

# FLAT Fire

## Incident Action Plan

JULY 16, 2012  
1800 to 0800

### Firing Operations

- Were conducted in Div Z during Day Shift
- Be aware of spot fire potential

### Steep Slopes and Rolling Material

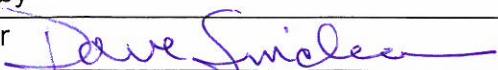

- Burn operations Increase Potential for Rocks
- Scout potential Hazardous Areas Before Dark
- Communicate Locations and Avoid

### Hazard Trees

- Fire Weakened trees ARE out there
- Identify Areas or Individual Trees Before Dark
- Communicate Locations and Avoid
- **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

<b>INCIDENT OBJECTIVES</b>	1. Incident Name	2. Date Prepared	3. Time Prepared
ICS 202	<b>Flat Incident</b>	<b>07/16/2012</b>	<b>1200</b>
4. Operational Period			
<b>07/16-17/2012 Night Shift 1800 - 0800</b>			
5. General Control Objectives for the Incident (include alternatives)			
<b>Control Objectives</b>			
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.			
<b>Management Objectives</b>			
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			
<input checked="" type="checkbox"/>	Organization List-ICS 203	<input type="checkbox"/>	Air Ops Plan ICS-220
<input checked="" type="checkbox"/>	Division Assignment List-ICS 204	<input checked="" type="checkbox"/>	Incident Map
<input checked="" type="checkbox"/>	Communications Plan-ICS 205	<input type="checkbox"/>	Traffic Plan
<input checked="" type="checkbox"/>	Medical Plan-ICS 206	<input checked="" type="checkbox"/>	Safety Message
<input type="checkbox"/>		<input checked="" type="checkbox"/>	Fire Weather Forecast
<input type="checkbox"/>		<input checked="" type="checkbox"/>	Fire Behavior Forecast
<input type="checkbox"/>		<input type="checkbox"/>	Unit Log ICS-214
<input type="checkbox"/>		<input type="checkbox"/>	Vicinity Map
9. Prepared by		10. Approved by (Incident Commander)	
Dave Sinclair 		Paul Whitcome  ICT2 (T)	

ORGANIZATION ASSIGNMENT LIST		Medical Unit	Josh Ramey, Clayton Thomas
1. Incident Name		Receiving & Distribution	Fred Johnson
<b>Flat Fire</b>		Security Unit	Gary Skunkcap
2. Date	3. Time	Food Unit	Jay Westlake
<b>July 16, 2012</b>	<b>1000</b>	<b>9. Operations Section</b>	
4. Operational Period		Chief	Alec Lane
Night Shift July 16-17, 2012, 1800-0800		Planning Ops	Robin Wills
Position	Name	<b>a. Branch 1 - Division/Groups</b>	
<b>5. Incident Commander and Staff</b>		Branch Director	<b>DAY SHIFT</b>
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	
<b>6. Agency Representative</b>		<b>b. Branch 2 - Division/Groups</b>	
Agency Admin.	Tina Lynsky	Branch Director	<b>NIGHT SHIFT</b>
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	
<b>7. Planning Section</b>		<b>c. Air Operations Branch</b>	
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	<b>10. Finance Section</b>	
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)	
<b>8. Logistics Section</b>			
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		



<b>DIVISION ASSIGNMENT LIST</b>		1. Branch		2. Division/Group <b>All Divisions</b>			
3. Incident Name Flat Fire		4. Operational Period Date: July-16/17- 2012      Time: 1800 - 0800					
5. Operations Personnel							
Operations Chief	Steve Burns	Division/Group Supervisor		William Schaal / Tyler 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		
ST SHF 3676C	Sean Johnny	27	N	Per DIVS	Per DIVS		
MDF Engine 65	Cory Sutton	5	N	Per DIVS	Per DIVS		
7. Control Operations Improve and hold existing control lines.							
Special Instructions: ALS ambulance is 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 Tone 1	Tactical	RX TX		
<b>Tactical ENGINES</b>	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 (†)		Approved by (Planning Section Chief) <i>Steve Smelean</i>		Date July 16, 2012		Time 1200	



