

Incident Action Plan

Marble Fire

CA-SRF-000703

P5K7AX17 (0510)

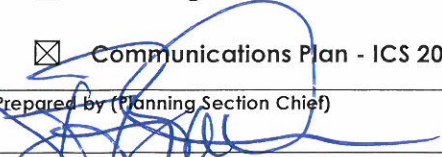
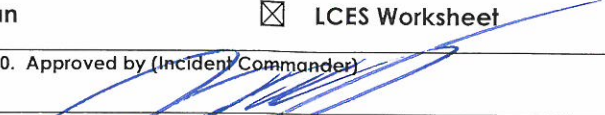



DAY SHIFT

07/21/17

0600 - 1800

FRIDAY

INCIDENT OBJECTIVES	1. Incident Name Marble Fire	2. Date 7/20/2017	3. Time 21:55
4. Operational Period 07/21/17 0600-1800			
5. General Control Objectives for the Incident (include alternatives) MANAGEMENT OBJECTIVES <ul style="list-style-type: none"> • Ensure that strategies and tactics provide for firefighter and public safety through the application of sound risk management principles. • Ensure that all suppression actions are commensurate with the values at risk. • Minimize undesirable suppression impacts by employing only tactics that have the highest probability of success while minimizing firefighter exposure. • Establish and strengthen cooperator, partner, and stakeholder relationships. OPERATIONAL OBJECTIVES Keep the fire: <ul style="list-style-type: none"> • North of Irving Creek. • South of Sandy Bar Creek. • East of Hwy 96. • West of Irving Mountain. 			
6. Weather Forecast for Period See attached forecast			
7. General Safety Message See attached safety message			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> Weather	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Safety Message	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> LCES Worksheet	
9. Prepared by (Planning Section Chief) 	10. Approved by (Incident Commander) 		

ORGANIZATION ASSIGNMENT LIST		9. Operations Section	
1. Incident Name Marble Fire		Day Ops Chief	Eric Petterson
		Night Ops Chief	Scott Lucas
2. Date 7/20/2017	3. Time 22:47	Planning Ops	Dan George / Heather McRae (t)
4. Operational Period 7/21/2017 0600 - 1800		a. Branch I – Division/Groups	
Position		Branch	
		Division/Group	A Tom Browning / Terry Lim (t)
5. Incident Commander and Command Staff		Division/Group	M Shepley Schroth-Cary / Jason Powers (t)
		Division/Group	Z Steve Raymer
Incident Commander	Rick Young	Division/Group	CONTINGENCY Mario Gomez
Deputy IC	Daren Dalrymple	Division/Group	
Liaison	Tim Fike / Kip Morrill (t)	Division/Group	
Safety Officer	Steve Davis / Terry O'Connell / Frank Pingiczer		
Information Officer	Adrienne Freeman	b. Branch II – Division/Groups	
6. Agency Representative		Branch	
		Division/Group	
Agency	Name	Division/Group	
SRF Agency Admin	Nolan Colegrove / Michael Green (t)	Division/Group	
		Division/Group	
Designated Tribal Rep.	Earl Crosby	Division/Group	
Resource Advisor	Jennifer Dyer	Division/Group	
Cultural Heritage Consultant		c. Branch III – Division/Groups	
		Branch	
		Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
		Division/Group	
7. Planning Section		d. Air Operations Branch	
Chief	Jeff Buscher	Air Operations Branch Director	Dennis Kuster
Deputy		Air Support Group Supervisor	Staci Dickson
Resources Unit	Duane Miller	Air Tactical Group Supervisor	
Situation Unit	Matt Brown / Ryan Wakefield (t)	Helitack Base Manager	
Documentation Unit			
Demobilization Unit	Roberta Lim		
Fire Behavior Unit	Ken Larson		
8. Logistics Section		10. Finance Section	
Incident Meteorologist		Chief	Beth Lopez
CTSP		Personnel Time Unit	Penny Portlock
Training Specialist		Equipment Time Unit	Juanita Cortez
GISS	Melanie Rossi	Cost Unit	
HRSP		Compensation / Claim Unit	
Status Check-In		IBA	
Chief	Jack Costello	Prepared By Duane Miller - RESL 	
Deputy	Mike Heckendorn		
Supply Unit	Mark Allen / Mani Boslaugh		
Facilities Unit	Ric Crowthers		
Ground Support Unit	John Fell / Merle Drucker		
Communications Unit	Don Stoner		
Medical Unit	Patrick Young		
Food Unit	Kevin Browning		

**Spot Forecast for Marble...USFS National Weather Service Eureka CA 1012 PM
PDT Thu Jul 20 2017**

Forecast is based on request time of 2300 PDT on July 20. If conditions become unrepresentative...contact the National Weather Service.

