

*Angora Fire
Incident Action Plan
Friday 6/29/07
0600-1800*



Special Hazards while Driving

Road Width-Narrow

Grade – Flat to steep

Surface – Pavement – Gravel – Dirt

Sight Distance – Good Sight – Absolutely None

*Other Road Users – Fire Fighters – Residents – Tourists –
Wildlife-Media*

Drive Defensively at all Times

**California Interagency Incident Management Team #1
Lake Tahoe Basin Management Unit**

<p style="text-align: center;">Incident Objectives</p>	<p>1. Incident Name</p> <p style="text-align: center;">ANGORA</p>	<p>2. Date Prepared</p> <p style="text-align: center;">06/28/07</p>	<p>3. Time Prepared</p> <p style="text-align: center;">2239</p>															
<p>4. Operational Period</p> <p style="text-align: center;">06/29/07 Friday Day Shift 0600 - 1800</p>																		
<p>5. General Control Objectives for the incident (include alternatives)</p> <p>Protect Life and Property.</p> <p>Strategic Objectives:</p> <ul style="list-style-type: none"> - Continue to inform communities of current situations. - A strong emphasis on cost containment, focusing on efficiency and effectiveness of all suppression efforts. - Protect natural and cultural resources - coordinate planned actions with resource advisors. <p>Tactical Objectives:</p> <ul style="list-style-type: none"> - Keep the fire West of Lake Tahoe Blvd. - Keep the fire South of Highway 89. - Keep the fire East of Fallen Leaf Lake Road and Wilderness. - Keep the fire North of Echo Peak and Highway 50. 																		
<p>6. Weather Forecast for Period</p> <p>See Spot Weather forecast.</p>																		
<p>7. General Safety Message</p> <p>Keep a high level of situational awareness in the urban interface: electrical issues, propane, unknown hazards, traffic, both private and emergency. Watch out for SNAGS, hazard trees and power poles.</p>																		
<p>8. Attachments (mark if attached)</p>																		
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"><input checked="" type="checkbox"/> Organization List - ICS 203</td> <td style="width: 33%;"><input checked="" type="checkbox"/> Incident Map</td> <td style="width: 33%;"><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204</td> <td><input checked="" type="checkbox"/> Safety Message</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Communications Plan - ICS205</td> <td><input type="checkbox"/> Traffic Plan</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Medical Plan - ICS 206</td> <td><input checked="" type="checkbox"/> Unit Log ICS 214</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Air Operations Summary - ICS 220</td> <td><input checked="" type="checkbox"/> Human Resource Message</td> <td><input type="checkbox"/></td> </tr> </table>				<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/>	<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Safety Message	<input type="checkbox"/>	<input checked="" type="checkbox"/> Communications Plan - ICS205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Unit Log ICS 214	<input type="checkbox"/>	<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Human Resource Message	<input type="checkbox"/>
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<input checked="" type="checkbox"/> Air Operations Summary - ICS 220	<input checked="" type="checkbox"/> Human Resource Message	<input type="checkbox"/>																
<p>9. Prepared by (Planning Section Chief)</p>	<p>10. Approved by (Incident Commander)</p>																	

ORGANIZATION ASSIGNMENT LIST		Food Unit	Jay Westlake
1. Incident Name Angora (CA-TMU-011011)		9. Operations Section	
2. Date 06/28/07		Chief Geoff Wilford	
3. Time 1630		Planning Ops Ranger Dorn	
4. Operational Period 06/29/07 0600 - 1800		10. Branch I - Division/Groups	
Position	Name	Branch Director	Mark von Tillow
5. Incident Commander and Staff		Deputy	
Incident Commander (Unified Command)	Rich Hawkins – USFS, Lorenzo Geolotti – City of South Lake Tahoe, Jeff Michael – Lake Valley Fire Protection District	Division/Group A/B	Larry Turman/ Debbie Walls (T)
Deputy	Jerry McGowen	Division/Group C	Eric Nelson
Safety Officer	Jennifer Boyd, L. Szczepanik, C. Hanley, M. Tanzi, K. Kumpe (T), S. Husari	Division/Group D	Alec Lane / Robert Bertolini
Information Officer	Chuck Dickson, T. Christofferson	11. Branch II - Division/Groups	
IE Liaison Officer	Todd Crawford	Branch Director	Pete Duncan
6. Agency Representative		Division/Group E	Val Linch, Joe Tyler (T)
Agency	Name	Division/Group S	Bill Bryant
Agency Administrators	Terri Marceran, Forest Supervisor, TMU Eli Ilano, Deputy Forest Supervisor, TMU	Division/Group V	John Flores
Resource Advisor(s)	Richard Vacirca	Division/Group Y	Ed Merrill
CalFire	Mary Huggins/Kelly Keenan	Staging	M. Sandford/ M. Dowell (T)
OES	Dave Powell, Bill Bondshu	12. Law Branch	
7. Planning Section		Branch Director	Todd Crawford
Chief	Gary Montgomery	Deputy	
Deputy		13. Contingency Branch	
Resources Unit	J. Roberts, R. Mustatia (T), E. Ernst (T)	Branch Director	Greg Black
Situation Unit	Todd Edwards / Gabe Schultz (T)	Division/Group	Daryle Grenz
Documentation Unit	Kim Sone	Division/Group	Mike Shorrock
Demobilization Unit	Melody Fountain	Rehab Branch	
Technical Specialists		Branch Director	Bob Moore
Human Resources	Clifford Ligons	Division/Group	Tom Raw
Training	Julie Buel, Brian Power, Dominic Panno	Division/ Group	
GIS Spec. Tech.	Celia Yamagiwa, Scott Conway	Damage Assessment Branch	
IMET	Jim Wallmann	Branch Director	Ethan Foote
CTSP	Jim Ott	Division/Group	
FBAN	Kelly Martin	Division/Group	
8. Logistics Section		Air Operations Branch	
Chief	Dan Turner, Rich Davis (T)	Air Operations Branch Director	Kent Haskins, Jerry Disney
Deputy	Jim Hogg	Air Attack Supervisor	Russ Gripp
Supply Unit	Dennis Bouslaugh	Air Support Supervisor	Jason Nava
Ordering	Jeff Carter	Helicopter Coordinator	
Facilities Unit	Greg Moon / Tim Gardner	Air Tanker Coordinator	
Ground Support Unit	Dave Trussel, David Corral (T)	Finance Section	
Medical Unit	Michael Clemens	Chief	Laurie Beck, Robbin Ekman
Communications Unit	Kody Kerwin	Deputy	
Receiving & Distribution	Ron Pierce, Teresa Boese	Time Unit	Teresa Reniff, Kathy O'Hara
Security Unit		Procurement Unit	Paulette Gordon
		Compensation/Claims Unit	Mona Lake
		Cost Unit	Joan Disney