# Flat Fire Incident Weather Forecast



FORECAST NO: 4 N  
 PREDICTION FOR: Monday Night / Tuesday Morning Shift  
 SHIFT DATE: July 16/17 , 2012  
 FORECAST ISSUED: 1000 PDT July 16<sup>th</sup> , 2012

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

## WEATHER DISCUSSION:

Clouds will increase tonight with the chance of some sprinkles or light showers beginning around midnight and lasting through sunrise. Rain chances increase through the day Tuesday along with much cooler temps. On Wednesday the trough moves east of the area with a return to near normal conditions by Thursday... followed by a gradual warm up Friday and Saturday.

## WEATHER FORECAST TONIGHT (MONDAY NIGHT SHIFT):

WEATHER: Increasing clouds with a chance of light showers or thunderstorms.  
 MIN TEMPERATURES: 45 – 50.  
 MAX HUMIDITY: 35-45% until 2000... rising to Near 100% after midnight.

### WINDS (EYE LEVEL):

RIDGES/UPPER SLOPES: West 4 to 6... Gusts to 12 mph early evening... variable 1 to 2 mph after midnight.

### LOWER SLOPE

DRAINAGE : Trinity River wind west 5 to 8... gusts to 15 mph until 2000 then becoming calm or downslope 1 to 2 mph.

STABILITY / INVERSION: Unstable... weak or no inversions.

## WEATHER FORECAST TUESDAY NIGHT:

WEATHER: Cold and Moist... some residual showers possible.  
 MIN TEMPERATURES: 45 to 50.  
 MAX HUMIDITY: Near 100%.

### WINDS (EYE LEVEL):

RIDGETOP - South 6 to 10 mph... Gusts to 20 mph.

### VALLEY -

Southwest or Upslope/Up Canyon 6 to 9... gusts to 15 mph until 1900 then becoming south 2 to 4 mph.

OUTLOOK FOR WEDNESDAY NIGHT: Partly Cloudy... early morning slope and drainage clouds.  
 Temps: 42 to 48 . RH: Above 90%. Wind: Southwest 4 to 6 mph... 6 to 10 mph above 3500 ft.

EXTENDED FORECAST FOR THURSDAY THROUGH SATURDAY: A return to normal conditions on Thursday and Friday... slightly warmer than normal on Saturday. Southwest or upslope daytime winds 6 to 10 mph. Nighttime downslope light wind. Min Temps... 50-60. Max RH 40 to 50%.

### Observations from Last Night (Sunday Night):

	<u>Min T</u>	<u>Max RH</u>	<u>Wind Dir.</u>	<u>Wind Speed / Gust</u>
Big Bar RAWs (1500 ft) :	52	62%	Calm	Calm / none

## FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 08	TYPE OF FIRE: Wildfire
FIRE NAME: FLAT Fire	OPERATIONAL PERIOD: 07/16-17/12 1800-0800
DATE ISSUED: 7/16/12	TIME ISSUED: 1000
UNIT: Shasta-Trinity NF, Big Bar RD	SIGNED: Jessica Wade (FBAN), John Wood (FBAN-t)

### WEATHER SUMMARY

~See Attached Weather Forecast ~

Temp: Around 45-50

Min RH: 35% to 45% until 2000, then rising to near 100% by midnight.

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

### FIRE BEHAVIOR

#### GENERAL:

- Light timber litter:
  - Before Dark - Head fire spread rates 5-7 ch/hr with approx. 3 ft flame lengths.
  - After midnight – Expect to see minimal fire spread as RH's climb and a decrease in fire behavior.
- Backing/Flanking rates of spread – approaching 1 chain/hr with 1' 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 before midnight with clear skies is 11%

>> Probability of ignition for tonight is 25%.

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

#### SPECIFIC Fire Behavior:

**Division A and B** – Repair work has begun in these Divisions. A chance for significant fire behavior in these Divisions is not expected. There is still the possibility for any unburned fuel inside the line to consume which may lead to small brief flare ups.

