

FLAT Fire

Incident Action Plan

JULY 16, 2012

0600 to 2000

Hydration

- With the Current Temperature and Work Load Maintaining proper Hydration is Very Important
- Drink a Minimum of 250ml/hour ($\frac{1}{4}$ canteen)
- Drink water and sports drink at a 2:1 ratio

Steep Slopes and Rolling Material

- Burn operations Increase Potential for Rocks
- Scout Work Area for Potential Hazards
- Communicate the Locations and Avoid them

Hazard Trees

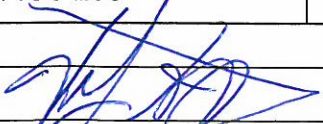

- Fire Weakened trees ARE out there
- Identify Areas or Individual Trees
- Communicate Locations
- **DO NOT PARK or WORK IN THESE AREAS**

KEEP A HIGH LEVEL OF
SITUATIONAL AWARENESS


CA-SHF-002290 P5G1YE (0514)

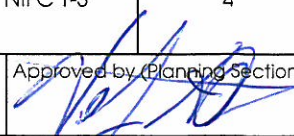
SHASTA-TRINITY NATIONAL FOREST

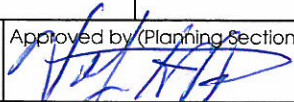
Northern California Incident Management Team 1

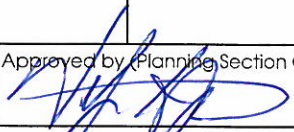
INCIDENT OBJECTIVES	1. Incident Name	2. Date Prepared	3. Time Prepared		
ICS 202	Flat Incident	07/15/2012	1900		
4. Operational Period					
07/16/2012 Day Shift 0600 - 2000					
5. General Control Objectives for the Incident (include alternatives)					
Control Objectives <ol style="list-style-type: none"> 1. Provide for firefighter and public safety by utilizing the risk management process. 2. Protect private property and infrastructure within or adjacent to the fire area. 3. Protect the Trinity River Wild and Scenic River Corridor. 4. Keep the fire within the established perimeter. 5. Initiate fire suppression damage repair. 					
Management Objectives <ol style="list-style-type: none"> 1. Keep fire suppression expenditures commensurate with resource values at risk. 					
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		Unit Log ICS-214
x	Medical Plan-ICS 206	x	Safety Message		Vicinity Map
9. Prepared by			10. Approved by (Incident Commander)		
Valery Lambeth 			Paul Whitcome 		

ORGANIZATION ASSIGNMENT LIST		Medical Unit	Josh Ramey, Clayton Thomas
1. Incident Name		Receiving & Distribution	Fred Johnson
Flat Fire		Security Unit	Gary Skunkcap
2. Date	3. Time	Food Unit	Jay Westlake
July 15, 2012	1300	9. Operations Section	
4. Operational Period		Chief	Alec Lane
Day Shift July 16, 2012, 0600-2000		Planning Ops	Robin Wills
Position	Name	a. Branch 1 - Division/Groups	
5. Incident Commander and Staff		Branch Director	DAY SHIFT
Incident Commander	Paul Whitcome, Steve Burns (t)	Division/Group A	Mark Vardanega, Mike Klimek(t)
Deputy	Mike Minton	Division/Group B	Randy Jennings, Don Fregulia(t)
Safety Officer	Rich Rubin, Jeff Barnhart, Dave Kirste, Mike Frederick (t)	Division/Group Z	Rico Gonzalez, Kyle Jacobson(t)
Information Officer	Jim Mackenson, Phyllis Swanson	Division/Group Structure	Jeffrey Hinson, Mike Hughes(t)
Liaison Officer	Kent Swartzlander	Division/Group	
6. Agency Representative		b. Branch 2 - Division/Groups	
Agency Admin.	Tina Lynsky	Branch Director	NIGHT SHIFT
Resource Advisors	Eric Wiseman, Mark Arnold	Deputy	
Trinity Co. Sheriff and OES	Larry Masterman	Division/Group All Divisions	William Schaal / Tyler Attebury(t)
Calif. OES Rep.	Marvin Howard	Division/Group	
Cal Fire Rep.	Andy Relling	Division/Group	
Trinity County Sup.	Debra Chapman	Division/Group	
Cal Trans Rep.	Joe Baltazar	Division/Group	
7. Planning Section		c. Air Operations Branch	
Chief	Valery Lambeth	Air Operations Branch Director	Curtis Coots
Deputy	Dave Sinclear	Air Attack Supervisor	
Resources Unit	Gary Deboi, Chris Wikeen (t)	Air Support Supervisor	Ken Crawford / Steve Beall
Situation Unit	Walter Herzog(t)	Helicopter Coordinator	
Documentation Unit	Louann Charbonnier	Air Tanker Coordinator	
Demobilization Unit	Melissa Hennessey	10. Finance Section	
Human Resources		Chief	Joann Hereford, Rachel Corkill (t)
Training	Julie Buel	Time Unit	Mandi Heitman
CTSP	George Steel	Procurement Unit	Katie Pasini
GIS	Kyle Felker , Melanie Hans	Compensation/Claims Unit	Millie Ferguson
FBAN	Jessica Wade, John Wood (t)	Equipment Time	Nicole Savage (t)
IMET	Jeff Tonkin	Prepared by (Resource Unit Leader) Gary R. Deboi / Chris Wikeen (t)	
8. Logistics Section			
Chief	Paul Montgomery		
Deputy	Brett Shurr		
Supply Unit / Ordering	Richard Sheets (t) / Brett Shurr		
Facilities Unit	Jeff Huhtala, Frank DelCarlo		
Ground Support Unit	Tom Carter, Ken Kumpe (t), Patrick Howard (t)		
Communications Unit	Rick Cartoscelli, Phil Shafer,		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group A			
3. Incident Name Flat Fire		4. Operational Period Date: July 16, 2012 Time: 0600 - 2000					
5. Operations Personnel							
Operations Chief	Alec Lane	Division/Group Supervisor		Mark Vardanega / Mike Klimek (†)			
Planning Ops	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		
Iron Mountain T2IA	David Halcomb	19	N	Per DIVS	Per DIVS		
Firestorm #1 T2 IA	Brian Levine / Ken Bailey (†)	19	N	Per DIVS	Per DIVS		
PAS #4 T2IA	James Stiteler / Floyd Hartman (†)	20	N	Per DIVS	Per DIVS		
SOFR	Larry Dorshorst	1	N	Per DIVS	Per DIVS		
EMT-P	Emily Geries	1	N	Per DIVS	Per DIVS		
7. Control Operations							
<ul style="list-style-type: none"> Improve and hold existing control lines. Begin mop-up, securing up to 200 feet. Fell fire weakened trees to assure 300 feet of safe working conditions along the fire perimeter. Begin suppression repair where appropriate. 							
Special Instructions:							
<ul style="list-style-type: none"> Backhaul all trash and equipment. GPS any hand lines, dozer lines or sling sites. Please bring all GPS data to the Situation Unit. ALS ambulance staged at Del Loma. 							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeat	RX 168.7000N TX 170.9750N	Command 1	1 110.9	Backup Command	RX TX		
Tactical Div/Group	RX 168.0500N TX 168.0500N	NIFC T-1	3	Air to Ground	RX 168.7375N TX 168.7375N	Flat Air/Ground	9
Prepared by (Resource Unit Leader) Gary R. Deboi & Chris Wikeen (†)		Approved by (Planning Section Chief) 		Date July 15, 2012		Time 1730	

SDIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group B																										
3. Incident Name Flat Fire			4. Operational Period Date: July 16, 2012 Time: 0600 - 2000																												
5. Operations Personnel																															
Operations Chief		Alec Lane		Division/Group Supervisor		Randy Jennings / Don Fregulia (†)																									
Planning Ops		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																									
Mill Creek IHC	John Ellison		19	N	Per DIVS	Per DIVS																									
Happy Camp #2 T2IA	Damon McCartney		20	N	Per DIVS	Per DIVS																									
PAS #3 T2IA	Joe Kellert		20	N	Per DIVS	Per DIVS																									
SHF Engine 22	Eugenia Wiebe		5	N	Per DIVS	Per DIVS																									
SHF Engine 331	Brian Carman		5	N	Per DIVS	Per DIVS																									
SHF Dozer 29	Dave Brown		2	N	Per DIVS	Per DIVS																									
WT Cattaneo (E-32)	Richard Hardcastle		1	N	Per DIVS	Per DIVS																									
SRF WT 35	Kirby Bennett		1	N	Per DIVS	Per DIVS																									
WT CJ's Fire Support (E-28)	Chris Hall		1	N	Per DIVS	Per DIVS																									
WT CJ's Fire Support (E-29)	Red Jackson		1	N	Per DIVS	Per DIVS																									
EMT-P	Brad Setterland		1	N	Per DIVS	Per DIVS																									
EMT-B	Alex Lynn		1	N	Per DIVS	Per DIVS																									
TFLD	Ed Guidi		1	N	Per DIVS	Per DIVS																									
TFLD (†)	Zac Cogle		1	N	Per DIVS	Per DIVS																									
DOZB	John Peaks		1	N	Per DIVS	Per DIVS																									
SOF2	Jeff Barnhart		1	N	Per DIVS	Per DIVS																									
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Prepared by (Resource Unit Leader) Gary R. Deboi & Chris Wikeen (†)			Approved by (Planning Section Chief) 			Date July 15, 2012		Time 1930																							

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Planning Ops		Robin Wills		Air Attack Supervisor No.																											
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Fulton IHC	Ron Bollier	18	N	Per DIVS	Per DIVS																										
Smith River IHC	Glen Tingley	19	N	Per DIVS	Per DIVS																										
El Cariso IHC	Jay Bertek	19	N	Per DIVS	Per DIVS																										
Black Mesa IHC	Frank Auza	20	N	Per DIVS	Per DIVS																										
MAS #1 T2IA	Shawn Bush, Aaron Whiddan (t)	20	N	Per DIVS	Per DIVS																										
NHS #2 T2IA	Jim Litevich	20	N	Per DIVS	Per DIVS																										
ANF ST 1610C	Bruce Steinberg / Darren Kaye (t)	27	N	Per DIVS	Per DIVS																										
SRF Engine 351	Harold Reed / Matt Salmon (t)	5	N	Per DIVS	Per DIVS																										
SHF Engine 43	Ben Hendricks	4	N	Per DIVS	Per DIVS																										
WT Cattaneo (E-24)	Ed Swanson	1	N	Per DIVS	Per DIVS																										
WT Cattaneo (E-31)	Shawn Williamson	1	N	Per DIVS	Per DIVS																										
Fallers Shasta Brown	Michael Brown / Richard Bolton	2	N	Per DIVS	Per DIVS																										
FELB	TBA			Per DIVS	Per DIVS																										
TFLD	Keith Dietz	1	N	Per DIVS	Per DIVS																										
SOFR	Don Tashima	1	N	Per DIVS	Per DIVS																										
EMT-P	Jody Hughes	1	N	Per DIVS	Per DIVS																										
EMT-B	Kirk Potter	1	N	Per DIVS	Per DIVS																										
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OHS #1 T2IA	Aaron Kloss / Brian Porter (†)		19	N	Per DIVS		Per DIVS																								
SRF Engine 32	James Collins		5	N	Per DIVS		Per DIVS																								
SNF Engine 41	Carlos Cabanas		5	N	Per DIVS		Per DIVS																								
SNF Engine 42	Richard Morris		5	N	Per DIVS		Per DIVS																								
SNF Engine 53	Thomas Goode		5	N	Per DIVS		Per DIVS																								
SNF Engine 14	Harvey McGovran		5	N	Per DIVS		Per DIVS																								
WT 36 (SRF)	Earnest Kurran		1	N	Per DIVS		Per DIVS																								
WT Let 'ER Buck (E-30)	Steve Lassen		1	N	Per DIVS		Per DIVS																								
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Flat Fire Incident Weather Forecast