Fire Weather Forecast

FORECAST NO: 8

NAME OF FIRE: Angora

PREDICTION FOR: Friday

SHIFT Day

UNIT: CA-TMU

SHIFT DATE: 6/29/06 0600-1800

SIGNED:

TIME AND DATE

FORECAST ISSUED: 2100 6/28/06

Jim Wallmann/Andy Church (T)

Incident Meteorologist

WEATHER DISCUSSION: Low pressure over the Gulf of Alaska will weaken and lift north reducing winds across the area. Winds will continue to be locally gusty in the afternoon. Temperatures will be a little warmer today with humidity about the same as experienced Thursday. There will be some cloud cover today, but mainly of the high variety. Occasional gusty afternoon winds will continue into the weekend.

WEATHER FORECAST:

WEATHER: Partly cloudy.

TEMPERATURES: MAX 77-80 at 6300 feet. 73-76 at 7200 feet. 3 degrees warmer than Thursday.

HUMIDITY: MIN 14-18% all elevations – little change from Wednesday.

20-FOOT WINDS: *All Elevations:* South-southwest 5 mph increasing to 8-14 mph after 0900 with a few gusts to 25 mph in the afternoon. Local gusts to 30 mph on the northwest side of Tahoe Mountain.

LAL: 1

CWR: 0%

Haines Index: 3

STABILITY/INVERSION: Weak low-level valley inversion around 500 feet AGL breaking around 1000.

OUTLOOK FOR FRIDAY NIGHT (1800 TO 0600): Clear. Winds southwest 5-10 with gusts to 20 mph becoming downslope after sunset. Min temperature 35-45. Min RH 70-80% valley to 45-55% ridges.

EXTENDED FORECAST (Winds are for average afternoon conditions):

SATURDAY 6/30

WEATHER: Sunny.

TEMP: Max: 70-75 **RH:** Min: 11-15%
Min: 40-50 Max: 40-55%

WINDS: S-SW 8-13 mph with gusts 20 mph

LAL: 1

CWR: 0%

SUNDAY 7/1

WEATHER: Sunny.

TEMP: Max: 68-73 **RH:** Min: 9-14%
Min: 35-45 Max: 35-50%

WINDS: Slope: S-SW 10-15 mph gusts 25 mph

LAL: 1

CWR: 0%

OBSERVED WEATHER 6/28/07 – Day shift:

DP 4 Fire RAWS – 7263 ft: MAX Temp: 72. MIN Humidity: 19%. Winds SW-NW 6-12 mph gusts to 26 mph.
Meyers RAWS – 6310 ft: MAX Temp: 79. MIN Humidity: 14%. Winds SSW 5-10 mph gusts to 23 mph.
DL Bliss St. Park RAWS - 6942 ft: MAX Temp: 73. MIN Humidity: 17%. Winds SW 7-13 mph gusts to 26 mph.
South Lake Tahoe AP (6263 feet): MAX Temp: 73. MIN Humidity: 19%. Winds S 8-14 mph gusts to 28 mph.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 07

FIRE: ANGORA FIRE

OPERATIONAL PERIOD: Day, Friday, June 29, 2007

DATE ISSUED: 06/28/2007

TIME: 2100

UNIT: USFS Lake Tahoe Basin MU

SIGNED: /s/ Kelly Martin - FBAN

WEATHER SUMMARY: See attached Fire Weather Forecast for details.