**Division Structure** – Ignition operations are expected to reach the Division break today. While burn operations are occurring and during the consumptions of the fuel spotting could happen. Swirling winds near the confluence of Pelletreau Creek and the Trinity River could make expected spotting locations difficult to predict. Completion of firing operations before the cooler wetter weather arrives may make a brief window where rates of spread and flame lengths are greater than what is forecast in the general Fire Behavior Forecast.

**Division Z** – The higher RH this evening will moderate fire behavior in this division. Wind directions are not as set as they have been the last few days. This period of unpredictability extended through the burning window into the evening. Even with the change of weather coming consider spotting that may have happened during the burn down of fuels. Because of swirling winds at the confluence at Pelletreau Creek and the Trinity River there is potential for spotting. Watch for falling snags and rolling material following the burnout, which could spot over the line.

### AIR OPERATIONS

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

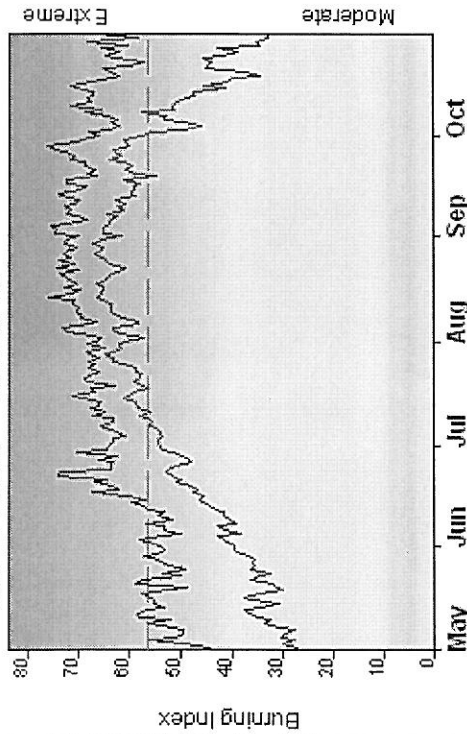
### SAFETY

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.

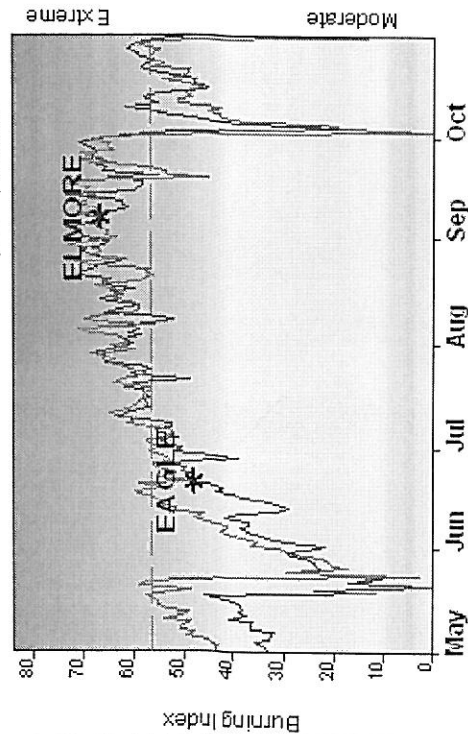


### FIRE DANGER -- Shasta-Trinity National Forest

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



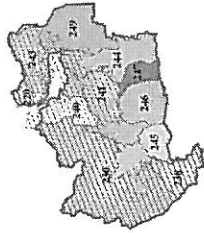
### Years to Remember: 2006 2008



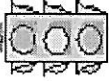
Fuel Model: G - Short-Needle (Heavy Dead)

### Fire Danger Area:

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

### 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.

R-400S stations used: Mt. Shasta, Round Mtn, Ash Creek, Big Bar, Hayfork, Yolla Bolla, Friend Mtn, Sugarloaf, Partymocus.

