	
Trinity Hospital	N40°44.34	W122°56.39	20 min	2 hrs	530-623-5541 x1	X		410 N. Taylor St. Weaverville, CA
	Long:	W122°56.39						
	VHF:							
St. Joseph Hospital	N40°47.02	W124°08.48	30 min	2 hrs	707-445-8121	X		2700 Dolbeer, Eureka, CA
	Long:	W124°08.48						
	VHF:							
Shasta Regional Medical Center	N40°35.15	W122°23.25	35 min	3 hrs	530-244-5353	X		1100 Butte, Redding, CA
	Long:	W122°23.25						
	VHF:							
UC Davis Level I Trauma/Burn Center	N38°33.17	W121°27.05	1.5 hrs	6 hrs	916-734-3636 916-734-3790	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	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Point of Contact:</td> <td>MEDL – Josh Ramey 530-628-4840</td> </tr> <tr> <td>EMS Responders & Capability:</td> <td>Frontline Medical – Advanced Life Support</td> </tr> <tr> <td>Equipment Available on Site:</td> <td>Medical supplies</td> </tr> <tr> <td>Ambulance ETA :</td> <td>Air – 30 min. Ground – 10 min.</td> </tr> </table>	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.
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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>Josh Ramey</i>	9/7/15 1800	Michele Tanzi <i>Michele Tanzi</i>	9/7/15 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) – N40°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 8th, 2015

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES	
W/X	Rolling Material & Danger/Hazard Trees	<ul style="list-style-type: none"> • Be aware of your surroundings when working on slopes. Debris dislodged from extended burn/smoldering could break loose (Gravity wins) and roll into your work area. Post lookouts • 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	<p>~ Review, understand and discuss with your resources the Medical Plan in the IAP.</p> <p>~ 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.</p> <p>~ Base all operational decisions and activities on these 3 questions:</p> <ol style="list-style-type: none"> 1.) What are we going to do if someone gets hurt? 2.) How will we get them out of here? 3.) How long will it take to get them to a hospital? <p>~ If the answers are insufficient, stop, re-assess and consider alternate strategies and tactics.</p> <p>~ Have Alternate plan in place when aircraft is grounded due to visibility issues.</p> <p>~ If air or ground ambulance is delayed: package and transport patient to rendezvous with incoming ambulance.</p> <p>~ Re-route EMS helicopter to rendezvous point as appropriate</p> <p>~ Be aware of Rotor Wash & its effect on Fire behavior when the extraction point is next to an active fire edge. (Divisions W, X)</p> <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 <u>minimum</u> 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"> • 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/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/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 to safety zones. Communicate any changes. • New starts possible. Be ready for IA! Spotting Potential still exists up to ¼ mile. "Eyes to the green" 	
ALL & ICP	Driving Hazards	<ul style="list-style-type: none"> • 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. • Using Cell Phones while driving is against the law! 	
H,L,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. 	
<p align="center">INCIDENT NAME South Complex ICS 215a</p>		<p>DATE PREPARED:</p> <p align="center">September 7th, 2015</p>	<p align="center">OPERATIONAL PERIOD Tuesday, Day Shift 9/8/2015, 0700 - 1900 Prepared by: Tanzi – SOF1, Barnhart – SOF2, Schwarm – SOF2(t)</p>
		<p>TIME PREPARED: 1930 HOURS</p>	

Heat Illness/Injury Information

Strategies that Strengthen a Fatigued Firefighter and Mitigate Heat Injury

Know Your Risk Factors. The more factors, the higher the risk.

- **High sugar content beverages, Energy Drinks**, excessive caffeine intake, some weight loss products, **creatine**, ephedrine, alcohol, amphetamines, cocaine, ecstasy
- History of a previous heat injury
- **Motivation to push oneself past your stopping point (warrior mentality)**
- **Reluctance to report issues or illness**
- Decongestants, antihistamines, cholesterol lowering drugs (statins), diuretics, beta blockers, certain antibiotics (check with your personal physician)
- Recent virus: respiratory or gastrointestinal
- Recent medical procedure associated with dehydration or electrolyte disturbances
- Lower level of fitness, higher percentage of body fat
- Inadequate heat acclimatization
- Skin conditions (sunburn, skin rash, etc.)
- Dehydration, inadequate nutrition

