

ANNIE FIRE

Incident Action Plan

August 20, 2011

0600-2000

Driving

- Drive POSTED SPEED LIMIT in TOWN
 - Be a courteous and considerate driver
- Drive Slowly on fire access roads
 - Use a spotter as necessary

Hydration

- With the heat and low RH maintaining proper hydration is difficult yet VERY important
- Consider drinking water and sports drink at a 2:1 ratio

Fire Behavior/Fire Weakened Trees/Steep Terrain

- Green fuels were consumed by wind driven fire
 - Reported 100' flame fronts in White Fir stands
 - Maintain LCES, be aware of light fuels and the wind that effect Fire Behavior
- Scout HAZARD TREES/Mitigate using qualified fallers
- "Heads Up" for Rolling Material in Steep Terrain
- Maintain LCES and be aware of the light flashy fuels and the wind that effects them

Be Alert for Mine Shafts in Division B

CA-NOD-003546 PDGA46 (1502)

BLM Northern California District

Northern California Incident Management Team 1

INCIDENT OBJECTIVES	1. Incident Name	2. Date Prepared	3. Time Prepared		
ICS 202	Annie Incident	08/19/2011	1900		
4. Operational Period 08/20/11 Day Shift 0600 - 2000					
5. General Control Objectives for the Incident (include alternatives)					
Management Objectives <ol style="list-style-type: none"> 1. Minimize fire size and cost while prioritizing firefighter and public safety. 2. Minimize helicopter bucket dipping in fish bearing bodies of water. Utilize screens on drafting lines. 3. Avoid aerial application of retardant or foam within 300' of waterways. 4. Apply direct tactics in identified sage grouse habitats and avoid firing out large islands of unburned sagebrush. 5. Minimize use of heavy equipment in designated inventoried roadless areas. 					
Control Objectives <ol style="list-style-type: none"> 1. Utilize direct attack methods on east and south portions of the fire. 2. Utilize combination of direct and indirect methods on the north and west portions of the fire. 3. Keep fire; <ul style="list-style-type: none"> East of Burger Reservoir South of Bidwell Mountain West of Lake Annie North of County Road 1 					
6. Weather Forecast for Period					
See attached spot weather forecast					
7. General 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)		
Lance Noxon <i>Lance Noxon</i>			Paul Whitcome <i>Paul Whitcome</i>		

ORGANIZATION ASSIGNMENT LIST	
1. Incident Name Annie Incident	
2. Date August 19, 2011	3. Time 1500
4. Operational Period August 20, 2011 0600 - 2000	
Position	Name
5. Incident Commander and Staff	
Incident Commander	Paul Whitcome / Pete Duncan (T)
Deputy	Mike Minton
Safety Officer	Rich Rubin /Michele Tanzi /Dave Kirste Jeff Barnhart
Information Officer	Yvonne Jones /Jim Mackensen
Liaison Officer	
6. Agency Representative	
Agency Admin	AllenBolschweiler/Kimberly Anderson
Agency Admin Rep	Ray Torres
Resource Advisor	Julie Rodman
Cal Fire Rep	Jeff Young / Scott Packwood
7. Planning Section	
Chief	Valery Lambeth / Lance Noxon (T)
Deputy	Dave Sinclear
Resources Unit	Lou Ann Charbonnier/ Gary Deboi
Situation Unit	Chris Wikeen / Walter Herzog (T)
Documentation Unit	Lou Ann Charbonnier
Demobilization Unit	Gary Deboi
Technical Specialists	
Human Resources	
Training	Dominic Panno
CTSP	George Steel
GIS	Kyle Felker / Matt Dickinson
FBAN	Bob Patton/John Wood (T)
IMET	Dennis Gettman
8. Logistics Section	
Chief	Paul Montgomery
Deputy	Mike Jellison
Supply Unit / Ordering	Tom Charlton/Mona Lake
Facilities Unit	Frank DelCarlo / Jeff Huhtala Ken Kumpe (T)
Ground Support Unit	Harry Zabel / John Camacho
Communications Unit	Rick Cartoscelli / Phil Shafer
Medical Unit	Josh Ramey/Matt Brown (T)
Receiving & Distribution	Fred Johnson
Security Unit	
Food Unit	Jay Westlake