Responsible Agency: Shasta-Trinity National Forest

Design by NWCG Fire Danger Working Team

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name <b>FLAT</b>		CA-SHF-002290		Date/Time Prepared 07/16/12 1000		Operational Period Date/Time NIGHT SHIFT 07/16-17/12	
Only frequencies listed on this 205 are authorized for use on this incident.									
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 ON EAGLE ROCK RD
2	CMD 2	CMD 2	COMMAND ACCESS FR ICP	169.5375N		164.71250N	110.9	A	NIFC C-8 ON WEAVER BALLY
5	CONTINGENCY TAC	NIFC T-5	UNASSIGNED	166.7250N		166.7250N		A	IF NEEDED ASSIGNED BY OPS
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	NIGHT ENGINES	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	SHOULD INCIDENT CMD FAIL
12	SHF LOCAL IA	NIFC T-2	IA OUTSIDE FLAT INCIDENT	168.2000N		168.2000N		A	ZONE 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	166.8750N		166.8750N		A	ASSIGNED BY SHF DISP UPON IA
16	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

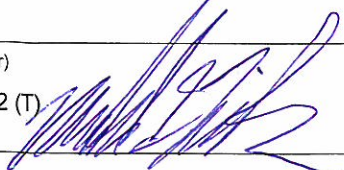
Prepared by *Phil Shafer*  
 Rick Cartoscelli/Phil Shafer, COML NorCal IMT 1

Incident Location

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



<b>MEDICAL PLAN</b>	1. Incident Name	2. Date Prepared	3. Time Prepared	4. Operational Period			
	Flat Fire	June 16, 2012	1030	July 16, 2012 1800-0800			
<b>5. Incident Medical Aid Station</b>							
Medical Aid Stations		Location	Phone	Paramedics		Yes	No
Front Line Medical		Junction City Park area	530-941-5590	X			
<b>6(A). AIR Transportation</b>							
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
<b>6(B). Ground Ambulances</b>							
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			
<b>7. Hospitals</b>							
Name		Address	Travel Time	Phone	Helipad	Burn Center	
			Air		Yes	Yes	No
			Ground		No	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	
<b>8. Medical Emergency Procedures</b>							
<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) Clayton Thomas MEDL Ph: 530-906-6964				10. Reviewed by (Safety Officer) Mike Frederick SOF 2 (T)			



# 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
<b>Mechanism</b>	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
<b>Area Injured</b>	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
<b>Symptoms</b>	Disoriented Chest Pain or 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	Hazard Trees	Identify, Flag, Communicate to adjoining forces. Do Not work in the area and limit exposure when absolutely necessary to be in the area
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	Poison Oak	Identify and Avoid Contact when Possible Seek Early Treatment in Medical Unit Launder Clothing to Avoid Repeat Reaction
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 crew person
B, Z	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 bitten, allergic 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.
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 16, 2012 @ 0800 Prepared By: M.S. Frederick, SOF2(t)  
Operational Period: July 16, 2012 from 1800-0800

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





Today's discussion is from the  
Miscellaneous Category.

## HAZARD MITIGATION THROUGH RISK MANAGEMENT

"Risk management doesn't get in the way of doing the mission – it is the way we do the mission." The Risk Management Process assists in ensuring that critical factors and risks of the fireline work environment are considered during decision making. Good risk management utilizes a five-step process:

### ☛ Step 1—Situational Awareness:

- Obtain information.
- Scout the fire.
- Identify hazards—those likely to result in a negative impact.
- Consider all aspects of current and future situations.
- Consider known historical problem areas (Apply information from the Fire Danger Pocket Card.).
- Recognize the need for action.
- Demonstrate ongoing awareness of fire assignment status.
- Note deviations.
- Attempt to determine why discrepancies exist with information before proceeding.

### ☛ Step 2—Hazard Assessment:

- Assess hazards to determine risks (e.g., fire behavior, snags, unburned fuels, work/rest).
- Use the Look Up, Down, and Around; and the Tactical Watch Outs (both located in the Incident Response Pocket Guide) to identify high-risk tactical hazards.
- Assess the impact of each hazard in terms of potential loss, cost, and mission/operational degradation based on probability and severity (probability—how likely an event will occur; severity—consequences if the event occurs). Keep in mind that increased exposure time increases probability.

