

FLAT Fire

Incident Action Plan

JULY 13, 2012

1800 to 0800

TRANSITION DAY

- Clone to the new Communications Plan
- Brief on Your Assignment and Provide Updates to Your Supervisor

DIFFICULT TERRAIN and CONDITIONS FOR PROVIDING EMS

- Review Medical Plan and Communications Protocol
- Limit High Risk Activities

HAZARD TREES

- Identify, Flag, Avoid and Communicate to Others

SCOUT WORK AREA in DAYLIGHT

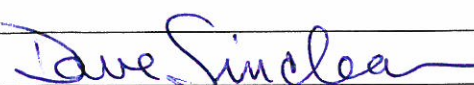

- Identify Hazards, Limit Exposures and Manage Risk

**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		07/13/2012		1200	
4. Operational Period							
07/13-14/2012 Night Shift 1800 - 0800							
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 Flat fire: <ul style="list-style-type: none"> - North of Highway 299 and Hayden Flat, - West of French Creek and Barnum Ridge - South of Swede Creek - East of the 5N04 road 							
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		
1. Incident Name Flat Fire		
2. Date July 13, 2012	3. Time 1300	
4. Operational Period Night Shift July 13-14, 2012, 1800 - 0800		
Position	Name	
5. Incident Commander and Staff		
Incident Commander	Paul Whitcome	
Deputy	Mike Minton	
Safety Officer	Rich Rubin, Jeff Barnhart, Dave Kirste, Mike Frederick (t)	
Information Officer	Jim Mackenson, Phyllis Swanson	
Liaison Officer	Kent Swartzlander	
6. Agency Representative		
Agency		
Agency Admin.	Tina Lynsky	
Resource Advisors	Eric Wiseman, Mark Arnold	
Trinity Co. Sheriff and OES	Larry Masterman	
Calif. OES Rep.	Marvin Howard	
Cal Fire Rep.	Andy Reiling	
Trinity County Sup.	Debra Chapman	
Cal Trans Rep.	Joe Baltazar	
7. Planning Section		
Chief	Valery Lambeth	
Deputy	Dave Sinclear	
Resources Unit	Gary Deboi, Louann Charbonnier, Melissa Hennessey, Chris Wikeen (t)	
Situation Unit	Walter Herzog(t)	
Documentation Unit		
Demobilization Unit		
Human Resources		
Training	Julie Buel	
CTSP	George Steel	
GIS	Kyle Felker, Melanie Hans	
FBAN	Jessica Wade, John Wood (t)	
IMET	Jeff Tonkin	
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,	
Medical Unit	Josh Ramey	
Receiving & Distribution	Fred Johnson	
Security Unit		
Food Unit	Jay Westlake	
9. Operations Section		
Chief	Alec Lane (D), Steve Burns (N)	
Planning Ops	Robin Wills	
a. Branch 1 - Division/Groups		
Branch Director	DAY SHIFT	
Division/Group A	Mark Vardanega, Mike Klimek(t)	
Division/Group B	Randy Jennings, Don Fregulia(t)	
Division/Group Z	Rico Gonzalez	
Division/Group Structure	TBA, Mike Hughes(t)	
Division/Group		
b. Branch 2 - Division/Groups		
Branch Director	NIGHT SHIFT	
Deputy		
Division/Group All Divisions	Schaal / Attebury (t)	
Division/Group		
Division/Group		
Division/Group		
Division/Group		
c. Air Operations Branch		
Air Operations Branch Director	Curtis Coots	
Air Attack Supervisor		
Air Support Supervisor	Ken Crawford	
Helicopter Coordinator		
Air Tanker Coordinator		
10. Finance Section		
Chief	Joanne Hereford, Rachel Corkill (t)	
Time Unit		
Procurement Unit		
Compensation/Claims Unit		
Equipment Time	Nicole Savage (t)	
Prepared by (Resource Unit Leader) Gary R. Deboi		