9. Operations Section	
Operations Day	Steve Burns/ Dave Pereira(T)
Planning OPS	Alec Lane/Robin Wills
a. Branch 1 - Division/Groups	
Branch Director	
DAY	
Division/Group A	Mark Vardanega/ Randy Jennings Kipp Morrill (T)
Division/Group B	Paul Johnson/Jesse Knox (T)
Division/Group C	RicoGonzales/Chris Stevens Rob Brown (T)
Division/Group	
Division/Group	
Division/Group	
b. Branch 2 - Division/Groups	
Branch Director	
NIGHT	
Division/Group A	
Division/Group B	
Division/Group C	
Division/Group D	
Division/Group Y	
Division/Group Z	
c. Branch III - Division/Groups	
Branch Director	
Deputy	
Division/Group	
Division/Group	
Division/Group	
Division/Group	
d. Air Operations Branch	
Air Operations Branch Director	Curtis Coots
Air Attack Supervisor	Dan White /Walter Bunt (T)
Air Support Supervisor	Ken Crawford
Helicopter Coordinator	
Air Tanker Coordinator	
10. Finance Section	
Chief	Lois Charlton
Deputy	
Time Unit	
Procurement Unit	
Compensation/Claims Unit	Debbie McIntosh
Cost Unit	Rachel Corkill (T)
Prepared by (Resource Unit Leader) L. Charbonnier	

DIVISION ASSIGNMENT LIST				1. Branch		2. Division/Group A																									
3. Incident Name Annie Incident				4. Operational Period Date: 8/20/11 Time: Day Shift 0600 - 2000																											
5. Operations Personnel																															
Operations Chief		Steve Burns Dave Pereira (T)		Division/Group Supervisor		Mark Vardanega/Randy Jennings Kipp Morrill (T)																									
Planning Ops		Alec Lane/Robin Wills		Air Attack Supervisor No.																											
6. Resources Assigned this Period																															
Strike Team/Task Force/ Resource Designator		Leader		Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time																								
T1 Groveland HS		Pat Laeng/Shawn Powers (T)		19	N	Per DIVS	Per DIVS																								
T2IA BLM 3266		Robert Preston		14	N	Per DIVS	Per DIVS																								
T2IA Lost River		Gifford		20	N	Per DIVS	Per DIVS																								
LNF Engine 82		Rick Noggles		5	N	Per DIVS	Per DIVS																								
LNF Engine 83		Chris Watkins		5	N	Per DIVS	Per DIVS																								
Dozer Norcal 2				2	N	Per DIVS	Per DIVS																								
WT McGarr (E-22)		Dennis McGarr		1	N	Per DIVS	Per DIVS																								
Paramedic		DJ Kline		1	N	Staged at DP-1																									
EMT-B		James Arevalo		1	N	Staged at DP-1																									
7. Control Operations - Patrol and mop-up 100' in.																															
Special Instructions: - Begin suppression repair.																															
<table border="1"> <thead> <tr> <th>Function</th> <th>Frequency RX</th> <th>Frequency TX</th> <th>Channel</th> <th>Function</th> <th>Frequency RX</th> <th>Frequency TX</th> <th>Channel</th> </tr> </thead> <tbody> <tr> <td>Command</td> <td>168.7000 N</td> <td>168.7000 N</td> <td>1</td> <td>Command Repeat (Use Tone 1)</td> <td>168.7000 N</td> <td>170.9750 N</td> <td>2</td> </tr> <tr> <td>Tactical Div/Group</td> <td>168.0500 N</td> <td>168.0500 N</td> <td>3</td> <td>Air to Ground</td> <td>166.9625 N</td> <td>166.9625 N</td> <td>12</td> </tr> </tbody> </table>								Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel	Command	168.7000 N	168.7000 N	1	Command Repeat (Use Tone 1)	168.7000 N	170.9750 N	2	Tactical Div/Group	168.0500 N	168.0500 N	3	Air to Ground	166.9625 N	166.9625 N	12
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel																								
Command	168.7000 N	168.7000 N	1	Command Repeat (Use Tone 1)	168.7000 N	170.9750 N	2																								
Tactical Div/Group	168.0500 N	168.0500 N	3	Air to Ground	166.9625 N	166.9625 N	12																								
Prepared by (Resource Unit Leader) L. Charbonnier			Approved by (Planning Section Chief) Valery Lambeth			Date 8/19/11		Time 2200																							