### ☛ Step 3—Hazard Control:

- Determine the best approach to mitigate or control the risk from the hazards assessed.
- Establish controls (e.g., anchor point, LCES, utilize downhill checklist, limit exposure time).
- As control measures are developed, reevaluate each risk until it is reduced to a level where benefits outweigh potential costs.

## TRAINING SPECIALIST MESSAGE

### BEAT THE RUSH !

If as much work as possible has been completed in the position task book and you know your demob date, Trainees may close their assignment with the TNSP prior to the demob process.

*Bring the following to the exit interview*

- *A completed and signed Performance Evaluation*
- *A completed Exit Interview Form*
- *Your Task Book, filled in by your trainer*
- *Your Trainer*

Forms are available at the Training Unit

*Julie Buel*  
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 (4-6 inches) wide and 12-24 inches high for handlines.*

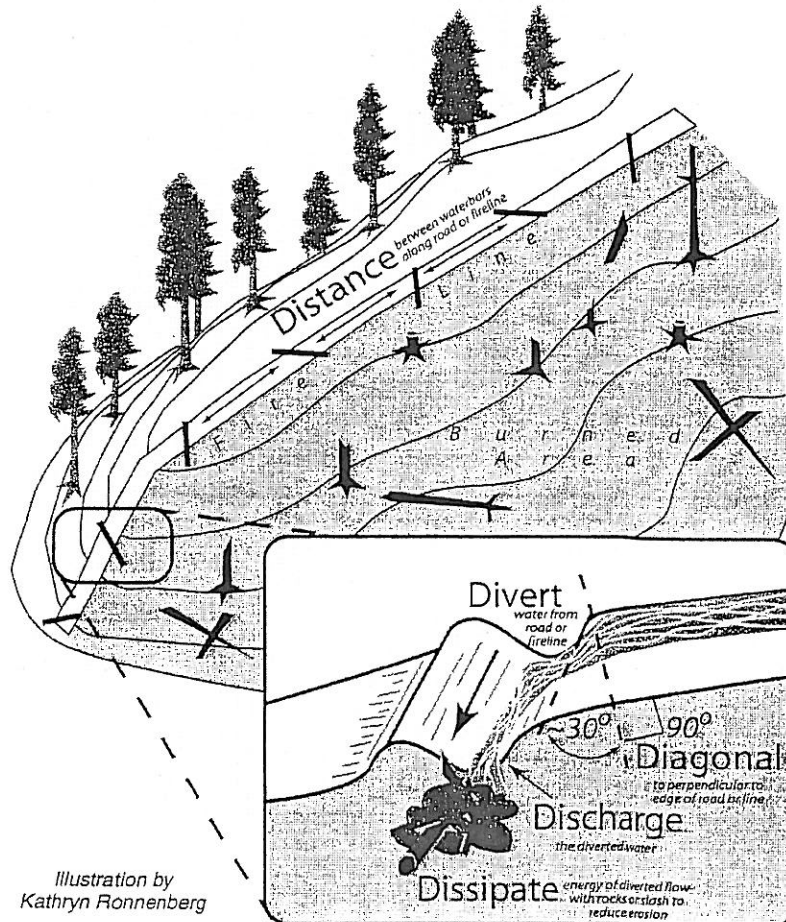
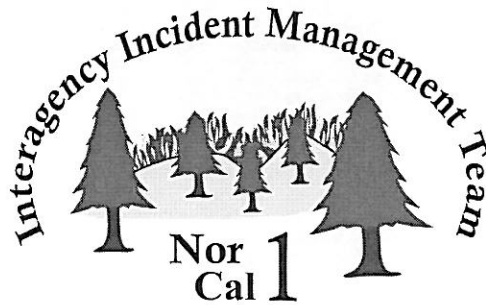