DIVISION ASSIGNMENT LIST		1. Branch		2. Division/Group All Divisions			
3. Incident Name Flat Fire		4. Operational Period Date: July 13-14, 2012 Time: 1800 - 0800					
5. Operations Personnel							
Operations Chief	Steve Burns	Division/Group Supervisor		Schaal / Attebury (T)			
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		
Trinity River Crew 6	Jan Smutz	16	N	1800	0800		
Trinity River Crew 5	Nick Ciapponi	15	N	1800	0800		
SHU Engine 2456	Rustack		N	1800	0800		
SHU Engine 2475	Callie Furia	5	N	1800	0800		
SHU Engine 2478	Matt Houston	3	N	1800	0800		
SHF Engine 43			N	1800	0800		
WT Cuttaneo (E-32)	Angelo Cuttaneo	1	N	1800	0800		
7. Control Operations Hold and secure line, protect structures.							
Special Instructions:							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command Repeat	RX 168.7000N TX 170.9750N	Command 1	1 110.9	Tactical CREWS	RX 168.0500N TX 168.0500N	NIFC T-1	3
Tactical ENGINES	RX 168.2500N TX 168.2500N	NIFC T-7	7	Air to Ground	RX 168.7375N TX 168.7375N	Flat Air/Ground	9
Prepared by (Resource Unit Leader) Gary R. Deboi & Chris Wikeen (t)		Approved by (Planning Section Chief) <i>Dave Smulean</i>		Date July 13, 2012		Time 1200	



Flat Fire Incident Weather Forecast



FORECAST NO: 1 N
 PREDICTION FOR: Friday Night / Saturday Morning Shift
 SHIFT DATE: July 13th, 2012
 FORECAST ISSUED: 1000 July 13th, 2012

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

WEATHER DISCUSSION:

Weak Pacific trough of low pressure off coast will maintain near normal temperatures and decent relative humidity recovery. This pattern will persist through Monday...followed by a cooling trend along with higher RH's starting Tuesday.

WEATHER FORECAST TONIGHT (FRIDAY NIGHT SHIFT):

WEATHER: Clear but smoky.
 MIN TEMPERATURES: 52 – 57 drainages. 60 – 64 Upper Slopes.
 MAX HUMIDITY: 55-60% drainages. 47 – 53 % Upper Slopes.

WINDS (EYE LEVEL):
 RIDGES/UPPER SLOPES: West 4 to 6 mph early evening...variable 1 to 2 mph after midnight.

LOWER SLOPE
 DRAINAGE : Trinity River wind west 4 to 8...gusts to 12 mph until 1900 then becoming calm.
 Elsewhere...downslope 1 to 2 mph.

STABILITY / INVERSION: Morning drainage inversions to about 1800ft.

WEATHER FORECAST SATURDAY NIGHT:

WEATHER: Clear but Smoky.
 MIN TEMPERATURES: Upper 50s.
 MAX HUMIDITY: 50-60%.
 WINDS (EYE LEVEL):
 RIDGETOP - West 4 to 6 mph early evening...variable 1 to 2 mph after midnight.

VALLEY - Trinity River wind west 4 to 8...gusts to 12 mph until 1900 then becoming calm.
 Elsewhere...downslope 1 to 2 mph.

OUTLOOK FOR SUNDAY NIGHT: Little Change. Temps: 48 to 53 . RH: 50-60% Wind: Light and variable 1 to 2 mph.

EXTENDED FORECAST FOR MONDAY THROUGH WEDNESDAY: A cooler weather pattern will begin on Tuesday with higher RH's. West or downslope winds 2 to 3 mph. Min Temps...43-50. Max RH 70-80%.

Observations from Last Night (Thursday):

	<u>Min T</u>	<u>Max RH</u>	<u>Wind Dir.</u>	<u>Wind Speed / Gust</u>
Big Bar RAWS (1500 ft) :	55	59%	Calm	Calm / none

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 02	TYPE OF FIRE: Wildfire
FIRE NAME: FLAT Fire	OPERATIONAL PERIOD: 07/13/12 1800-0800
DATE ISSUED: 7/13/12	TIME ISSUED: 1000
UNIT: Shasta-Trinity NF, Big Bar RD	SIGNED: <i>Jessica Wade (FBAN), John Wood (FBAN-t)</i>

WEATHER SUMMARY

~See Attached Weather Forecast ~

Temp: 50-60

Min RH: 30% above thermal belt, 50% below.

Wind: Eye Level = Westerly river winds 8-12 in the late afternoon. Diminishing after 2000 to downslope 1-2.