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group B		
3. Incident Name Annie Incident			4. Operational Period Date: 8/20/11 Time: Day Shift 0600 - 2000				
5. Operations Personnel							
Operations Chief		Steve Burns Dave Pereira (T)		Division/Group Supervisor		Paul Johnson/ Jesse Knox (T)	
Planning Ops		Alec Lane/Robin Wills		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time		
T2IA Mad River	Tad Hair	20	N	Per DIVS	Per DIVS		
T2IA LNF Crew 2	Milligan	18	N	Per DIVS	Per DIVS		
LNF Engine 35	Jones	5	N	Per DIVS	Per DIVS		
LNF Engine 36	Dombroski	5	N	Per DIVS	Per DIVS		
BLM Engine 3233		5	N	Per DIVS	Per DIVS		
WT Holt (E-31)	Simpson	1	N	Per DIVS	Per DIVS		
WT Turner (E-23)	Sampson	1	N	Per DIVS	Per DIVS		
DZ Cal Fire 2240	Davis/Bushley	2	N	Per DIVS	Per DIVS		
TFLD	Mitch Hokanson Brian Pontes (T)	2	N	Per DIVS	Per DIVS		
Paramedic	DJ Kline	1	N	Staged at DP-1			
EMT B	James Arevalo	1	N	Staged at DP-1			
7. Control Operations - Patrol and mop-up 100' in.							
Special Instructions: - Begin suppression repair.							
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel
Command	168.7000 N	168.7000 N	1	Command Repeat (Use Tone 1)	168.7000 N	170.9750 N	2
Tactical Div/Group	168.6000 N	168.6000 N	4	Air to Ground	166.9625 N	166.9625 N	12
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) Valery Lambeth			Date 8/19/11		Time 2200

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group C		
3. Incident Name Annie Incident			4. Operational Period Date: 8/20/11 Time: Day Shift 0600 - 2000				
5. Operations Personnel							
Operations Chief		Steve Burns Dave Pereira		Division/Group Supervisor		Rico Gonzales/Chris Stevens /Rob Brown (T)	
Planning Ops		Alec Lane/Robin Wills		Air Attack Supervisor No.			
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader		Number Persons	Trans. Needed	Drop Off PT./Time		Pick Up PT./Time
T1 Klamath HS	Jonny Clem		21	N	Per DIVS		Per DIVS
T1 Ukonom HS	Keith Smith Alex Miyagishama (T)		19	N	Per DIVS		Per DIVS
T1 Diamond MT HS	Dan Varney		19	N	Per DIVS		Per DIVS
T1 Shasta Lake HS	Jerry Spence		19	N	Per DIVS		Per DIVS
Paramedic	DJ Kline		1	N	Staged at DP-1		
EMT-B	James Arevalo		1	N	Staged at DP-1		
7. Control Operations - Continue to secure line with direct handline and cold trailing.							
Special Instructions:							
Function	Frequency RX	Frequency TX	Channel	Function	Frequency RX	Frequency TX	Channel
Command	168.7000 N	168.7000 N	1	Command Repeat (Use Tone 1)	168.7000 N	170.9750 N	2
Tactical Div/Group	166.5500 N	166.5500 N	5	Air to Ground	166.9625 N	166.9625 N	12
Prepared by (Resource Unit Leader) L. Charbonnier		Approved by (Planning Section Chief) Valery Lambeth			Date 8/19/11		Time 2200

Spot Forecast for Annie Fire

National Weather Service Reno

328 PM PDT Fri Aug 19 2011

IF CONDITIONS BECOME UNREPRESENTATIVE,
CONTACT THE NATIONAL WEATHER SERVICE.