FIRE BEHAVIOR HAS DIMINISHED GREATLY DUE TO TREMENDOUS EFFORTS TO CONTAIN AND SUPPRESS OPEN FLAME

MIN RH: 14-18% **DOWN SLIGHTLY FROM YESTERDAY**

MAXIMUM TEMP: 77-80 **SLIGHTLY HIGHER THAN YESTERDAY**

WINDS (20 FT): SSW5 INCREASING TO 8-14 **WINDS WILL BE SIMILAR IN**

TIMING AND INTENSITY AS YESTERDAY

GENERAL FIRE BEHAVIOR: Fire behavior has greatly diminished but the potential will continue to be extreme. Isolated interior single tree torching may be likely throughout the day.

What to watch for today:

1 – Deep hot stump holes that have shallow roots that are still burning

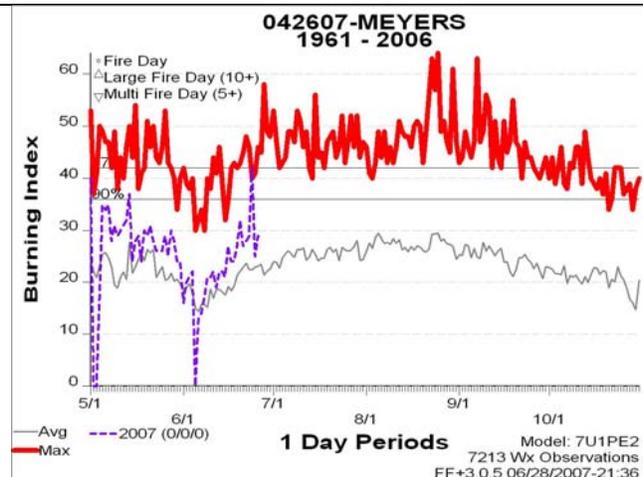
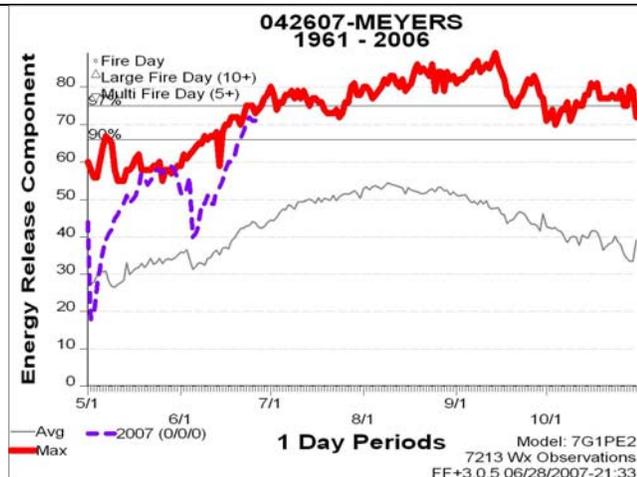
PERIMETER: Heat is still detected along the line but is now confined to stump holes, cat-face snags and some residual heat that is burning out in heavy compacted needle and duff layers. Much of the fire perimeter has burned out completely due to extremely dry duff and litter layers that has been completely consumed.

INTERIOR: Significant smokes will still be detected interior and pose a minimal threat to the line due to limited spotting potential. These large smokes will be located in areas that are difficult for firefighters to access and consist of large logs and deep stump holes. Interior torching has significantly reduced due to lack of ground fuels available to burn to initiate torching.

AIR OPERATIONS: Inversion lifting will occur earlier today beginning around 1100.

SAFETY: HOT STUMP HOLES AND GREEN FIRE WEAKEN SNAGS!

ON SITE WEATHER OBSERVATIONS: Please drop off your onsite weather observations at the IMET/FBAN trailer. Need slope aspect, elevation and general location of your observations and notes on fire behavior.



Division Assignment List		1. Branch I		2. Division/Group C			
3. Incident Name ANGORA		4. Operational Period 06/29/07 Friday Day Shift 0600 - 1800					
5. Operations Personnel							
Operations Chief	GEOFF WILFORD	Division/Group Supervisor	ERIC S NELSON				
Operations Chief	RANGER DORN (T)	Air Attack Supervisor	KENT HASKINS				
Branch Director	MARK von TILLOW	Safety Officer	DOUG MCKELVY				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
CREW S/T - T1 - 9254G	JO CANTOS	38	N	DP 8 - 0600	1800		
CREW S/T - T1 - 9110G	TERRY GUERRERO	35	N	DP 8 - 0600	1800		
ENGINE S/T - T3 - 5601 C	BILL LOUCKS	27	N	DP 8 - 0600	1800		
ENGINE - T3 - ENF 64		5	N	DP 8 - 0600	1800		
EMT	TELFER	1	N	DP 8 - 0600	1800		
EMT	HOPWOOD	1	N	DP 8 - 0600	1800		
FALLER	DENIZ	1	N	DP 8 - 0600	1800		
FALLER	MILLER	1	N	DP 8 - 0600	1800		
FALLER	BLUE	1	N	DP 8 - 0600	1800		
FELB	HOKANSON	1	N	DP 8 - 0600	1800		
7. Control Operations							
- Mop-up 300 feet from the line and structures where possible.							
- Snag in 500 feet.							
8. Special Instructions							
- EMT's Telfer and Hopwood assigned to Divisions C/D.							
- Damage Assessment Personnel will contact Division Supervisors when working within the Division.							
- Resource Advisors include B. Garrett, G. Foster, A. Lorincz, I. Turner, B. Hansen, K. Kozloski, N. Aslami, T. Tolley- contact Division when entering and leaving.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.1000 N	170.4500 N			8		
Tactical Div/Group	173.9125 N	173.9125 N			3		
Logistics							
Air to Ground	166.3375 N	166.3375 N			6		
Prepared by (Resource Unit Leader) R. Mustatia (T), E. Ernst (T)		Approved by (Planning Section Chief)		Date Prepared 06/28/07		Time Prepared 2246	