FIRE BEHAVIOR

GENERAL:

- Light timber litter - head fire spread rates expected near up to 15 ch/hr with appx 3ft flame lengths
 - Grass- rates of spread could reach up to 50 ch/hr with flame lengths up to 7 ft.
 - Backing/Flanking rates of spread – approaching 1 chain/hr with 1' flame lengths can be expected
 - Spotting Distance: up to a tenth of a mile
- *ERC for today for the Northwestern Mountains is 57, which is average for this time of year.*
 - *BI for the Shasta-Trinity NF is forecast at 56 which is about average for this time of year.*
 - *Fine Fuel Moisture for today shaded is 8%*
 - *Probability of ignition is 35%*
 - *Live fuel moisture on 7/7/12 in the Manzanita was at 140%*

SPECIFIC Fire Behavior:

All Divisions –

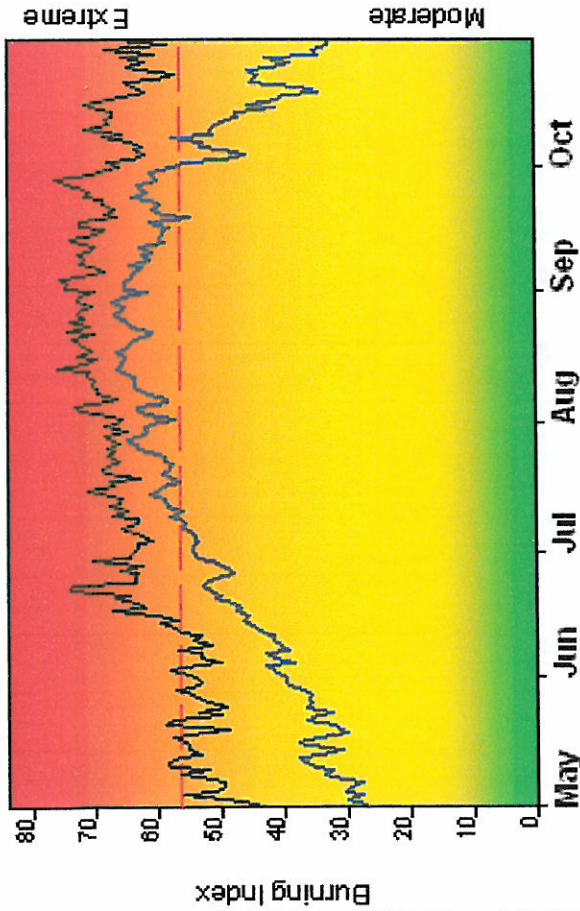
- Dead fuels are the primary carrier of this fire
- Expect to see short uphill runs in the grass and needle litter.
- With steep slopes, rollout causing short upslope runs is a high potential.
- Some torching could occur, generally single-tree.
- Upper slopes will be dryer above the inversion and will expect more fire activity tonight.
- Live fuel moistures in the brush are acting as a heat sink to help reduce fire spread.

SAFETY

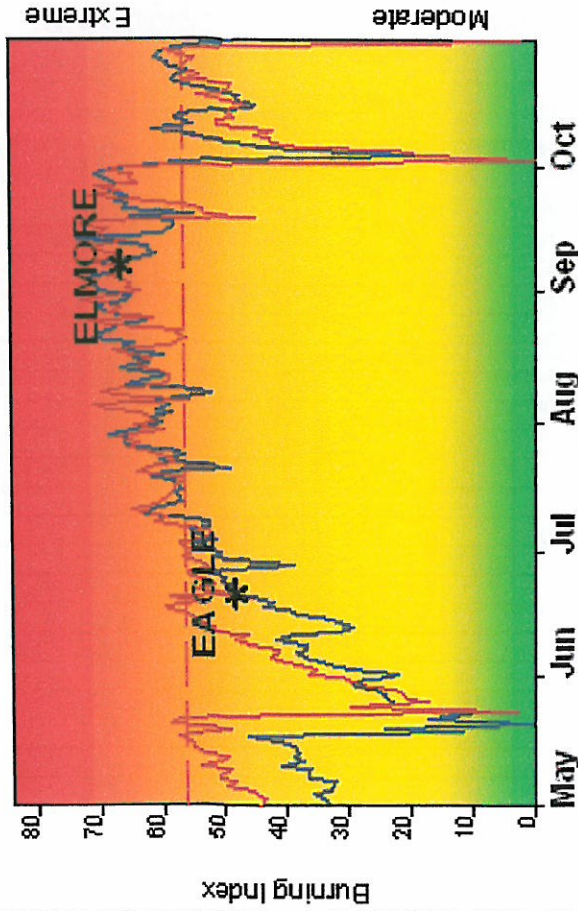
There are a lot of unburned pockets of fuel within the burn area. Be sure to keep an eye out for these pockets for flare-ups and possible spotting. Plan your escape routes with the unburned fuel in mind.