DISCUSSION...A WEAK WEATHER SYSTEM OFF THE NORTHERN CALIFORNIA COAST
WILL MOVE OVER THE ANNIE FIRE SATURDAY AND SUNDAY BRINGING THE
POTENTIAL FOR MAINLY DRY ISOLATED AFTERNOON AND EVENING
THUNDERSTORMS. STRONG OUTFLOW WINDS OF UP TO 50 MPH ARE POSSIBLE NEAR
ANY THUNDERSTORMS. OTHERWISE...WARM AND DRY CONDITIONS ARE EXPECTED
INTO EARLY NEXT WEEK.

FOR SATURDAY

WEATHER.....PARTLY CLOUDY WITH ISOLATED THUNDERSTORMS
POSSIBLE IN THE LATE AFTERNOON.

TEMPERATURE.....MAX 86-88

HUMIDITY.....MIN 11-14%

WIND...20 FOOT.....NORTHEAST 5-8 MPH IN THE MORNING TURNING TO
SOUTHEAST AFTER 1000 THEN SOUTHWEST 7-10 MPH
WITH GUSTS TO 18 MPH AFTER 1400.

MIXING HEIGHT.....RISING TO 16,000 FEET MSL

MIXING WINDS.....VARIABLE TO 10 MPH BECOMING SOUTHWEST 10-15 MPH
IN THE AFTERNOON.

FOR SATURDAY NIGHT

WEATHER.....PARTLY CLOUDY WITH ISOLATED EVENING
THUNDERSTORMS POSSIBLE.

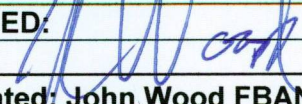
TEMPERATURE.....MIN 53-55

HUMIDITY.....MAX 32-40%

WIND...20 FOOT.....NORTHWEST 7-9 MPH WITH GUSTS TO 17 MPH IN THE
EVENING BECOMING LIGHT DOWNSLOPE 3-6 MPH/

FORECASTER...MILNE

FIRE BEHAVIOR FORECAST

FORECAST NUMBER:	TYPE OF FIRE: Wildland Fire
FIRE NAME: Annie Fire	OPERATIONAL PERIOD: 8/20/11 0600 - 2000
DATE ISSUED: 8/19/11	TIME ISSUED:
UNIT: Northern California BLM/ Modoc N.F.	SIGNED: 
	Typed/printed: John Wood FBAN(t)

INPUTS

WEATHER SUMMARY: **See attached fire wx forecast.**

OUTPUTS

FIRE BEHAVIOR

GENERAL:

Rates of spread near 16 ch/hr were experienced in grass fuel types during IA. The fuels in the grass/sage fuel types were almost entirely consumed. The fire when influenced by topography and wind, pushed into the higher elevations, where it was able to achieve a large area of group torching or a very short crown run in a stand of fir. Fuel moistures at the higher elevations acted as a barrier to fire spread and lowered spread rates as the energy of the run was expended.

The fire remained active in a thermal belt late into the evening. The thermal belt was at approximately 6000 feet. Numerous fire whirls and shifting winds were encountered throughout the first shift.

Live fuel moistures in the sage brush were measured at 100% on 8-19-11. Annual (cheat) grass appears fully cured and calculated fuel moistures show a range of 3-7%. Probability of ignition is predicted at 87% for today.

There is a slight chance for thunderstorm activity on Saturday. Where storms are encountered be aware that out flow winds could reach 50 mph. If these winds are experienced over the fire they could dramatically increase fire behavior.

SPECIFIC: Div. A & B- There is still a chance for the lines to be tested on these Divisions due to light flashy fuels and a high probability of spotting. Rates of spread could be as high as 20 ch/hr and flame lengths can reach 4 to 5 feet. Where slope and wind become aligned expect to see rates of spread as high as 30 ch/hr and flame lengths at 5 to 6 feet.

Div C- Where the fire behavior generates sufficient heat there is potential for torching to occur, also spotting from torching trees. Rates of spread are predicted at 1 ch/hr and flame lengths of 1 foot but both could be higher than predicted when associated with torching.

AIR OPERATIONS: Pockets of smoke may be found near the fire in the thermal belt band where heavy fuels continue to burn out. Expect a light inversion below 6000' that should lift out early.

SAFETY

Fire behavior in light flashy fuels can change quickly. Be aware of Look up, Look Down, Look Around factors. Although the chance for thunderstorms is slight, if they occur their impact could be significant. Don't be lulled into complacency, stay vigilant.