Division Assignment List		1. Branch II		2. Division/Group E			
3. Incident Name ANGORA		4. Operational Period 06/29/07 Friday Day Shift 0600 - 1800					
5. Operations Personnel							
Operations Chief	GEOFF WILFORD	Division/Group Supervisor	VAL LINCH, JOE TYLER (T)				
Operations Chief	RANGER DORN (T)	Air Attack Supervisor	KENT HASKINS				
Branch Director	PETE DUNCAN	Safety Officer	MICHELE TANZI, KEN KUMPE (T)				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
CREW - T1 - SIERRA HOTSHOTS	JORDAN, KENNETH	20	N	DP 7 - 0600	1800		
CREW - T1 - PLUMAS HOTSHOTS	SEVELSON, JACK	21	N	DP 7 - 0600	1800		
CREW - T1 - KLAMATH HOTSHOTS	CLEM, JOHNNY	21	N	DP 7 - 0600	1800		
ENGINE S/T - T3 - 3645C	LAWLER	27	N	DP 7 - 0600	1800		
DOZER - T2 - PNF 1	SIBBALD, SCOTT	2	N	DP 7 - 0600	1800		
FELB	LANE, GARY	1	N	DP 7 - 0600	1800		
FALLER	ROSALEN, RALPH	1	N	DP 7 - 0600	1800		
FALLER	NESIDEER, STEVE	1	N	DP 7 - 0600	1800		
EMTP	SCHROTH, ERIC	1	N	DP 7 - 0600	1800		
EMT	HERNSTAK	1	N	DP 7 - 0600	1800		
7. Control Operations							
<ul style="list-style-type: none"> - Mop-up 300 feet in from the line. - Snag in 500 feet. - Patrol for spots. - Keep 19 RD closed until snagged. - Secure line from the Tahoe Mtn to the E/S break. 							
8. Special Instructions							
<ul style="list-style-type: none"> - Exercise good situational awareness around Hwy 89 as it will be open. - Watch for roll out. - Mitigate any hazard snags. - EMT's Schroth and HERNSTAK assigned to Division E/S. - Resource Advisors include S. Parsons - Contact Divisions when entering or leaving. 							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.7000 N	170.9750 N			7		
Tactical Div/Group	173.9875 N	173.9875 N			5		
Logistics							
Air to Ground	166.3375 N	166.3375 N			6		
Prepared by (Resource Unit Leader) R. Mustatia (T), E. Ernst (T)		Approved by (Planning Section Chief)		Date Prepared 06/28/07		Time Prepared 2250	

Division Assignment List		1. Branch II		2. Division/Group V			
3. Incident Name ANGORA		4. Operational Period 06/29/07 Friday Day Shift 0600 - 1800					
5. Operations Personnel							
Operations Chief	GEOFF WILFORD	Division/Group Supervisor	JOHN FLORES				
Operations Chief	RANGER DORN (T)	Air Attack Supervisor	KENT HASKINS				
Branch Director	PETE DUNCAN	Safety Officer	DANIEL JOHNSON				
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Num of Pers.	Trans. Y/N	Drop Off PT./Time	Pick Up PT./Time		
CREW S/T - T1 - 9275G	ESPARZA, JOSE	35	N	DP 4 - 0600	1800		
CREW S/T - T1 - 9241G	CORN, SCOTT	35	N	DP 4 - 0600	1800		
CREW S/T - T1 - 9221G	BARRY, JIM	37	N	DP 4 - 0600	1800		
CREW - T2IA - SLIDE MOUNTAIN #2	NELSON, CODY	19	N	DP 4 - 0600	1800		
ENGINE S/T - T3 - 9210C	SUMMERVILLE, DAN	17	N	DP 4 - 0600	1800		
WT - T2 - SHF #66	OLDS, BOBBY	2	N	DP 4 - 0600	1800		
WT - T2- SWR # 3490	LADD, RANDALL	1	N	DP 4 - 0600	1800		
EMTP	DELEO, MIKE	1	N	DP 4 - 0600	1800		
EMTB	WINNINGHAM, MELISSA R	1	N	DP 4 - 0600	1800		
7. Control Operations							
- Mop-up 300 feet inside the line							
- Snag 500' inside the line							
8. Special Instructions							
- EMT's Deleo and Winningham assigned to Division V/Y.							
- Resource Advisors included R. Sanchez and S.Parsons- Contact Division when entering and leaving.							
9. Division/Group Communications Summary							
Function	Frequency - RX	Frequency - TX	Tone	System	Channel	System	Channel
Command	168.7000 N	170.9750 N			7		
Tactical Div/Group	173.9625 N	173.9625 N			4		
Logistics							
Air to Ground	166.3375 N	166.3375 N			6		
Prepared by (Resource Unit Leader)		Approved by (Planning Section Chief)		Date Prepared		Time Prepared	
R. Mustatia (T), E. Ernst (T)				06/28/07		2328	