FIRE DANGER -- Shasta-Trinity National Forest

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



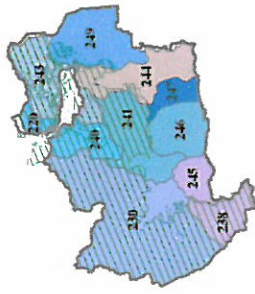
Years to Remember: 2006 2008



Fuel Model: G - Short-Needle (Heavy Dead)

Fire Danger Area:

- Fire Danger Rating Areas: 230, 238, 240, 241, 243
- Meets NWCG 10x 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

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.

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

Responsible Agency: Shasta-Trinity National Forest

INCIDENT RADIO COMMUNICATIONS PLAN	Incident Name FLAT CA-SHF-002290	Operational Period Date/Time NIGHT SHIFT 07/13-14/12
		Date/Time Prepared 07/13/12 1000

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	110.9	A	NIFC C-1 REPEATER
2	CMD 2	CMD 2	INACTIVE AT THIS TIME	169.5375N		164.71250N	110.9	A	NIFC C-8 REPEATER
3	TACTICAL	NIFC T-1	NIGHT CREWS	168.0500N		168.0500N		A	
4	TACTICAL	NIFC T-3	DIVISION B	168.6000N		168.6000N		A	
5	TACTICAL	NIFC T-5	DIVISION C	166.7250N		166.7250N		A	
6	TACTICAL	NIFC T-6	DIVISION Z	166.7750N		166.7750N		A	
7	TACTICAL	NIFC T-7	NIGHT ENGINES	168.2500N		168.2500N		A	
8	CONTINGENCY TAC	FS R5 T-4	AS ASSIGNED BY OPS	166.5500N		166.5500N		A	IF NEEDED ASSIGNED BY OPS
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	SHOULD INCIDENT CMD FAILS
12	SHF LOCAL IA	NIFC T-2	IA OUTSIDE FLAT INCIDENT	168.2000N		168.2000N		A	TONE 9 IN ICP, 4 OR 5 IN THE FIRE AREA
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	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	166.8750		166.8750			ASSIGNED BY SHF DISP UPON IA
16	URGENT AIR CONTACT	AIR GUARD	ALL DIVISIONS	168.6250N		168.6250 N	110.9	A	USE ONLY FOR URGENT AIRCRAFT IF HAND PROGRAMMING USE TONE 1

Prepared by 

Rick Cartocelli/Phil Shafer, COME KlorCal/MT 1

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

ICS 205 - 2007H

MEDICAL PLAN	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period					
	Flat fire	June 13, 2012	1000	July 13, 2012 1800-0800					
5. Incident Medical Aid Station									
Medical Aid Stations		Location	Phone	Paramedics					
				Yes	No				
Front Line Medical (Pending)		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 communication or Cell: 530-604-7572	X					
Trinity County Ambulance		Weaverville	911 or 530-623-8126	X					
Hoopla 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° 34.29' / W 122° 23.67'	40 min	1.5 hrs	530 246- 3729	X			X
Shasta Regional		1100 Butte st, Redding	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		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>Joshua 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

Possible Medivac Sites (may need to be cleared or improved)

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

299 at Little Swede Crk. - N 40°47.51 / W 123°21.02

Del Loma - N 40°46.67 / W 123°19.92

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	Communications	New Communication Plan. Clone your Radio. Give and receive communication feedback as to effectiveness. Use Human repeaters where necessary
All	Terrain Makes Escape Routes to Safety Zones Long and Difficult	Identify Trigger Points with Operations and Division Sups and make them known! Update your plan as you progress down the fireline
All	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	Cliffs	Give yourself room for recovery. Ensure your footing. Stay away if possible.
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 you 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 13, 2012 @ 0720

Prepared By: Richard Rubin, SOF2

Operational Period: July 13, 2012 from 1800-0800

CA-SHF-002290 P5G1YE (0514)
Shasta-Trinity National Forest
 Northern California Incident Management Team 1



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

A Training Specialist is now on the incident.

All federal, state, and local government agency trainees working on position task books will need to register with the Incident Training Specialist in order to receive proper credit for your assignment.

The TNSP desk is in the ICP – and is located adjacent to the Logistics trailer.

All Trainees who have previously checked in on this incident.....

Please see the Training Specialist at your earliest convenience.

Julie Buel
Training Specialist



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