DISCUSSION...Gusty south-southwest and upslope winds will decrease overnight tonight, becoming light and down-valley by early tomorrow morning. RH recoveries are once again expected to be good. Expect another warm and somewhat gusty day again tomorrow, with a return of south and southwesterly up-valley breezes. Wind gusts are expected to be slightly lower than they were today, and more westerly along the ridges.

Overnight tomorrow offshore winds are expected to develop, which will result in gusty northeast winds and moderate to poor recoveries at high elevations, likely in exposed areas above 2500 feet. Winds near the valley floor are expected to be mostly light and northerly/down-valley with good RH recoveries.

Chances for thunderstorms, some potentially dry, increase Sunday afternoon and evening.

REST OF TONIGHT...

Sky/weather.....Mostly clear.

CWR.....0 percent.

LAL.....1.

Min temperature.....52 to 55. Max humidity.....90 to 97 percent. Wind (20 ft).....SSW and gusty in the evening...6 to 9 MPH with gusts to 15 mph. Becoming down-valley 2 to 6 mph after midnight.

Mixing height.....Falling to 1000-1500 ft AGL by sunrise. Transport winds.....Southwest 10 mph and falling.

FRIDAY...

Sky/weather.....Sunny. CWR.....0 percent. LAL.....1. Max temperature.....Around 89 to 92. Min humidity.....20 to 25 percent. Wind (20 ft).....Light/down-valley in the morning...becoming SSW/upvalley 5 to 9 mph with gusts to 15 by mid afternoon. Mixing height.....1000 ft AGL increasing to 5000 ft AGL late in the afternoon. Transport winds.....Southwest 8 mph.

FRIDAY NIGHT...

Sky/weather.....Clear. CWR.....0 percent. LAL.....1. Min temperature.....55 to 58. Max humidity.....75 to 85 percent valley floor 45 to 75 percent mid slopes 30 to 45 percent upper slopes (above 2500 feet). Wind (20 ft).....Valley floor: Becoming north/downvalley 3 to 7 mph. Ridges: NE winds 10 to 15 mph with gusts to 20 mph. Mixing height.....5000 ft AGL decreasing to 500 ft AGL by sunrise. Transport winds.....Northeast 12 mph.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 001

FIRE NAME: Marble

DATE ISSUED: 7-20-17

UNIT: CA-SRF

TYPE OF FIRE: Wildfire Full Suppression

OPERATIONAL PERIOD: 7-21-17 Day Shift

TIME ISSUED: 2200

SIGNED: Matt Brown

Typed/printed: Matt Brown LTAN(t)

INPUTS

WEATHER SUMMARY:

High Temperatures of 89-92. Winds Light and down valley in the morning becoming SSW upvalley 5 to 9 mph with gusts up to 15 by mid afternoon
Minimum humidity of 20-25%

Light offshore winds are expected to develop overnight with poor RH recovery for elevations above 2500 ft.

OUTPUTS

FIRE BEHAVIOR

GENERAL:

The fire is burning in an area with little to no recorded recent fire history. The dead fuel inventory is substantial. The fires spread is primarily due to terrain winds, abundant dead fuels, and slightly below average 1000 hr fuel moisture. Dead fuels continue to support combustion and contribute to short range spotting. With the exception of some Oak species, most live fuel moistures are above average although trending toward average.

SPECIFIC:

NNE portions of the fire will be tested by prevailing winds and dry dead fuels. Expect adverse conditions to intensify as the RH recovery dries out and the smaller sized fuel becomes available.

Lower elevations and more western sides of the fire will experience favorable winds.

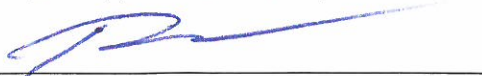
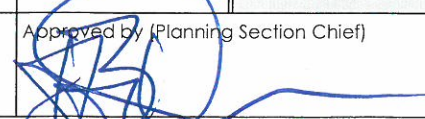
Overnight light offshore winds are expected to develop. These will usually surface at night and combine with the normal downslope winds. Containment will be tested in DIV A/Z if these winds develop overnight.

AIR OPERATIONS:

Smoke may linger in valleys obscuring air operation opportunities early in the burning period. After 1200 visibility will improve. Smoke dispersion will be to the NNE with transport winds reaching 8 mph. Mixing height will vary throughout the day establishing at 1000 ft in the morning and increasing to 5000 feet in the afternoon.