AIR OPERATIONS SUMMARY

Prepared By: **Jason Nava AOB(T)** Prepared Date: **June 28, 2007** Prepared Time: **2100**

1. INCIDENT NAME: **ANGORA** 2. OPERATIONAL PERIOD DATE: **JUNE 29, 2007** START TIME: **0800** END TIME: **2000** SUNRISE: **05:36AM** SUNSET: **20:29PM**

3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):						4. MEDEVAC AIRCRAFT:		5. TFR: NOTAM# 7/5763	
References and Attachments To Be Briefed To All Personnel: 1) MAINTAIN 1000' AGL IN TRANSIT FLIGHTS 2) WATCH FOR AIRCRAFT WITHIN FIRE PERIMETER 3) MAINTAIN COM. WITH ATGS/HLCO FOR AIRSPACE SEPATATION 4) WILDERNESS LAKES OFF LIMITS FOR WATER USE MINDON AIR TANKER BASE UNICOM/APPROACH 123.05 NOTAM# 7/5763, FREQ. 123.175						INCIDENT, H-528 CALSTAR MEDEVAC (see medical plan)		Radius: 7 NM Altitude 12,000 ' MSL	
								Center point: LAT: 38 52.23 LONG: 120 02.15	
6. PERSONNEL	NAME	Phone #	7. FREQUENCY	AM	FM	8. FIXED-WING Avail / Type/ Make-Model / FAA N# / Base(s)			
AOBD	Kent Haskins	661-330-0133	AIR/AIR PRIMARY	123.175		AIRTANKERS: Order through ATGS			
AOBD(T) ASGS	Jason Nava Jerry Disney	661-805-4750 209 352-0209	A/A – BRIEFING South Lake Tahoe Unicom	122.950					
HEB-1			FW A/A Tactics-		171.1375	LEADPLANES: LEAD 56			
Helibase			Flight Follow						
Minden Fax		775-782-1441	AIR / GROUND		166.3375	ATGS AIRCRAFT: 17V, LEAD 56, AT 507, AT 07			
AOBD DESK		530-541-9253							
ATGS	Russ Gripp	530-598-4172				H2O: LAKES IN THE WILDERNESS ARE OFF LIMITS			
ATGS (t)	Curtis Coots	530-945-7395	Deck		163.100				
ATGS ATGS	Mark Nunez	805-895-6620	TOLC: Local Unicom	122.950		Retardant: FIXED WING ONLY			
HLCO	H-507			RX	TX				
HLCO	Mike Eaton		Forest	172.3750	171.5150				
				RX	TX				
			Command	168.7000	170.9750				

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-553	3	ASTAR	HELIBASE	0700	0800	STANDARD							
H-528	2	BELL 212	HELIBASE	0700	0800	STANDARD							
H-534	2	BELL 205	HELIBASE	0700	0800	STANDARD							
HT-720	1	S-54	HELIBASE	0700	0800	TANKED CRANE							

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

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 applicable) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Air Tactical	Coverage over incident by FW ATGS on request, H-507 AV @ Helibase.	0830	MINDEN	FIRE
Dropping Retardant: Air Tanker	FW air tankers when available as ordered by DIVS to ATGS.		MINDEN	FIRE
Dropping Water: Helicopters	as ordered by ATGS		HELIBASE	FIRE
Transport Personnel	On request		HELIBASE	FIRE
Cargo Transport	On request		HELIBASE	FIRE
Recon	Order thru AOBD		HELIBASE	FIRE
Medevac	ATGS, DIVS to Communications and MEDUL to coordinate MEDEVAC; determine nature of injury, method of transport.		HELIBASE	HOSPITAL
Mapping/Infrared	Helicopter 553 as requested		HELIBASE	FIRE
Refueling	At Southlake Tahoe airport (Helibase)			
Rappel	Available On request			
Firing				

S A F E T Y M E S S A G E

Angora Fire

June 29, 2007 Day Shift

USE **L**OOKOUTS, **C**OMMUNICATIONS, **E**SCAPE ROUTES, **S**AFETY ZONE
LCES IN PLACE EVERY TIME

Weather Environment

- Winds are still forecast for today.
- Good weather observations yesterday! Keep it up and communicate it up to Division.
- ERC's for Basin are at all time high!!