Illustration by  
Kathryn Ronnenberg

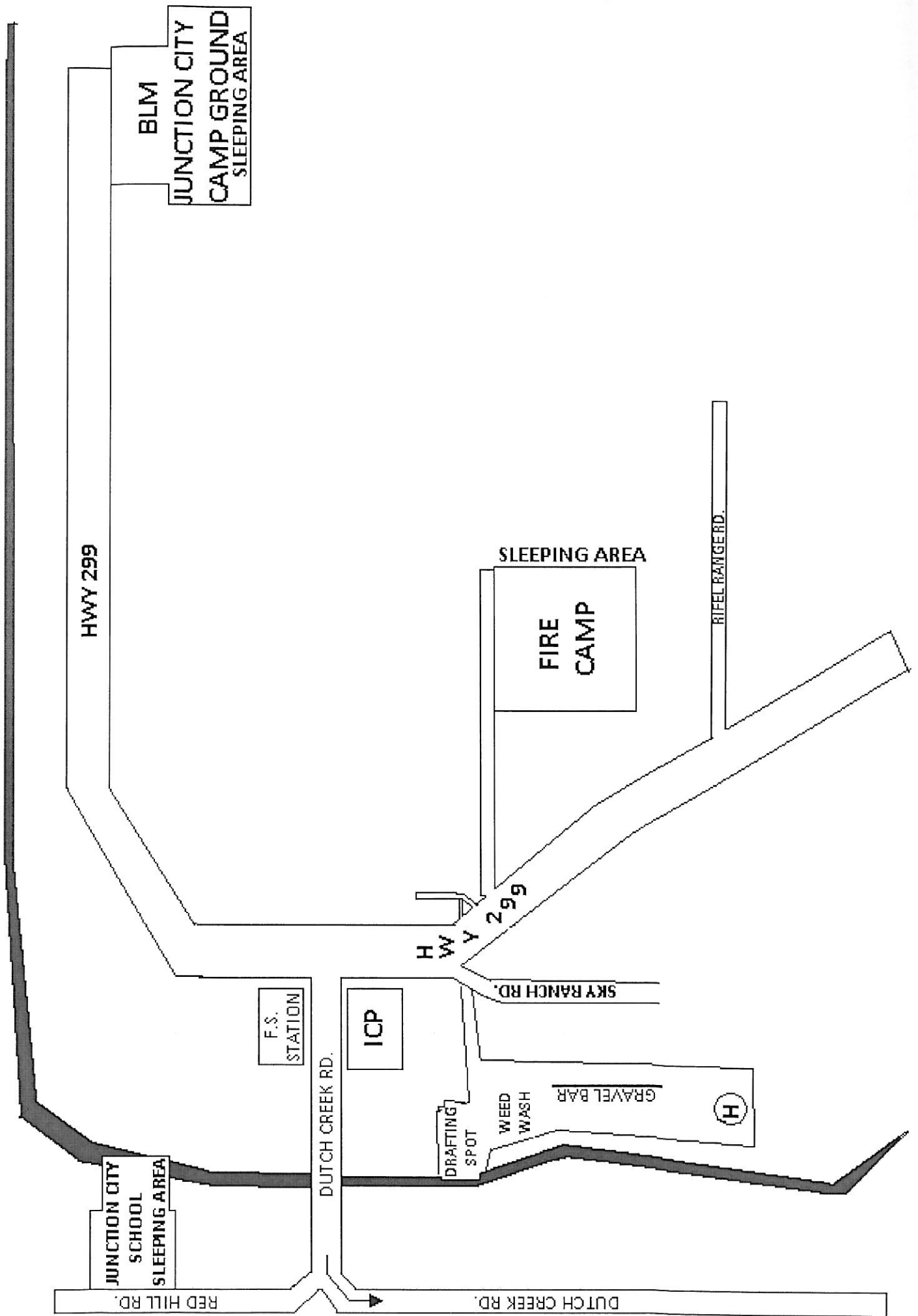




# SOCIAL MEDIA

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



HWY 299

BLM

JUNCTION CITY  
CAMP GROUND  
SLEEPING AREA

SLEEPING AREA

FIRE  
CAMP

RIFEL RANGER RD.

HWY 299

SKY RANCH RD.

F.S.  
STATION

ICP

JUNCTION CITY  
SCHOOL  
SLEEPING AREA

DUTCH CREEK RD.