SAFETY

The RH recovery will slow the fire spread early in the operational period. As the sun breaks the inversion and dries out the smaller size class fuels the fire will react especially in the drainages aligned with the prevailing and terrain driven winds. Take time to reevaluate your position when working in areas that channel the forecasted wind. Establish LCES and expect a change to impact those areas.

DIVISION ASSIGNMENT LIST			1. Branch		2. Division/Group A						
3. Incident Name Marble Fire			4. Operational Period DAY OPERATIONS Date: 07/21/17 Time: 0600-1800								
5. Operations Personnel											
Operations Chief		Eric Petterson		Division/Group Supervisor		Tom Browning / Terry Lim (t)					
Branch Director				Air Operations Branch Director		Dennis Kuster					
6. Resources Assigned this Period											
Strike Team/Task Force/ Resource Designator		Leader		Last Shift	Number Persons	Trans. Needed	Drop Off PT./Time	Pick Up PT./Time			
HC1 Truckee C-4					20	N	DP 5 / 0700	1800			
ENG3 ST4660 E-7					27	N	DP 5 / 0700	1800			
DOZ2 SRF					2	N	DP 5 / 0700	1800			
DOZ2 w/LOWB Mobley E-16		Andrew Boyd			1	N	DP 5 / 0700	1800			
WT2 TT Construction E-9		Burt King		8/4	1	N	DP 5 / 0700	1800			
WT2 TT Construction E-10		Chris Wilson		8/4	1	N	DP 5 / 0700	1800			
HEQB O-86		Bruce Robison			1	N	DP 5 / 0700	1800			
SOFR					1	N	DP 5 / 0700	1800			
7. Control Operations											
<ul style="list-style-type: none"> Continue direct / indirect line construction to Division A/M break. Patrol and mop-up completed line. Prep structures. 											
8. Special Instructions											
9. Division/Group Communication Summary											
Function		Frequency		System	Channel	Function		Frequency	System	Channel	
Command		RX 172.3750 TX 164.1750		Forest RPT	1 Tone 7	Air to Ground Command		RX 169.1500 TX 169.1500	A/G CMD	8	
Tactical Division/Group		RX 168.0500 TX 168.0500		NIFC T1	3	Air to Ground Tac		RX 166.6750 TX 166.6750	A/G TAC	9	
Prepared by (Resource Unit Leader)				Approved by (Planning Section Chief)				Date		Time	
								7/20/2017		22:48	

AIR OPERATIONS SUMMARY

Prepared By: Dennis Kuster

Prepared Date: 7/21/2017

Prepared Time: 20:00

1. INCIDENT NAME: Marble	2. OPS PERIOD DATE: 7/21/2017	START TIME: 0800	END TIME: 2100	SUNRISE: 0558	SUNSET: 2037
3. REMARKS (Safety Notes, Hazards, Air Operations, Special Equipment, etc.): Watch for wires in river canyon. Beware of rapidly changing VFR conditions due to smoke No fly zone near Sugarloaf. 41 38.695, 123 49.637. 5 Miles					
			4. READY ALERT AIRCRAFT MEDEVAC I.A. --		
			5. TFR #: 7/3892		

6. PERSONNEL		NAME	PHONE #	7. FREQUENCIES		AM	FM	8. FIXED-WING- Type/ Make-Model/ N#/ Base	
AOBD		Dennis Kuster	209 352-0855	AIR/ AIR FW			167.950	AIRTANKERS -	Ordered by ATGS
ASGS		Staci Dickson	530-277-5153	AIR/ AIR RW		118.025		LEAD PLANES-	Ordered by ATGS
ATGS				AIR/ AIR RW- TFR				05	
ASGS				A/G Command			169.150		
				A/G Tactical			166.6750		
HEB2				COMMAND	rx	See comm	Plan	SRF ECC Aircraft Dispatcher	707-726-1266
HEB2				DECK	tx			OTHER FW AIRCRAFT-	
Happy Camp		Helibase	530-493-1779	TOLC			163.100		
Air Ops Desk				AERIAL FIRING					

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS	FAA N#	T	MAKE/ MODEL	BASE	AVAIL	START	REMARKS
502	Y							Y					
506	2				0900								
4TH	1	Kamax		0900									
1KA	1	Kamax											

10. TASK/ MISSION/ ASSIGNMENT (Type/ function includes: Air Tactical, Retardant, Recon, Personnel Transport, Bucket Operations, SAR, etc.)		MISSION START	FLY FROM	FLY TO
Water Dropping	NAME OF PERSONNEL OR CARGO (If applicable) or instructions for tactical aircraft	As Needed		
Recon				