FORECAST NO: 3 D
 PREDICTION FOR: Monday Day Shift
 SHIFT DATE: July 16, 2012
 FORECAST ISSUED: 1800 July 15th, 2012

NAME OF FIRE: Flat Fire
 UNIT: SHF Big Bar RD
 Incident Meteorologist: Jeff Tonkin

WEATHER DISCUSSION: An unseasonably strong upper low accompanied by a much cooler and more moist airmass can be expected over the fire area for the next 3 days. Temperatures will drop about 10 degrees today followed by additional cooling on Tuesday. Cloud cover, high rh's and the possibility of some light rain will occur Tuesday. This feature will begin to exit the region on Wed followed by a return to near normal conditions on Thursday.

WEATHER FORECAST TODAY (MONDAY DAY SHIFT):

WEATHER: Party cloudy and cooler.
 MAX TEMPERATURES: 84 – 89. 10 degrees cooler under smoke.
 MIN HUMIDITY: 29 – 37%. 10-15% higher under smoke.

WINDS (EYE LEVEL): Upper Slopes - South and Southwest 4 to 7 mph...gusts to 15.

Drainages - Light and variable until 1100PDT... Then Southeast to Southwest 5 to 8 mph ...gusts 8 to 13 mph after 1500.

STABILITY / INVERSION: Moderately Un-Stable. Morning drainage inversions near 1700 ft breaking by 0900.

WEATHER FORECAST TUESDAY:

WEATHER: Cloudy and Cool... With a 70% Chance of Wetting Rain. Slight chance of thunderstorms.
 MAX TEMPERATURES: 67 – 74.
 MIN HUMIDITY: 54 - 62%...Much higher during and after rain.

WINDS (EYE LEVEL):
 RIDGETOP - South 8 to 12 mph...Gusts to 20 mph.
 DRAINAGE - South or Southwest 4 to 8 mph. Gusts 10 to 14 mph.
 LAL: 2
 FORECASTED PRECIP AMOUNT AT BIG BAR: 0.19 inches.

OUTLOOK FOR WEDNESDAY: Decreasing Clouds and warmer. Max Temps: 78 to 84. Min RH: 32-38% Wind: Mainly west and southwest 4 to 8 mph...gusts to 15 mph after 1400 PDT along the 299 Corridor.

EXTENDED FORECAST FOR THURSDAY THROUGH SATURDAY: Mostly Sunny with afternoon cumulus. Trending a little warmer and drier each day. Max Temps...92 to 98. Min RH 15-20%. Wind mainly upslope or west 4 to 8 mph with gusts to 12 mph after 1500 PDT.

Observations from Yesterday (Sunday)

	<u>Max T</u>	<u>Min RH</u>	<u>Wind Dir.</u>	<u>Wind Speed / Gust</u>
Big Bar RAWS (2700 ft) :	98	19%		SW 5-9 mph / 12-14

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 06	TYPE OF FIRE: Wildfire
FIRE NAME: FLAT Fire	OPERATIONAL PERIOD: 07/16/12 0600-2200
DATE ISSUED: 7/15/12	TIME ISSUED: 1900
UNIT: Shasta-Trinity NF, Big Bar RD	SIGNED: Jessica Wade (FBAN), John Wood (FBAN-t)

WEATHER SUMMARY

~See Attached Weather Forecast ~

Temp: Around 85

Min RH: 30% to 40%.

Eye Level Wind: Ridges- S-SW 4-7 Gust 15; Drainages- West 5-8 Gust 13 along river.

FIRE BEHAVIOR

GENERAL:

- Light timber litter:
 - Clear conditions - Head fire spread rates 10-12 ch/hr with approx. 5 ft flame lengths.
 - Smokey conditions - Head fire spread rates near 5 ch/hr with approx. 2-3 ft. flame lengths.
- Backing/Flanking rates of spread – approaching 2 chain/hr with 2' flame lengths can be expected
- Spotting Distance: approximately a quarter of a mile

>> ERC forecast is 68 for the Shasta-Trinity NF which is slightly above average for this time of year.

>> BI forecast is 61 on the Shasta-Trinity NF which is near average for this time of year.

>> Fine Fuel Moisture for this afternoon with clear skies is 7%

>> Probability of ignition for clear skies is 50%.

>> Live fuel moisture measured on 7/7/12 in the Manzanita was at 140%

SPECIFIC Fire Behavior:

Division A and B – In Little Sweede Creek, there continues to be a potential for unburned fuel to make a run toward the line. Ensure you monitor activity in this drainage. Fire weakened trees and hot rollout pose a potential for spotting across the line.

Division Structure – The fire behavior (from the planned firing operation) in the area behind the Del Loma community is likely to have moderate rate of spread with upslope runs. Be extra watchful for spotting downwind of the column.