DRAFTING  
SPOT

WEED  
WASH

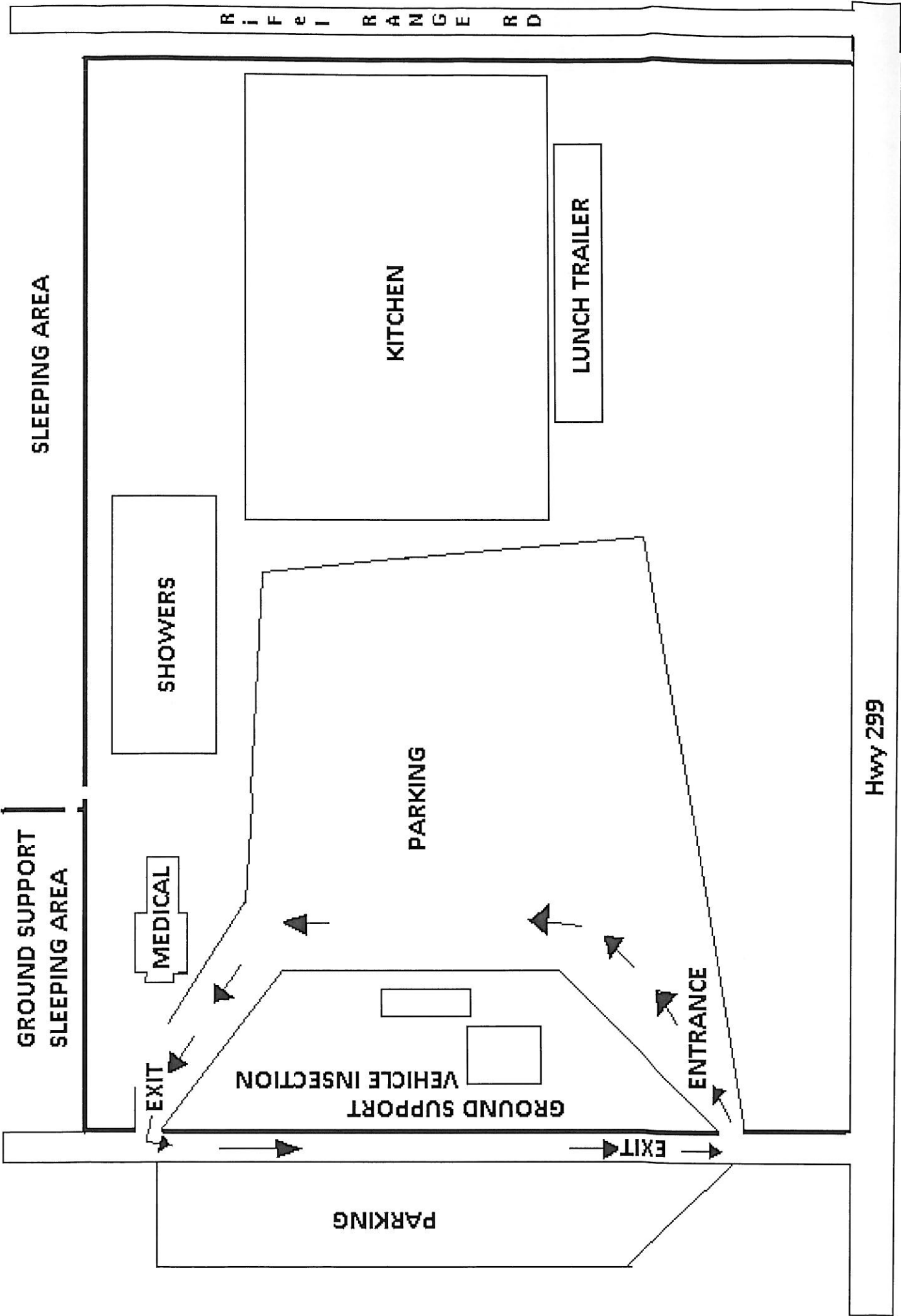
GRAVEL BAR

H

RED HILL RD.