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name ANNIE INCIDENT CA-NOD-003546		Date/Time Prepared 8/19/2011 1500		Operational Period Date/Time Day Shift 8/20/2011 0600-2000		
Only frequencies listed on this 205 are authorized for use on this incident.									
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N/W*	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks
1	COMMAND	NIFC C-1	ALL DIVISIONS	168.7000 N		168.7000 N		A	
2	COMMAND	NIFC C-1 RPT	ALL DIVISIONS	168.7000 N		170.9750 N	110.9	A	MUST USE Tone 1(110.9)
3	TACTICAL	NIFC TAC-1	DIVISION A	168.0500 N		168.0500 N		A	
4	TACTICAL	NIFC TAC-3	DIVISION B	168.6000 N		168.6000 N		A	
5	TACTICAL	USFS R5 TAC-4	DIVISION C	166.5500 N		166.5500 N		A	
6	TACTICAL	NIFC TAC-5	UNASSIGNED	166.7250 N		166.7250 N		A	
7	TACTICAL	NIFC TAC-6	UNASSIGNED	166.7750 N		166.7750 N		A	
8	IA DISPATCH	SIFC-NOD DIRECT	ALT COMMAND if C-1 FAILS	171.6250 N		171.6250 N	136.5	A	Requires Tone 4 (136.5)
9	IA DISPATCH	SIFC-NOD REPEAT	ALT COMMAND if C-1 FAILS	171.6250 N		164.2500 N	123.0	A	Use Tone 2 (123.0) or 6 (156.7)
10	BLM SOA	CA BLM SOA	IA TACTICAL	168.3000 N		168.3000 N		A	
11	TACTICAL	NIFC TAC-7	UNASSIGNED	168.2500 N		168.2500 N		A	
12	A/G TACTICAL	AIR TO GROUND	ALL DIVISIONS	166.9625 N		166.9625 N		A	
13	MEDI-VAC	CALCORD	ALL DIVISION	156.0750 W		156.0750 W		A	
14	EMERGENCY	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	TO NE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT
15									
16	EMERGENCY	AIR GUARD	ALL DIVISIONS	168.6250 N		168.6250 N	110.9	A	TO NE 1 USED FOR EMERGENCY OR INITIAL CONTACT WITH AIRCRAFT
5. Prepared by Rick Cartoscelli, Nor Cal Team 1, COML					Incident Location County State: Modoc, CA Fire Latitude Longitude				

AIR OPERATIONS SUMMARY

PREPARED BY: Curtis Coots

PREPARED DATE/TIME: 8/19/11 17:30

1. INCIDENT NAME: Annie Incident		2. OPERATIONAL PERIOD DATE: 8/20/11 START TIME: 0600 END TIME: 2000 SUNRISE: 05:16 SUNSET: 18:54							
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): 1. Watch for Hang gliders in the vicinity of the TFR. 2. Watch for strong gusty winds associated with isolated thunderstorm activity 3. Watch for intruder Aircraft entering TFR 4. Use only approved dipsites and have dipsite managers in place! 5. Divs contact Communications for Medical Emergencies						4. MEDEVAC A/C: Helicopter 510 H-202 Bieber, Shorthaul capable.		5. TFR: Radius: <u>5 NM</u> Altitude: <u>10,000 ft MSL</u> Center point : <u>Lat: 41.54'30N</u> <u>Long: 120.07'09W</u>	
6. PERSONNEL		Phone	7. FREQUENCIES		AM	FM	8. FIXED-WING		# Avail / Type/ Make-Model / FAA N# / Base(s)
AOBD:Curtis Coots		(530) 598-4142	AIR/AIR FW:			168.7375	Airtankers		09:00 availability.
ATGS: Dan White		(530) 251-6905	AIR/AIR RW:		118.1750		Leadplanes		
ATGS (t): Walter Bunt		(530) 921-3535	AIR/GROUND:		166.9625		Base FAX #:		
ASGS: Ken Crawford		(530) 412-2534	COMMAND		Rx: 168.700 Tx: 170.9750 Tone 110.9		ATGS Aircraft		Area Commander A/A-06 Area CommanderN501TC
HEBM: Nick Fowler		(801) 891-6283	TOLC FREQ:		169.4000		HELCO		
ATB MGR:			DECK FREQ:						

9. HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
H-510 A-5	2	Bell 205	Cederville	0730	0800	Bucket Support Deliver Line EMT to incident							
H-58AH A-6	2	S-58T	Cederville	0730	0800	Bucket Support as Needed							
HT-749 A-20	1	Sky Crane	Lakeview		0800	Tentative Release							
HT-780 A-21	1	Sky Crane	Lakeview		0800	Tentative Release							
H-60TA A-7	2	UH1H	Lakeview		0800	Tentative Release							

10. TASK/MISSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
H-510	In the event of a medical incident that requires immediate attention on the Annie Incident H-510 will pick up Line EMT's at Drop Point 1 Lat N41 54'70 Long W120 06'56			

MEDICAL PLAN	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period							
	Annie Fire	08/19/11	1500	8/20/11 0600-2000							
5. Incident Medical Aid Station											
Medical Aid Stations		Location			Paramedics Yes No						
Frontline Medical (cell: 530-258-9155 or 214-551-3850)		Annie ICP, 740 High St., Cedarville, CA N 41° 31.99 / W 120° 10.55			X						
6. Transportation											
AIR Resources											
Name		Address		Phone		Paramedics Yes No					
Mountain LifeFlight (Day/Night)		710 Ash St., Susanville, CA 96130		911 or 530-251-2844		RN					
Emergency Air Lift (Day only)		2901 Airport Wy., Klamath Falls, OR		911 or 800-804-4911		RN					
CHP (hoist with 165' line)		Benton Airfield, Redding, CA		911 or 530-225-2040		X					
Cal Fire-Bieber 202(Short haul)		510 Bridge St., Beiber, CA 96009		911 or 530-294-5251		X					
Chester 510 (BLS medivac)		Helibase		Contact Annie comm..		X					
Ground Ambulance Services											
Name		Location			Paramedics Yes No						
Modoc Co. Ambulance		Cedarville & Alturas, CA (Ph : 911 or 530-233-4410)			X						
Lake Co. Ambulance		Lakeview, OR (Ph: 911 or 541-947-2504)			X						
7. Hospitals											
Name		Address		Travel Time Air Ground		Phone		Helipad Yes No		Burn Center Yes No	
Surprise Valley Health Care(clinic)		Cedarville, CA		N/A 5 min.		530-279-6111		X		X	
Modoc Medical Center		228 McDowell, Alturas CA N41°28.48/ W120°32.42		15 min. 1:10 min.		530-233-5131		X		X	
Lake Dist. Hospital		700 S J St. Lakeview, OR N42°10.88 / W120°21.12		12 min. 60 min.		541-947-2114		X		X	
Renown Medical Center. Level II		1155 Mill St., Reno, NV N39°31.34 / W119°47.45		1 hr. 4 hr.		775-982-2005		X		X	
Mercy Med Center Level 2 Trauma		2175 Rosaline Ave, Redding N 40° 34.29' / W 122° 23.67'		1 hr. 4 hr.		530-225-7201		X		X	
UC Davis Level I Trauma/Burn Cntr.		2315 Stockton Blvd. Sacramento N38°33.17 / W121°27.05		1:45 min. 7 hrs.		916- 734-3636 916- 734-3790		X		X	
8. Medical Emergency Procedures											
<input type="checkbox"/> Contact Annie Communications and declare a medical emergency on Command, advising your location and situation <input type="checkbox"/> The closest Division Supervisor will respond to the location to take control and direct necessary actions <input type="checkbox"/> The closest Safety Officer and EMTs will respond to the location to assist with patient care <input type="checkbox"/> Use the attached Injury/Incident Communications Worksheet to coordinate appropriate care and transportation <input type="checkbox"/> Secure the scene area and identify witnesses for later investigation – Keep a log											
Prepared by (Medical Unit Leader)						10. Reviewed by (Safety Officer)					
Josh Ramey MEDL 530-277-1213 <i>Joshua Ramey</i>						Rich Rubin SOF2 <i>R.M. Rubin</i>					

Injury or Incident Communications Protocol

Location _____

Situation _____

Any special equipment required _____

Number of injured _____ Type of injuries _____

Immediate transport required: Yes No Best method: Ambulance Helicopter Vehicle

Closest pick up point (DP, Helispot) _____

LOC _____ Resp. _____ Pulse _____ BP _____ Weight _____

Injury _____

Medical History/Allergies _____

Air Transportation Triage

Contact EMS Helicopters on **CALCORD** freq.