Division Z – The higher RH today will moderate fire behavior in this division. However, the heat in the upper end of Pellatreau Creek will continue to make upslope runs in areas where there are unburned fuels and slope and wind align. Be especially careful where torching occurs near the line.

The firing window at the bottom of the division may not become available until after 1200 because of the high RH values. After noon, the winds may be adverse to the burning operation. As the burning progresses toward the bottom, the grass fuel model becomes more dominant which will be more sensitive to the RH, but will have an increased ROS.

AIR OPERATIONS

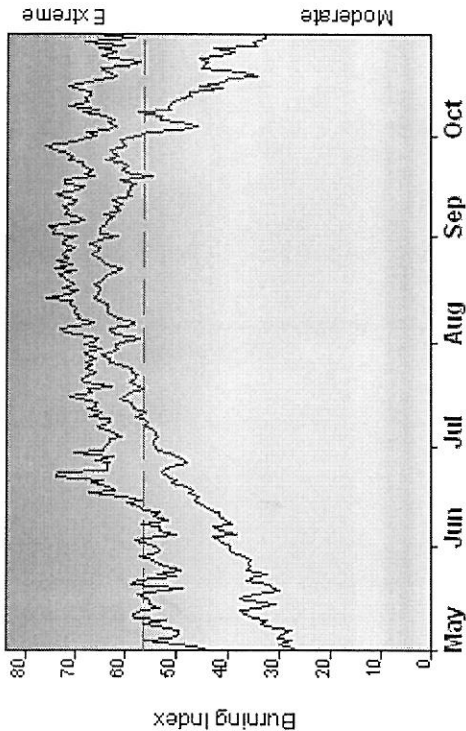
The smoke will be pushed in a similar direction as yesterday; most areas should be non- smoky by 1100.

SAFETY

Rolling debris continues to be a threat to fire spotting. Ensure you are watching your back door for an increase in fire behavior across the line.

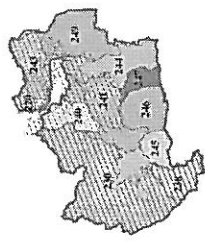
FIRE DANGER -- Shasta-Trinity National Forest

Maximum, Average, and 52th Percentile, based on 10 years data



Fire Danger Area:

- ◆ Fire Danger Rating Areas: 230, 238, 240, 241, 243
- ◆ * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



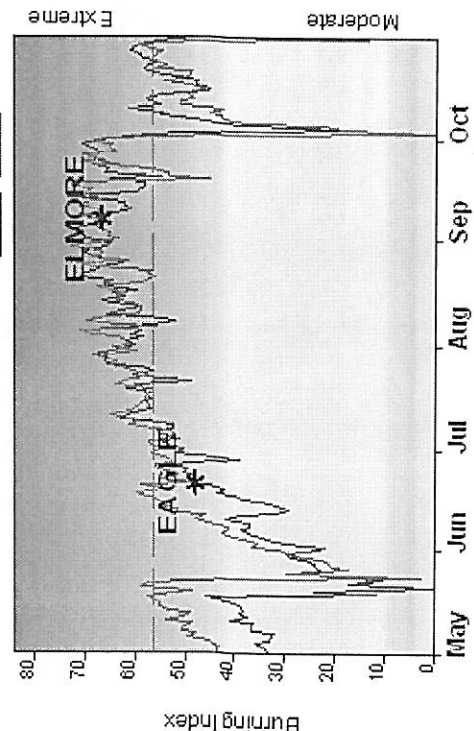
EXTREME -- Use extreme caution
(Caution) -- Watch for change
Moderate -- Lower Potential, but always be aware

Maximum -- Highest Burning Index by day for 2000 - 2009

Average -- shows peak fire season over 10 years (1839 observations)
52th Percentile -- Only 48% of the 1839 days from 2000 - 2009 had an Burning Index above 56

Local Thresholds - Watch out: Combinations of any of these factors can greatly increase fire behavior:
20+ Wind Speed over 3 mph, RH less than 21%,
Temperature over 73, Energy Release Component over 72

Years to Remember: 2006 2008



Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

Past Experience:

Dry lightning July - September produces multiple starts.
Large fire growth is common under little or no wind conditions.
Ten acre fires can begin with BI's in the mid 30's and become more frequent with BI's of 50 or higher.

RAM's stations used: Mt. Shasta, Round Mtn, Ash Creek, Big Bar, Hayfork, Yolla Bolla, Friend Mtn, Sugarloaf, Pattymocus.