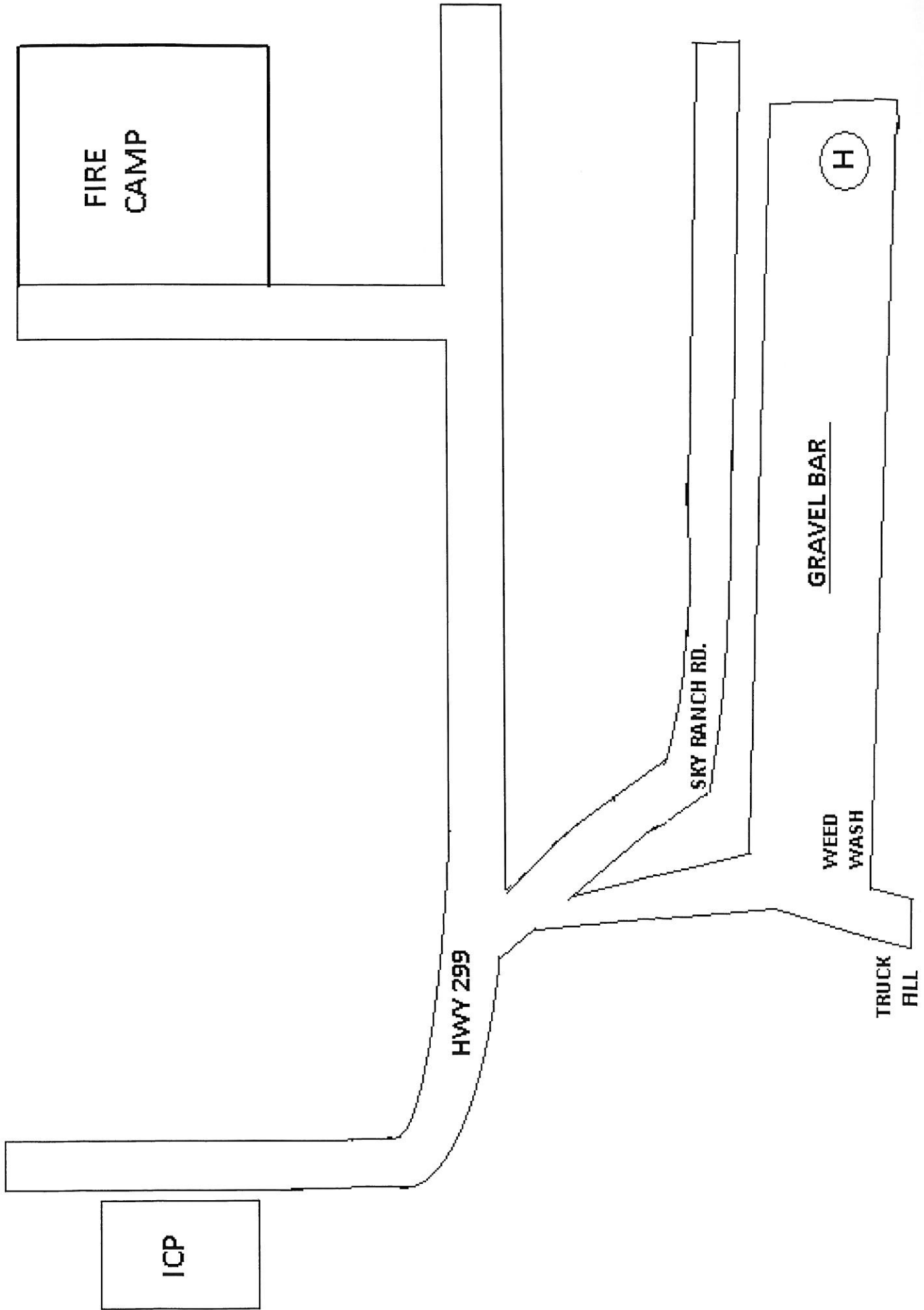
DUTCH CREEK RD.

R I F F E I R A N G E R D



Hwy 299





FIRE  
CAMP

ICP

HWY 299

SKY RANCH RD.

WEED  
WASH

GRAVEL BAR

H

TRUCK  
FILL

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