	Air Ambulance	Transport to Med Unit
Mechanism	Struck by tree Fall of 10' or more Snake bite with pain and swelling 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	Minor blunt trauma Minor penetrating trauma Extremity sprains and strains
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

Annie Lake - N 41°54.70 / W 120°06.56

If air or ground ambulance is DELAYED:

Package and transport patient to rendezvous with Incident 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.

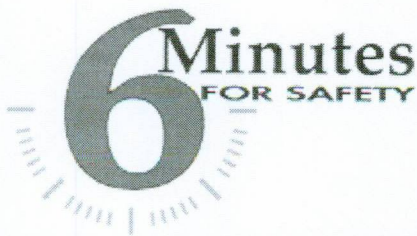
The closest Safety Officer and Line EMS will respond to the scene to assist the Branch Director or DIVS. Secure site and begin initial investigation when situation is stabilized.

Annie Incident Risk Analysis (215a)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Driving Hazards	<ul style="list-style-type: none"> • Fire Access roads require slow speeds and occasional spotters • Drive with your headlights on. Use chock blocks. Keep windshields clean. Look before backing and use backers. • Maintain driving situational awareness. • Observe speed limits!! • The roads in the area are open to the public
All	Fire Behavior	<ul style="list-style-type: none"> • Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate. • Maintain LCES and adhere to the 10 standard orders. • Be aware of the light, flashy fuels and the winds that affect them.
All	Hydration	<ul style="list-style-type: none"> • With the heat, wind and poor RH, hydration is an issue • Drink water before, during, and after shifts. • Be alert for signs of heat stress in yourself and others • Be sure to eat throughout the shift to better assimilate energy/hydration needs
All	Foot Travel	<ul style="list-style-type: none"> • Watch footing, both in camp and on the line • Minimize fatigue by pacing yourself • Treat "hot spots" on your feet before they become blisters • Mine shafts in area. Flag and communicate location to all.
All	Fatigue and Complacency	<ul style="list-style-type: none"> • Affects judgment, decision making, and performance • Take a break and the re-focus on the task at hand

Date & Time Prepared: August 19, 2011 @ 2115 Operational Period: 8/20/2011 0600-2000
 Prepared By: Michele Tanzi/SOF2, Rich Rubin/SOF2

CA-NOD-3546 PDGA46 1502
BLM Northern California District
 Northern California Incident Management Team 1



**Today's discussion is from the
First Aid / Health Category.**

Six Minutes Home Page

Hydration

- Studies on wildland firefighters indicate that fire suppression activities generate about 7.5 kilocalories of heat each minute worked, or over 400 kilocalories for each hour. Additional heat (about 180 kilocalories per hour) comes from the environment and the fire.
- The total heat load amounts to 580 kilocalories per hour ($400 + 180 = 580$). Complete evaporation of 1 liter of sweat removes 580 kilocalories of heat. Which means the firefighter needs to evaporate about 1 liter (slightly more than 1 quart) of sweat during each hour of work. Maintaining body fluids is essential for sweating. You must hydrate before, during, and after work.
- Before Work you should take extra fluids to prepare for the heat. Drink 1 to 2 cups of water, juice, or a sport drink before work. Avoid excess caffeine. It hastens fluid loss in the urine.
- While working, take several fluid breaks every hour, drinking at least 1 quart of fluid. Drink as much as you can during the lunch break. Water is your greatest need during work in the heat. Studies show that workers drink more when lightly flavored beverages are available. Providing a portion of fluid replacement with a carbohydrate/electrolyte sport beverage will help you retain fluids and maintain energy and electrolyte levels.
- After work, you need to continue drinking to replace fluid losses. Thirst always underestimates fluid needs, so you should drink more than you think you need. Rehydration is enhanced when fluids contain sodium and potassium, or when foods with these electrolytes are consumed along with the fluid.
- Sodium lost in sweat is easily replaced at meals with liberal use of the salt shaker. Unacclimatized workers lose more salt in the heat so they need to pay particular attention to salt replacement. Don't overdo salt intake; too much salt impairs temperature regulation. Excessive salt can cause stomach distress, fatigue, and other problems.
- Make potassium-rich foods like bananas and citrus fruits a regular part of your diet, and drink lots of lemonade, orange juice, or tomato juice. In fire camp, limit the amount of caffeine drinks such as coffee and colas because caffeine increases fluid loss in the urine. Avoid alcoholic drinks. They also cause dehydration. Avoid sharing water bottles except in emergencies.
- You can assess your hydration by observing the volume, color, and concentration of your urine—low volumes of dark, concentrated urine, or painful urination indicate a serious need for rehydration. Other signs of dehydration include a rapid heart rate, weakness, excessive fatigue, and dizziness.
- Rapid loss of several pounds of body weight is a certain sign of dehydration. Rehydrate before returning to work. Continuing to work in a dehydrated state can lead to serious consequences, including heat stroke, muscle breakdown, and kidney failure.