Responsible Agency: Shasta-Trinity National Forest

Design by NWCG Fire Danger Working Team

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name FLAT			CA-SHF-002290			Date/Time Prepared 07/15/12 1600		Operational Period Date/Time DAY SHIFT 07/16/12												
Only frequencies listed on this 205 are authorized for use on this incident.												Radio programmers accept all responsibility for the use of unauthorized frequencies.											
Ch #	Function	Channel Name	Assignment	RX Freq N or W	RX Tone	TX Freq N or W	TX Tone	Mode	Remarks														
1	CMD 1	CMD 1	ALL DIVISIONS	168.7000N		170.9750N	T1, 110.9	A	COVERS FIRE AREA														
2	CMD 2	CMD 2	COMMAND ACCESS FR ICP	169.5375N		164.71250N	T1, 110.9	A	COVERS TRAVEL ROUTE AND IN CAMP														
3	TACTICAL	NIFC T-1	DIVISION A	168.0500N		168.0500N		A															
4	TACTICAL	NIFC T-3	DIVISION B	168.6000N		168.6000N		A															
5	CONTINGENCY TAC	NIFC T-5	UNASSIGNED	166.7250N		166.7250N		A	IF NEEDED ASSIGNED BY OPS														
6	TACTICAL	NIFC T-6	DIVISION Z	166.7750N		166.7750N		A															
7	TACTICAL	NIFC T-7	STRUCTURE DIVISION	168.2500N		168.2500N		A															
8	WT TRAVEL TAC	FS R5 T-4	WTs ON ROAD 5N13	166.5500N		166.5500N		A	TRAFFIC FLOW CONTROL ON FRENCH CR ROAD														
9	FLAT A/G	FLAT A/G	ALL DIVISIONS	168.7375N		168.7375N		A															
10	CALCORD	CALCORD	MED HELO CONTACT	156.0750W		156.0750W		A															
11	SHF FOR RPT	SHF RPT	ALTERNATE CMD	171.5750N		169.1000N		A	TONE 9 IN ICP, 4 OR 5 IN THE FIRE AREA														
12	SHF LOCAL IA	NIFC T-2	IA OUTSIDE FLAT INCIDENT	168.2000N		168.2000N		A															
13	SHF A/G PRI	SHF A/GP	IA ON SHF	167.6000N		167.6000N		A	ASSIGNED BY SHF DISP UPON IA														
14	URGENT AIR CONTACT	AIR GUARD	ALL DIVISIONS	168.6250N		168.6250N	T1, 110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1														
15	SHF A/G SEC	SHF A/GS	IA ON SHF	166.8750N		166.8750N			ASSIGNED BY SHF DISP UPON IA														
16	URGENT AIR CONTACT	AIR GUARD	ALL DIVISIONS	168.6250N		168.6250N	T1, 110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE														

Incident Location

Prepared by: 
 Rick Cartosca/Phil Shafer, COM1 NorCal IMT 1

DEL LOMA, CA LAT N40° 47.1009, W123° 20.4566'

AIR OPERATIONS SUMMARY

PREPARED BY: Ken Crawford

PREPARED DATE/TIME: 7/15/12 18:00

1. INCIDENT NAME: Flat	2. OPERATIONAL PERIOD DATE: 7/16/12	START TIME: 0600	END TIME: 2200	SUNRISE: 05:19	SUNSET: 20:00
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Ensure to conduct a high level recon before for descending into the Trinity River Corridor. THINK WIRES! Initial Attack responsibility area consists of the TFR perimeter. Watch for intruder aircraft within TFR. Ensure ground personnel are working with aviation assets when conducting bucket drops. Divisions order all logistical requests through Flat Communications. Divisions order tactical request directly through Air Attack or Helibase.					
4. MEDEVAC A/C: 7BL Internal litter capability		5. TFR: Radius: 5 NM Notam 2/7288 Altitude: 8000 = MSL Centerpoint: Lat: 40 47.00N Long: 123 21.00W			
6. PERSONNEL					
	Phone	AM	FM	# Avail / Type/Make-Model / FAA N# / Base(s)	
AOBD:		AIR/AIR FW:	168.6375 (A-16)	Airtankers	TBA
ATGS: Paul Thornton O-111 ATGS: Peter Koerber A-37.5	530 524-9577 530-277-9261	AIR/AIR RW:	128.075 (A-24)	Leadplanes	TBA
HLCO:		AIR/GROUND:	168.7375 (A-17)	Base FAX #:	
ASGS: Ken Crawford Steve Beall O-74	(530) 412-2534 (530) 598-9231	AIR/AIR TFR:	123.7250 (A-15)	ATGS Aircraft	N1385L (A-29) 507 Relief (A-28)
HEB-1 Jeff Quick Heb-2 (T) Virgil Lookingback	(928) 499-9420 (928) 899-0810	COMMAND RPT	Rx:168.7000 Tx:170.9750 Tone 110.9	Other	Helicopters on ground by 2045 hrs
ATB MGR: Lisa Smith	(530) 226-2796	DECK FREQ:	163.100		
		TOLC 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
(A-5) 7BL	3	Bell L4	054	0700	0800	Recon/Medivac/ IA							
(A-25) 15S	2	UH1HS Limited	054	0700	0800	Bucket/Sling							
(A-26) N20PA	2	Bell 212 HP Standard Cat	054	0700	0800	Tank/IA							
(A-27) 4TH	1	Bell 214 Limited	054	0700	1400	Bucket/Sling							

MEDICAL PLAN	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period					
	Flat Fire	June 15, 2012	1900	July 16, 2012 0600-2000					
5. Incident Medical Aid Station									
Medical Aid Stations		Location	Phone	Paramedics		Yes	No		
Front Line Medical		Junction City Park area	530-941-5590	X					
6(A). AIR Transportation									
Name		Location	Phone	Paramedics		Yes	No		
Reach Medivac	Day/Night	Redding	911 or 530-623-8126	RN					
PHI	Day/Night	Redding	911 or 530-623-8126	RN					
CHP (Hoist)		Redding	911 or 530-623-8126	X					
7BL (designated Medivac)		Helibase – Weaverville airport	928-499-9420				X		
6(B). Ground Ambulances									
Name		Location	Phone	Paramedics		Yes	No		
Trinity 308 – Incident Amb.		Del Loma	Flat communications or 530-623-8126	X					
Trinity County Ambulance		Weaverville	911 or 530-623-8126	X					
Hoopa Ambulance		Willow Creek	911 or 530-625-4180	X					
7. Hospitals									
Name		Address	Travel Time		Phone	Helipad		Burn Center	
			Air	Ground		Yes	No	Yes	No
Mercy Medical Level 2 Trauma Center		2175 Rosaline Ave, Redding N 40° 34.2' / W 122° 23.7'	40 min	1.5 hrs	530-225-7201 (ER)	X			X
Shasta Regional		1100 Butte st, Redding N 40° 35.1' / W 122° 23.8'	40 min	1.5 hrs	530-244-5400	X			X
Trinity Hospital		410 N. Taylor st Weaverville Ca N 41°15. 48' / W 122°16.15'	12 min	40 min	530-623-5541 (ext, 1 for ER)	X			X
UC Davis Burn Center		2315 Stockton Blvd, Sacramento N 38° 33.17' / W 121° 27.05'	1.5 hrs	6 hrs	916-734-3636 916-734-3790	X		X	
8. Medical Emergency Procedures									
<input type="checkbox"/> Contact Flat 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 Ph: 530-277-1213 <i>Josh Ramey</i>					Rich Rubin SOF 2 <i>Rich 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 (CH10)