Fireline:

- Mop up is getting deeper in. There are lots of stump holes and snags.
- Rehab is beginning in Division Sierra with some heavy equipment.
- Dedicated lookouts, watch for roll out, Watch Out #13.
- Utilities are still hard at work in residential areas. Lots of equipment and personnel. Be mindful when working in the same area.

Transportation issues:

- **HWY 89 IS OPENING TODAY! IT'S FRIDAY! WATCHOUT!**
- Drive slow, lights on, use amber flashers as needed.
- Public will be allowed/escorted into burned areas. Be on the lookout.
- LOTS of media in the area clogging up roads. Watch out!
- Angora Ridge RD single lane, limited turnouts.
- Burnt power poles, utility folks in the fire area replacing lines and poles. Give them space.

Prepared by: Jennifer Boyd Safety Officer Date: 7/28/07
Linda Szczepanik Deputy Safety Officer

INCIDENT RISK ANALYSIS (ICS 215a)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	SNAG HAZARDS	<ul style="list-style-type: none"> Follow Hazard Tree Safety Guidelines (IRPG p. 80). Limit number of personnel around snags and their exposure time; be alert around snags during wind events. Check for hazard trees & "widow-makers" in working/rest areas prior to entering.
ALL	NIGHT DRIVING HAZARDS	<ul style="list-style-type: none"> Drive defensively! Expect the unexpected around every curve. Drive with headlights on; Use Reds in dense smoke, before backing use backers whenever available. Increase following distances on dusty roads, dust at night equals very poor visibility Narrow, winding one lane roads, use traffic control when needed.
ALL	FIRE BEHAVIOR	<ul style="list-style-type: none"> Review "Severe Fire Behavior Potential" (IRPG p.76). Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift. Be observant for formation and passage of thunder cells through or close to fire area and alert all personnel. Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate. Adhere to 10 Std Orders, mitigate 18 situations. Maintain Situational Awareness.
ALL	FATIGUE/COLD WEATHER	<ul style="list-style-type: none"> Long I.A. shifts, local resources will not drive home. Maintain 2:1 work/rest ratio. Monitor incoming resources for level of fatigue. Down to near freezing at night, dress accordingly
ALL	HYDRATION	<ul style="list-style-type: none"> Drinking water before, during and after shifts, up to 1.5 gal. per shift.
ALL	LINE CONSTRUCTION	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Steep ground, ensure nighttime work is advisable. Ensure LCES in place prior to engagement (IRPG p. 6). Adhere to 10 Std. Orders, mitigate 18 Situations. Establish adequate safety zones (IRPG p.7) and escape routes. Use Downhill Line Checklist (IRPG p. 8).
ALL	BEAR PRECAUTIONS	<ul style="list-style-type: none"> Pick up and remove all trash from fire line. Don't allow storage of food in tents. Manage trash in base camps and staging areas.
ALL	FOOT TRAVEL	<ul style="list-style-type: none"> In steep and rocky terrain, watch footing and maintain proper spacing. Watch for over-head hazards. Treat "hot spots" on your feet before they become blisters. Maintain downhill tool placement
ALL	EXTREMELY STEEP TERRAIN AND ROLLING MATERIAL	<ul style="list-style-type: none"> Watch your footing; take your time; ensure adequate spacing between crewmembers; post lookouts to warn of rolling debris. If you can't mitigate snag hazards stay out!
DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES
ALL	MOP UP	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Use all required PPE, including eye protection. Maintain proper spacing and overhead clearance. Be alert for stump holes and root cavities. Minimize exposure to smoke, and rotate personnel into clean air when practical. Evaluate unburned islands/increase situational awareness.
ALL	FIRING OPERATIONS	<ul style="list-style-type: none"> A written guideline shall be prepared and approved for major burning operations. Conduct thorough briefing for all personnel (inside rear cover IRPG). Qualified personnel for all assignments. Trainees to have qualified trainers. Utilize Risk Mgmt. Process (IRPG p. 1) for implementing the plan. Required PPE to be worn by all personnel involved. Establish LCES prior to implementing burning operations (IRPG p. 6). Assign an over-all Firing Boss to coordinate ignitions when simultaneous burning operations are planned for multiple locations.
ALL	STRUCTURE PROTECTION & HAZMAT ISSUES	<ul style="list-style-type: none"> Conduct thorough briefing for all personnel (inside rear cover IRPG). Utilize Structure Assessment Checklist (IRPG p.14). Follow Structure Protection Guidelines (IRPG p. 16). Utilize hazmat IC Checklist (IRPG p. 26). Call Comm fro Hazmat Support
ALL	LIMITED MEDIVAC CAPABILITY DUE TO PERIODS OF SMOKE INVERSION / NIGHTTIME	<ul style="list-style-type: none"> Assign personnel with Advanced Life Support capability on the line. Numerous local ambulances, order through communications See Med Plan Supervisors insure that personnel with severe reaction to bee sting, etc. have "epi-kits" or consider leaving such individuals in camp.
ALL	SAFETY ZONES	<ul style="list-style-type: none"> Follow safety zone guidelines (IRPG p. 7) Carefully evaluate burned areas before designation as safety zones due to heavy surface fuel loadings When safety zones are distant from work site, set trigger points to allowing personnel to reach them in a timely manner.
ALL	Impacted Utilities Electrical, Gas	<ul style="list-style-type: none"> Lots of power poles burnt through, wires should be treated as live, power is off in the fire area
Incident Name Angora	DATE PREPARED: June 28, 2007	OPERATIONAL PERIOD Day Shift 6/29/07 0600-1800 Prepared by L. Szczepanik
	ICS 215a	