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS / WARNINGS / REMEDIES	
ALL	DANGER TREES	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines, IRPG pages 22. Post lookouts, or use a spotter in mop-up areas with personnel. Don't park vehicles or take breaks in high concentrations of hazard trees. Establish trigger points for disengagement during high wind events". 	
ALL	TRAFFIC & DRIVING	<ul style="list-style-type: none"> Practice "Defensive Driving" techniques. Use spotters when backing. Always use headlights. Use warning lights when working on roads or traveling in smoke.. Many roads are narrow and mid slope, use caution. Some roads are dead end with poor turn around, scout roads first. Keep speeds down on Hwy 96, road is rough in spots. 	
ALL	SPOT FIRES	<ul style="list-style-type: none"> Size up prior to engagement. Watch for multiple spots. Ensure LCES is in place. Maintain Situational Awareness at all times. 	
ALL	STRUCTURE PROTECTION	<ul style="list-style-type: none"> Ensure LCES is in place Review Structure Protection; IRPG pages 12-16 Do not commit to stay on a structure unless the area around the structure represents an adequate safety zone Set trigger points to disengage and allow adequate time to relocate to primary and secondary safety zones Look for propane tanks and other hazardous materials Some occupants may not evacuate when advised. 	
ALL	FIRING OPERATIONS	<ul style="list-style-type: none"> Maintain situational awareness. Watch for open areas and sign of improvements or irrigation systems. Be aware of evidence that cultivation has occurred in the area. If you stumble upon an area with probable cultivation be extremely cautious, exit on the same route you arrived and notify supervisor immediately. 	
ALL	STEEP TERRAIN & ROLLING DEBRIS	<ul style="list-style-type: none"> Maintain 8'-10' spacing when working & walking. Don't work above any personnel. Evaluate necessity to send personnel in areas with limited access. 	
ALL	ENVIRONMENTAL HAZARDS	<ul style="list-style-type: none"> Keep alert for wildlife, rattlesnakes, insects, and plants. Watch footing and hand placement around rocks. Personal hygiene is #1 when it comes to Poison Oak Prevention. 	
ALL	AIR OPERATIONS	<ul style="list-style-type: none"> Follow " Aviation Watch-Out Situations" on page 44, IRPG. Don't plan on air resources for medical transport or resupply. Refer to page 57, IRPG for directing bucket drops. Ensure positive communication with all air resources. 	
ALL	HEAT RELATED ILLNESS (HRI) & DEHYDRATION	<ul style="list-style-type: none"> Drink 2 to 1 water to sports drinks. Take frequent breaks, minimum of 10 minutes every hour. Recognize symptoms of HEAT RELATED ILLNESS which include; Lack of energy, Headaches, dizziness, lack of rest, no hunger, poor eating habits, hot skin, and lack of sweating 	
ALL	HEAVY EQUIPMENT OPERATIONS	<ul style="list-style-type: none"> Ensure communications are established with operators. Use hand signals if other communications are unavailable. Maintain a 50'-100' exclusion area around equipment. Use a spotter when backing. 	
INCIDENT NAME <p style="text-align: center;">MARBLE</p> ICS 215a		DATE PREPARED: <p style="text-align: center;">July 20, 2017</p> TIME PREPARED: 1800 HOURS	OPERATIONAL PERIOD Day Shift 07/21/17 0600-1800 Prepared by: T. OConnell, Steve Davis Frank Pingiczer

Lookouts
Communications
Escape Routes
Safety Zones

Marble Incident

Operation Period: 07/21/2017 Day Shift

SAFETY MESSAGE

FIRST DAY ON THE FIRE, WHAT YOU NEED TO KNOW!

- Who is your supervisor and what is the plan.
- Brief your personnel on all of the important information in the IAP.
- Gather Situation Awareness in your area of work.
- Get oriented to roads, landmarks, compass direction and the map.
- Ensure you have effective communications, proper frequencies.
- Ensure the tactical, safety and communication plans are known.

MAJOR HAZARDS AND RISKS

STEEP TERRAIN FATIGUE SPOT FIRES	ROLLING MATERIAL DEHYDRATION BUCKET DROPS	HEAVY EQUIPMENT HAZARD TREES POISON OAK
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Be sure all elements of your safety plan are in place prior to engagement

Hazard Tree Safety

Inspect area for hazard trees before starting work. Are there trees that have been falling, leaning, hung up, or have broken tops? Are there high risk species? How long has the fire been burning in the area?

Identify hazards and fell or avoid the hazard and flag.

Take down hazard trees only with qualified sawyers and then only if necessary.

Decision Points

Establish Decision Point(s) when potential exists for your fire situation to degrade.