	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 (may need to be cleared or improved)

***DP 6 - N 40°47.18 / W 123°19.06 (Div.Z)**

***Sling 1 - N 40°48.59 / W 123°20.05 (Div.B) – Only with significant improvement**

***DP 5 - N 40°47.51 / W 123°21.02**

***Del Loma - N 40°46.67 / W 123°19.92**

***Flat ICP (gravel pit) - N 40°43.35 / W 123°02.84**

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.

Flat Fire Incident Risk Analysis (215A)

Div.	LCES Analysis of Tactical Applications (Hazardous Actions or Conditions)	LCES Mitigations/Warnings/Remedies
All	Hydration	<ul style="list-style-type: none"> • Dehydration is preventable. Drink a minimum of 250ml/hour; $\frac{1}{4}$ of canteen • Drink water & sports drinks before, during, and after shifts. (2 waters to 1 sports drink)
All	Heat Disorders	<ul style="list-style-type: none"> • Caused by prolonged work periods without breaks to actively reduce core temperature, restricted fluid intake, or failure of the body's ability to regulate heat. <ol style="list-style-type: none"> 1. Move patient to a cooler location and provide cold water and sports drink 2. Actively reduce core temperature through evaporation • Mental confusion may develop...This is a serious trigger point for the potential onset of Heat Stroke. Refer to Medical Plan for additional EMS care and Evacuation
All	Poison Oak	<p>Identify and Avoid Contact when Possible Seek Early Treatment in Medical Unit Launder Clothing to Avoid Repeat Reaction</p>
B, Z	Terrain Makes Escape Routes to Safety Zones Long and Difficult	Pre-plan escape routes and safety zones, make known to all personnel, as work progresses re-evaluate, base distances on slowest crewperson
B, Z	Steep terrain and Rolling material.	Watch out for rolling material on steep terrain igniting fuels below. Keep eyes in the green. Stay alert and watch your footing. Post lookouts. Have escape routes <u>and make them known.</u>
All	Bees and Snakes	ID EMT personnel on crews. If stung or bit, reactions could become extreme within minutes. Evaluate and notify Division Supervisor immediately!
All	Difficult terrain and conditions for providing for emergency medical needs.	Review Med Plan before the need arises. Limit high risk activities. Identify Medivac sites and provide info to your DIVS.
All	Hazard Trees	Identify, Flag, Communicate to adjoining forces, and mitigate if safe to do so. Limit exposure. Use qualified fallers
All	Highway 299 traffic	Entering and exiting ICP and side roads use extreme caution when crossing traffic lanes, or merging onto 299.

Date & Time Prepared: July 15, 2012 @ 1643
Operational Period: July 16, 2012 from 0600-2000

Prepared By: Richard Rubin, SOF2



**Today's discussion is from the
Miscellaneous Category.**

[Six Minutes Home Page](#)

General Risk Management

- "Risk management doesn't get in the way of doing the mission - it is the way we do the mission."
- Identify the hazards! Make this a mandatory step in your daily decision making routine.
- Assess the risk levels. Exposure time x probability of hazard occurrence = Risk
- Analyze control measures. Limiting exposure is almost always an option
- Make control decisions. Make certain the right person with good information makes the tough calls.
- Implement risk controls. Deliberate actions designed to get the job done safely.
- Supervise and review. Stay on top of the situation and adjust risk controls as necessary.

Communications / Briefings

One of the hallmarks of high reliability organizations (an organization which operates in a hazardous environment, yet accomplishes a very low rate of accidents and incidents) is an understanding of the importance of effective and varied communication.

Good communication patterns have several common elements: frequent briefings, multiple instances and opportunities for shared information, and acknowledgment of the necessity to talk at the individual, team, organizational and system levels.

Good briefings occur both before and after critical events in a system.

Researches who have studied effective crews and teams find that better briefing leads to better performance, particularly when crews or teams work with strangers on fire fighting lines.

Effective leaders establish and reaffirm norms of conduct for behavior in the group, and insist that people keep each other informed on what they were doing and the reasons for their actions, and the situational model that gave rise to those reasons and actions. This would include: 1. Here's what I think we face 2. Here's what I think we should do 3. Here's why 4. Here's what we should keep our eye on 5. Now talk to me

It's everybody's responsibility to challenge and to respond to challenges in a trustworthy manner, and to listen carefully and respectfully to the response.

TRAINING SPECIALIST MESSAGE

**If you are working on a
Position Task Book while on this incident,
please contact the
Training Specialist as soon as possible
to insure the required
documentation is initiated.
This includes all personnel
regardless of agency affiliation.**

Julie Buel

Training Specialist

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.