Pre-hydration

- Dehydration before the event weakens you and sets you up for heat injury.
- Pre-hydrate daily by drinking at minimum 6-8 eight-ounce glasses of water in addition to liquids consumed during meals (8 eight-ounce glasses = 2 quarts). This should include off-duty days. The body can't be dehydrated for four days and then regain cell and tissue hydration status within the first day of returning to work. You can drink lots of fluids, but it still takes time for the water to distribute to all the compartments of the body and provide the best benefit.
- Drink throughout the day, not at one time.
- Know your own sweat rate!
 - Weigh yourself both before and after a challenging workout.
(2 lbs. of weight loss = approximately 1 liter of fluid loss)

Hydration

- Firefighters engaged in arduous tasks can lose as much as 1-2 liters of fluid per hour.
- Replace sweat loss during an event by drinking, at minimum, 1 liter of fluid for every 1 hour of exertion. (4 eight-ounce water bottles = approximately 1 liter).
- A general rule after one hour of work is adding in sports drinks (Gatorade) to replace carbohydrates, sodium and electrolytes. (1 twelve-ounce can of Gatorade followed by 3 eight-ounce water bottles = approximately 1 liter).
- The formula of Electrolyte drinks are specifically made to replenish carbohydrates, potassium, sodium and other electrolytes lost during the sweating process. Do NOT dilute the electrolyte drink. Consume as is so the body can absorb the formula.
- Be careful to not consume only water, and then, not more than 12 quarts in a day. You could potentially wash out what electrolytes you have leading up to water intoxication.

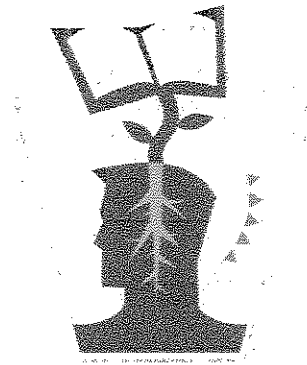
TRAINING SPECIALIST MESSAGE

TRAINERS:

If you leave the incident before your trainee, or your trainee is no longer assigned to you, you will need to complete a performance evaluation, and the Task Book for the time period your trainee was assigned to you.

Trainee Watch Out

You just found out your trainer has been demobed.



TRAINEES

If you are working as a trainee and have not yet checked in with the Training Specialist do it today!

"The only real mistake is the one from which we learn nothing." - John Powell

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.