TRAINING SPECIALIST MESSAGE

A Training Specialist is now on the incident. All federal, state, and local government agency trainees should register with the Incident Training Specialist in order to assure proper documentation for your assignment.

Bring your Task Book and Red Card.

The Training Unit is located at the ICP behind Check-in.

Dominic Panno
Training Specialist

The 5-D System for Effective Waterbars

When locating and building waterbars, 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 widths wide and 12-24 inches high.

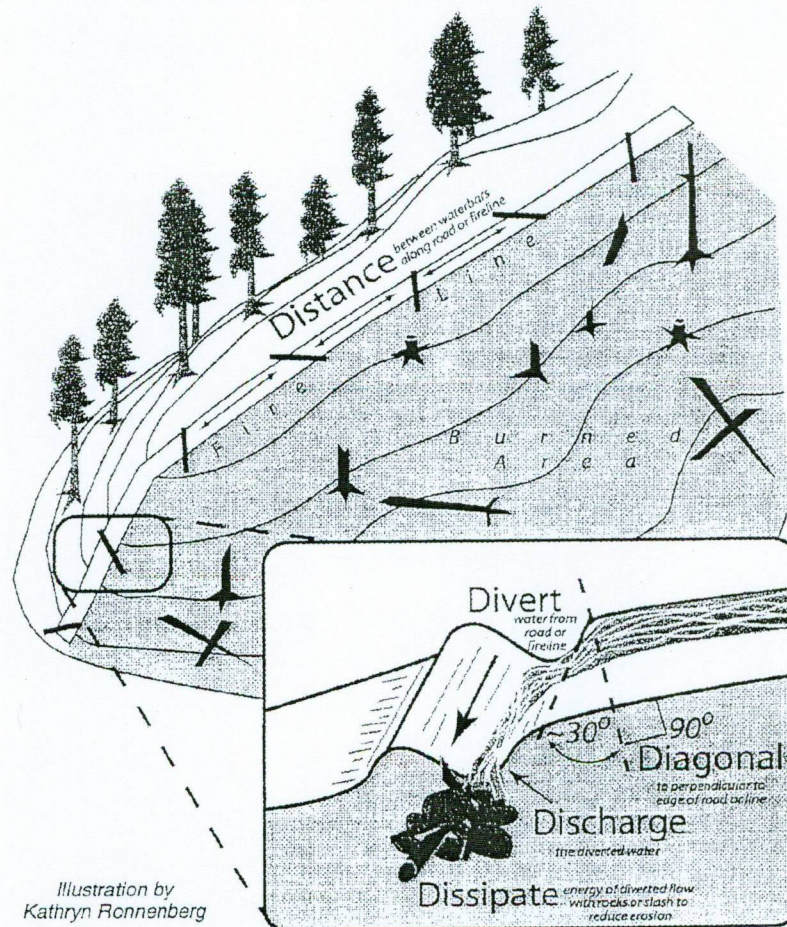


Illustration by
Kathryn Rennerberg