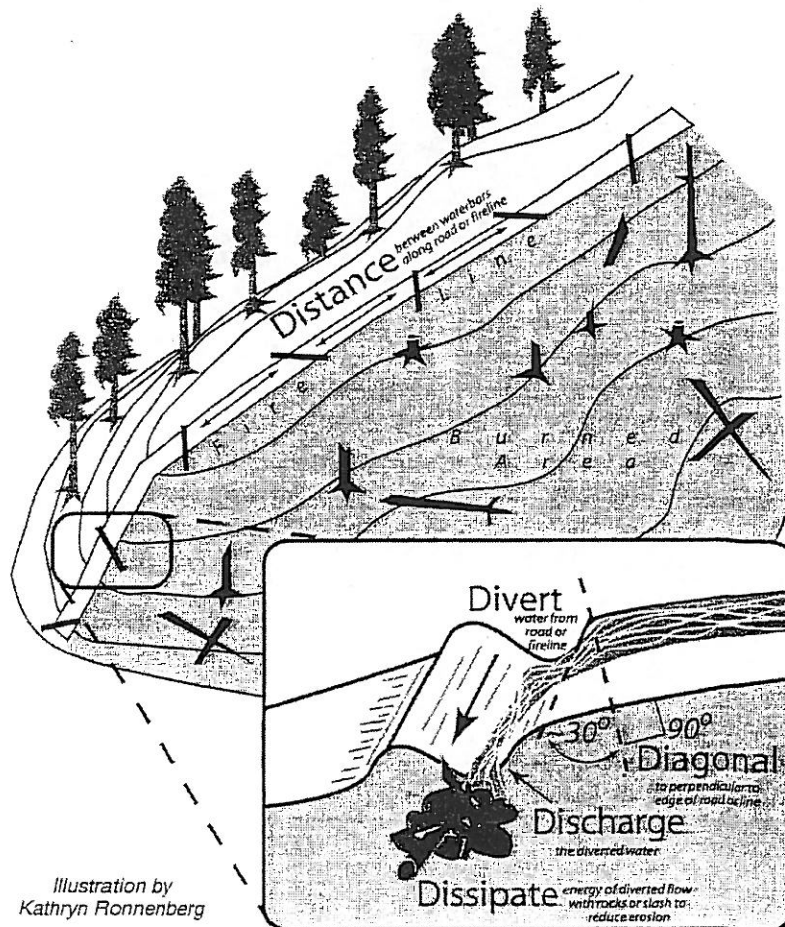


Illustration by
Kathryn Ronnenberg

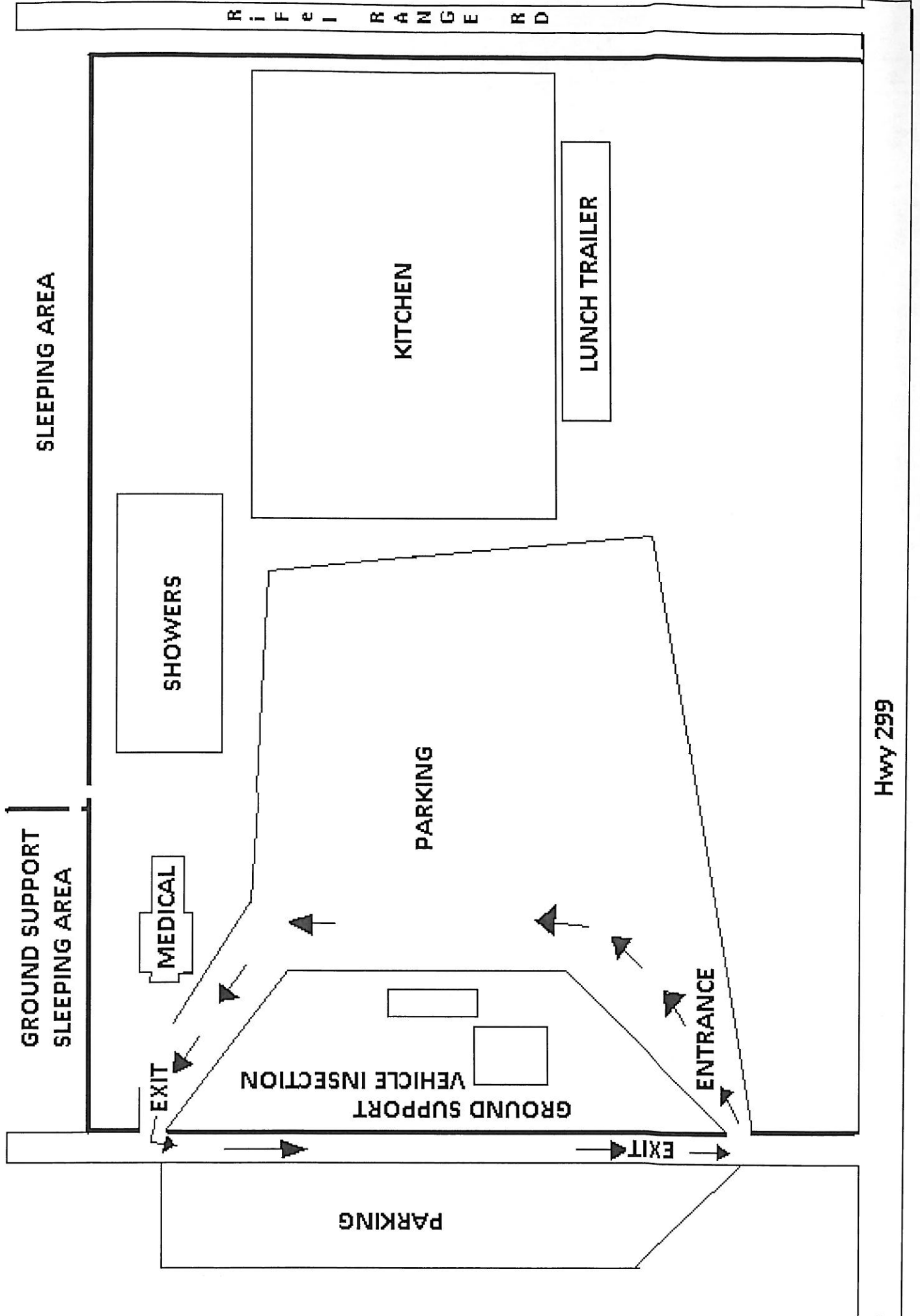


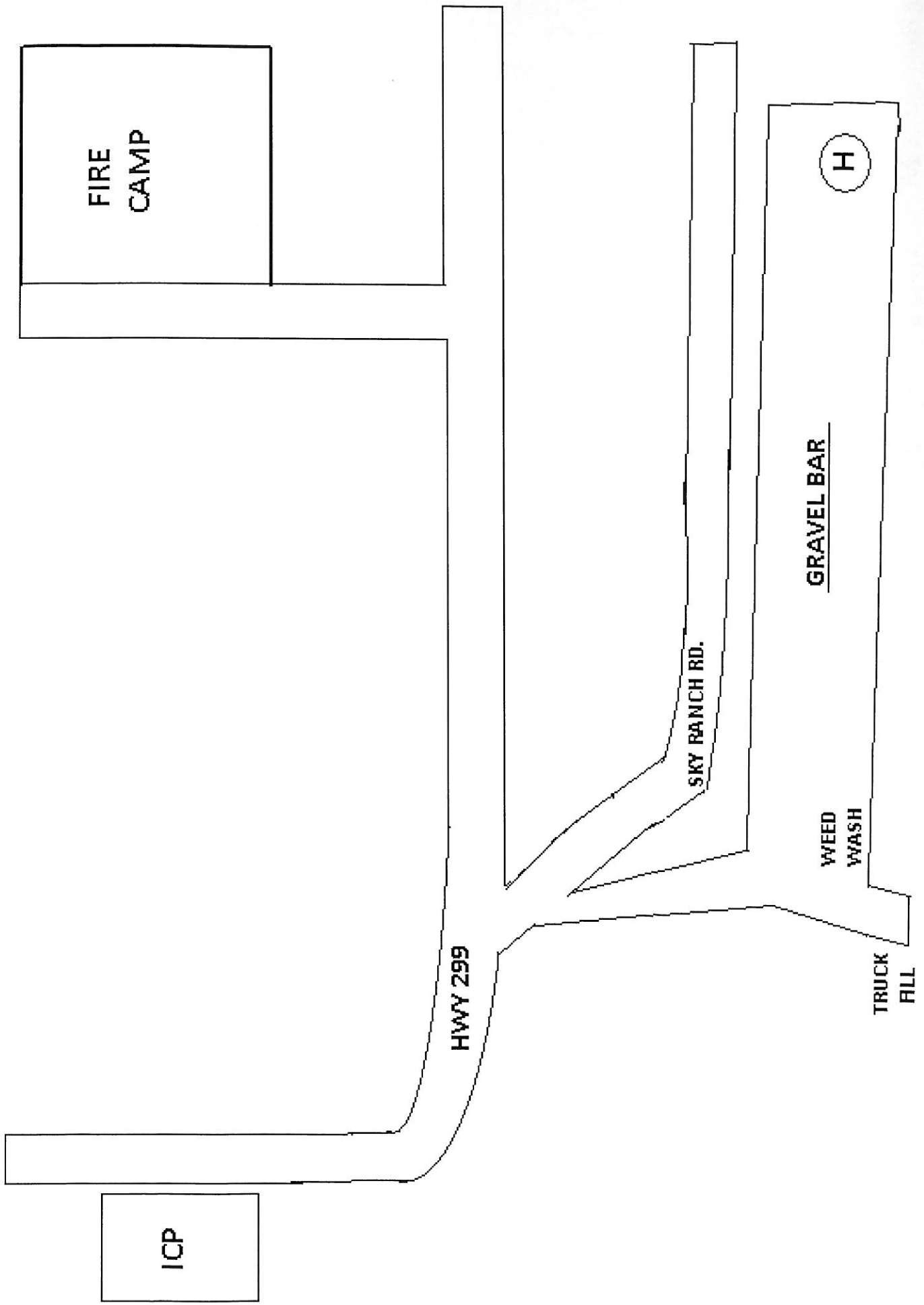
SOCIAL MEDIA

Northern California IMT 1 reminds all personal to think before you post those photos and/or videos taken on this incident. Remember that all of our Agencies have policies in place regarding the taking and/or posting of photos or videos on any media site such as Facebook, YouTube, Flickr, etc. Such activities can easily result in serious, unintended consequences.

If you have photos or video that you would like to share, please bring them by the PIO desk located at the ICP

R i f f e I R A N G E R D





FIRE
CAMP

ICP

HWY 299

SKY RANCH RD.

WEED
WASH

TRUCK
FILL

GRAVEL BAR

H

JUNCTION CITY
FIRE DEPARTMENT

FUEL
TRUCK

SUPPLY

COMMUNICATIONS

IC /DEPUTY IC
LIAISON OFFICER
INFORMATION
LOST & FOUND

LOGISTICS
MEDICAL
FACILITIES

FIRE BEHAVIOR
WEATHER
SITUATION

CHECK-IN
DEMOB
FINANCE
ORDERING

BRIEFING
AREA

SAFETY
PLANNING
OPERATIONS
MEETING ROOM

FIRE DOG
COPY TRAILER

PARKING

USFS STATION
OVERHEAD SLEEPING

PARKING
LOT

HWY 299