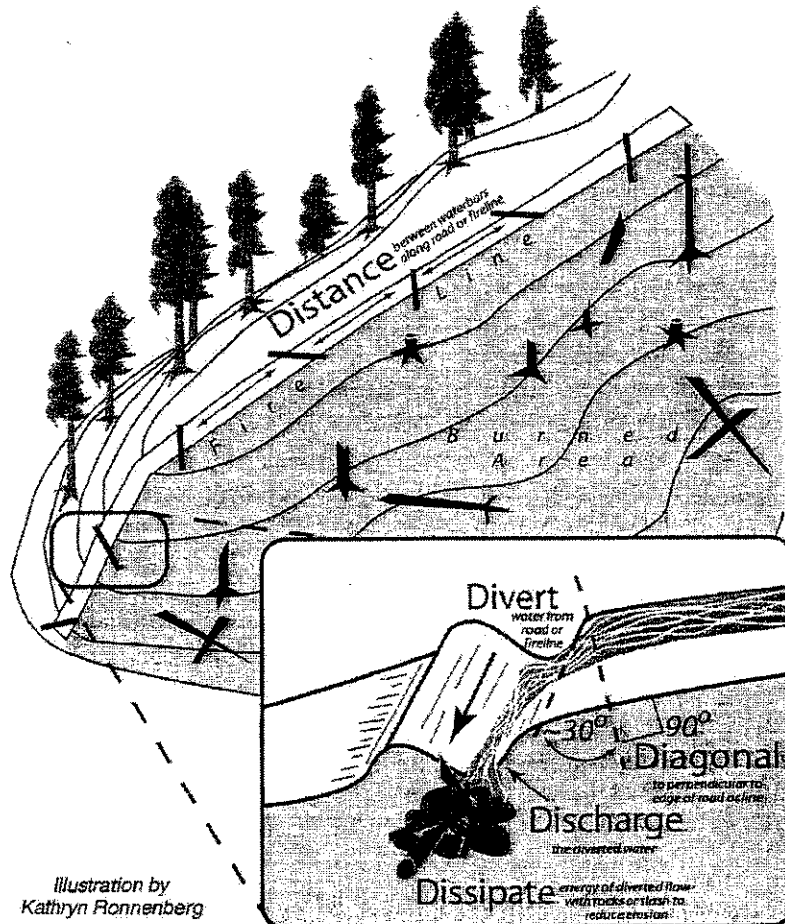
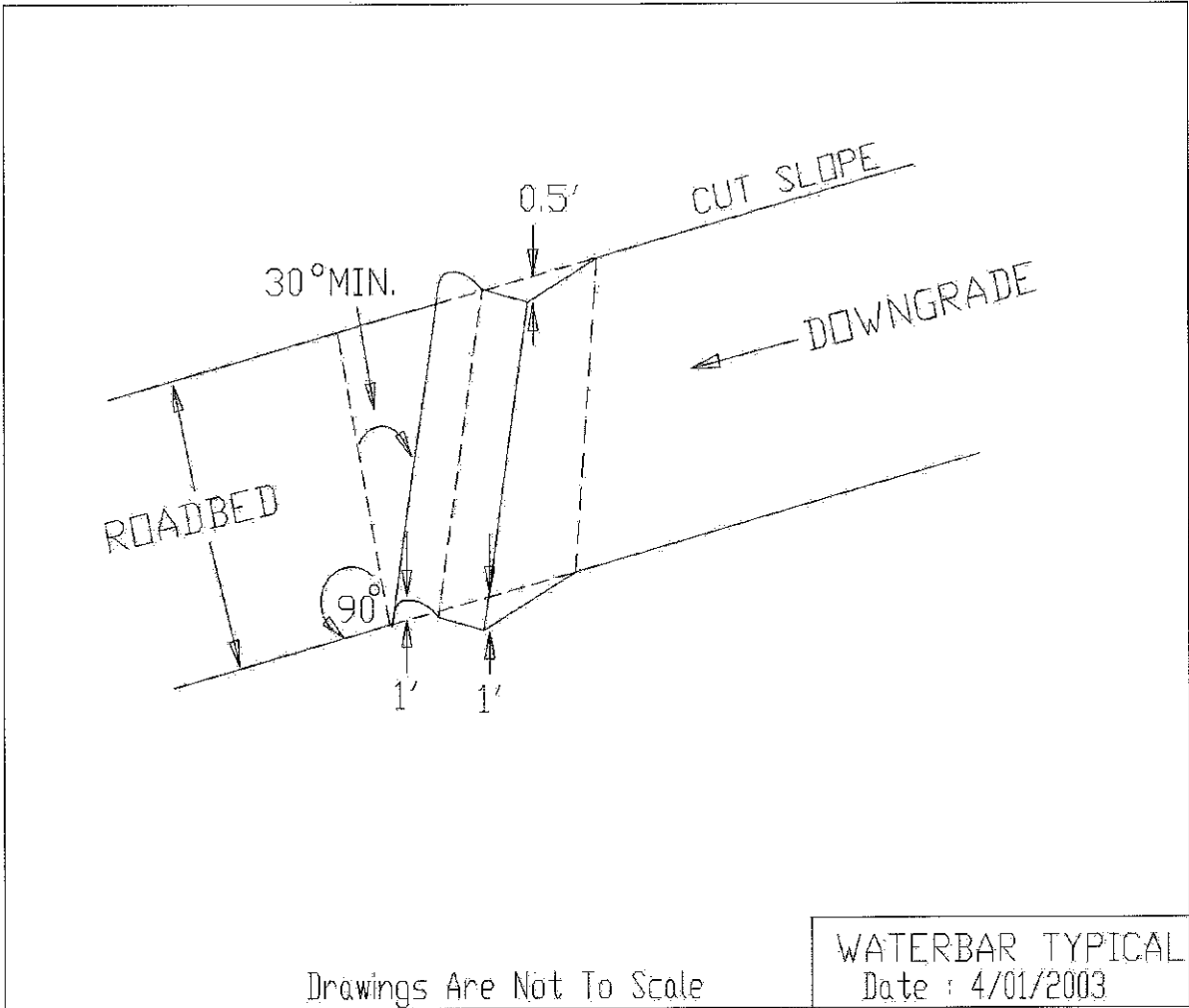


Illustration by
Kathryn Ronnenberg



INCIDENT WATER USE LOG

DATE	WATER SOURCE	QUANTITY	E NUMBER	DRIVER

Use this log to track water use.
Include the following information:
Date water was received
Water Source (Where you got the water)
Gallons collected
Resource Order number of resource collecting water
Driver Name

Return this form to FINANCE
(Additional forms available in Finance)