MEDICAL PLAN	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	ANGORA FIRE	06/28/07	2100hrs	06/29/07 Day 0600 hrs - 1800 hrs

5. INCIDENT MEDICAL AID STATIONS			
MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
Frontline Medical Trailer	ICP – Trailer near dining area	XX	
Line EMT/EMTP's	Divisions where assigned	XX	

6. TRANSPORTATION			
A. Air Ambulances			
NAME	ADDRESS	PHONE	PARAMEDICS
			YES NO
CalStar – Air Ambulance		530-544-2338	XX
Care Flight		530-982-4144	XX
H 20 CHP (Rescue hoist, night capability)		530-320-4808	XX
B. Ground Ambulances			
City of South Lake Tahoe		530-542-6110	XX
Lake Valley Fire		530-542-6110	XX
Tahoe Douglas Fire (Nevada)		775-782-9911	XX

7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Barton Memorial	2170 South Avenue South Lake Tahoe, CA N 38 54.5 / W 119 59.8	-----	20 min	530-541-3420	XX			XX
Renown Level 1 Trauma Center	1155 Mill Street Reno, NV N 39 31.5 / W 119 47.8	5 min	90 min	775-982-4144	XX			XX
UC Davis Medical Center Level 1 Trauma/Burn Center	2315 Stockton Blvd. Sacramento, CA N 38 33.17 / W 121 27.05	20 min	120 min	916-734-3636	XX		XX	

8. MEDICAL EMERGENCY PROCEDURES

LINE EMERGENCY: Crew Supervisor to contact Division Supervisor with patient complaint/condition and location.

- Division Supervisor contacts:
 - Line EMT / PM
 - Communications Unit
- Communication Unit will clear command channel for emergency traffic**
- Communications Unit contacts:
 - Medical Unit
 - Safety
 - Operations
- Division Supervisor will run medical emergency on command channel
- Medical Unit will:
 - Dispatch ground ambulance to nearest drop-point for ground transport only.
 - Or after patient pickup, dispatch ambulance to Helibase for Medical AIR EVAC Flight if needed
 - Notify receiving hospital of injury status.

CAMP EMERGENCY: Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident:

- Medical Unit contacts:
 - Communications
 - Safety
 - Logistics
 - Operations
 - Crew Supervisor

INJURY REPORTING PROCEDURES

NATURE OF INJURY _____

LOCATION OF PATIENT _____

TRANSPORTATION REQUESTED BY: AIR ___ GROUND ___

POINT OF PICKUP _____

LAT _____ LONG _____

PATIENT UNIT ID _____

REMINDER: DO NOT GIVE PT NAME OVER RADIO

IS A EMT WITH PATIENT: YES _____ NO _____

AGE _____

SEX: MALE _____ FEMALE _____

ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

ICS 206 8-78	9. PREPARED BY (MEDICAL UNIT LEADER)	10. REVIEWED BY (SAFETY OFFICER)
	Michael H. Clemens / MEDL	Jennifer Boyd / SOF



Human Resource Message

Angora Fire June 29, 2007

Thank You!

Over the next several days, some of us will be demobing and going home. The Incident Management Team would like to thank each of you for the professional and competent manner in which you approached your fire assignment.

Due to your efforts, personnel-related issues on this incident have been minimal. You were proactive at maintaining good work relationships and creating a harassment-free work environment.

Thank you all for a job well done. I'll look forward to working with you again on future fire assignments.

Please have a safe journey home.

**Cliff Ligons
Human Resource Specialist**

Special Rehab Instructions

- When practical, flush cut to ground level all stumps from felled trees.
- In the event of a fuel spill or discovery of toxic material on NFS lands, contact communications at ICP to notify safety.
- Start water bar construction on all handlines – See water bar specs.

Special De-Mob Instructions

- All vehicles de-mobed must be washed. Washing station located at Lake Tahoe Blvd. and “C” Street.
- All helicopter tanks and buckets to be flushed with 3% bleach/water mix.

The Five-D System for Effective Fireline Waterbars

Michael J. Furniss
USDA Forest Service
Pacific Northwest Research Station
Corvallis, Oregon

To make effective waterbars on firelines, just remember the 5-D System. The five D's are: **Distance, Diagonal, Divert, Discharge, and Dissipate.**

Most forest values depend on healthy soils, clean water, streams full of fish, diverse wildlife habitats, productive timberlands, beautiful places, and so on. Firefighters strive to protect our soils by suppressing the wildfires that can damage them.

Methods used to fight fires, especially firelines, can cause erosion and soil degradation, and need to be treated to properly maintain forest values. Fireline surfaces usually cause runoff during heavy rainfall and snowmelt. Without waterbars, excessive runoff will concentrate and cause rills and gullies to form. Effective waterbars can prevent this from happening.

Distance: To be effective, waterbars must break up drainage areas and runoff on the fireline so that there's not enough erosive energy available in runoff to erode the soil. To ensure that excess runoff cannot accumulate, waterbars must be placed the proper distance apart, based on the slope of the fireline. This breaks up the area that accumulates runoff, keeping it small enough to prevent damage. Erosion potential depends on slope and a table is provided on the next page that gives the maximum distance between waterbars, or between a waterbar and the next upslope drainage break.

Diagonal: After deciding where you will put each waterbar, the next decision is how to build them. An important principle in working with flowing water is: don't bully the flow, lead it. Waterbars built directly across a fireline oppose the water's energy and tend to fail. Waterbars built diagonal to the fireline lead the water off and work much better. A diagonal waterbar has a gentle slope along its base that leads the water off. A simple rule is to add 5 to the slope of the road, in percent, and build the waterbar at that many degrees from perpendicular. Or simpler yet, just build them at 30 degrees off perpendicular (see the illustration on the next page).

Divert: A good waterbar will divert the water off the fireline. To do this the waterbar must be sufficiently deep to handle all the flow for as long as it's needed. Excavation is much more effective than fill in making a durable and effective waterbar (a ditch or a dip beats a dike).

Discharge: Another feature of a good waterbar is that it will discharge the flow. A good waterbar is not a dam – it must have an open outlet.

Dissipate: Finally, a good waterbar should dissipate the flow just below the outlet to exhaust its eroding power and cause it to filter into the soil. This may require placing slash, rock, or debris below the outlet, or fudging a bit on distance to take advantage of natural features that will dissipate the water's erosive energy.

So remember, 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.

Fireline slope %	Maximum Distance Apart (feet)
1-6	300
7-9	200
10-14.....	150
15-20.....	90
21-40.....	50
41-60.....	25

Recommended spacing for waterbars on firelines.
 Waterbars should be no further apart than this, but they may be closer. When in doubt, put in more. From: UDSA-Forest Service, "Sale Administrator's Handbook"

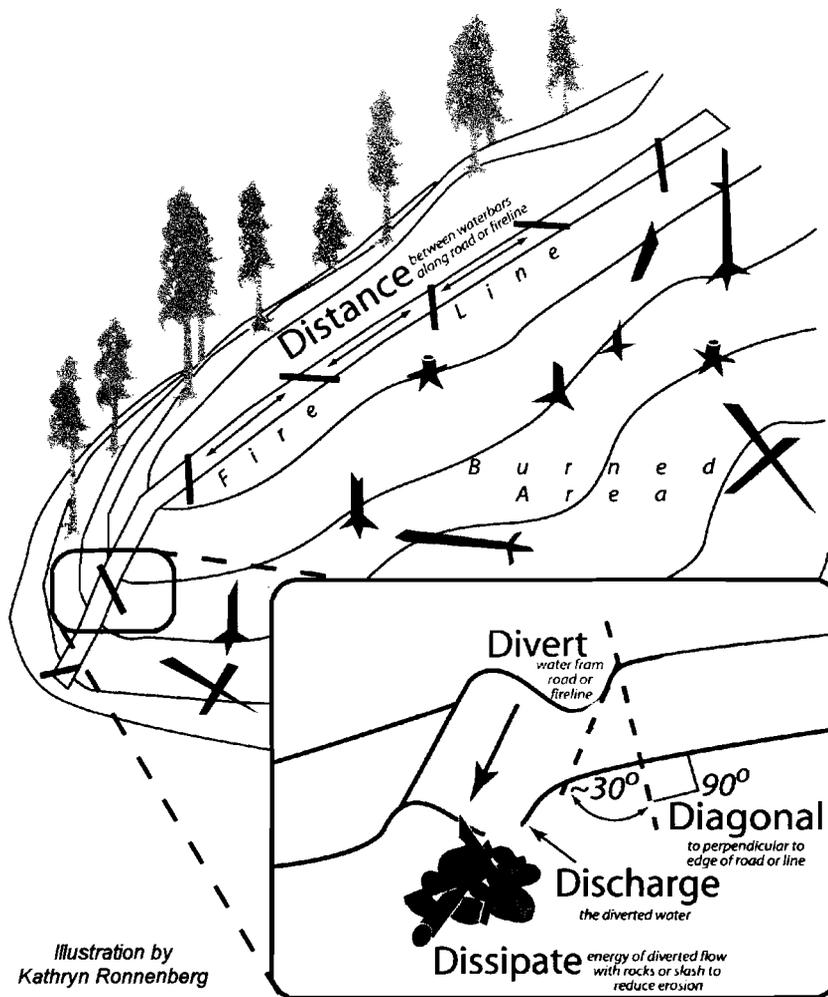


Illustration by
 Kathryn Ronnenberg

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