Insure that your situation awareness includes monitoring factors that relate to the Decision Point(s) you set.

Have a planned response in place.

Do not ignore a Decision Point that has been hit!

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name			Date/Time Prepared			Operational Period Date/Time		
COMMUNICATIONS PLAN		MARBLE CA-SRF-000703			07/20/2017, 2000			07/21/2017, 0600-1900		
Zn / Ch	Function	Channel Name/Trunked Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	TX Tone/NAC	Mode A, D, M	Remarks	
1	Command	FOREST RPT	All Divisions	172.3750	0.0	164.1750	0.0	A	T7 UKONOM, T5 ORLEANS	
2	Tactical				0.0		0.0	A		
3	Tactical	NIFC T1	DIV A	168.0500	0.0	168.0500	0.0	A		
4	Tactical	NIFC T2		168.2000	0.0	168.2000	0.0	A		
5	Tactical	NIFC T3	DIV M	168.6000	0.0	168.6000	0.0	A		
6	Tactical	NIFC T5	DIV Z	166.7250	0.0	166.7250	0.0	A		
7	Tactical	NIFC T6	CONT	166.7750	0.0	166.7750	0.0	A		
8	A/G	A/G CMD	All Divisions	169.1500	0.0	169.1500	0.0	A		
9	A/G	A/G TAC	All Divisions	166.6750	0.0	166.6750	0.0	A		
10	CH 10			0.0000	0	0.0000	0	A		
11	CH 11			0.0000	0.0	0.0000	0.0	A		
12	CH 12			0.0000	0.0	0.0000	0.0	A		
13	CH 13			0.0000	0.0	0.0000	0.0	A		
14	CH 14			0.0000	0.0	0.0000	0.0	A		
15	Tactical	CALCORD	Medical	156.0750	156.7	156.0750	156.7	A	Medical Evac - Tone 6	
16	Emergency only	GUARD	All Divisions	168.6250	0.0	168.6250	110.9	A	AIR GUARD - emerg. use only-Tone 1	
17										
18										
19										
20	Emergency only	GUARD	All Divisions	168.6250	0.0	168.6250	110.9	A	AIR GUARD - emerg. use only -Tone 1	
Prepared By (Communications Unit Leader)		Incident Location			Latitude, Longitude			ORLEANS		
Don Stoner, COML Norcal II		County						1/14/14 v.5		
Deviation is assumed to be narrow band unless otherwise noted in the remarks. Mode refers to either "A" (analog), "D" (digital) or "M" (mixed mode).										

FOR ALL MEDICAL EMERGENCIES: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE "MEDICAL EMERGENCY" TO INITIATE RESPONSE FROM IMT COMMUNICATIONS/DISPATCH.

Use items one through nine to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS/DISPATCH

Ex: "Communications, Div. Alpha. Stand-by for Priority Medical Incident Report." (If life threatening request designated frequency be cleared for emergency traffic.)

2. INCIDENT STATUS: Provide incident summary and command structure.

Nature of Injury/Illness		Describe the injury (Ex: Broken leg with bleeding)
Incident Name		Geographic Name + "Medical" (Ex: Trout Meadow Medical)
Incident Commander		Name of IC
Patient Care		Name of Care Provider (Ex: EMT Smith)

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient. This is only a brief, initial assessment. Provide additional patient info after completing this 9 Line Report.

Number of Patients:	Male / Female	Age:	Weight:
Conscious? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Breathing? <input type="checkbox"/> YES <input type="checkbox"/> NO = MEDEVAC!			
Mechanism of Injury: What caused the injury?			
Lat/Long (Datum WGS84) Ex: N 40° 42.45' x W 123° 03.24'			

4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> URGENT-RED Life threatening injury or illness. Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° burns more than 4 palm sizes, heat stroke, disoriented.	Ambulance or MEDEVAC helicopter. Evacuation need is IMMEDIATE.
<input type="checkbox"/> PRIORITY-YELLOW Serious Injury or illness. Ex: Significant trauma, not able to walk, 2° – 3° burns not more than 1-2 palm sizes.	Ambulance or consider air transport if at remote location. Evacuation may be DELAYED.
<input type="checkbox"/> ROUTINE-GREEN Not a life threatening injury or illness. Ex: Sprains, strains, minor heat-related illness.	Non-Emergency. Evacuation considered Routine of Convenience.

5. TRANSPORT PLAN:

Air Transport: (Agency Aircraft Preferred)

<input type="checkbox"/> Helispot	<input type="checkbox"/> Short-haul/Hoist	<input type="checkbox"/> Life Flight	<input type="checkbox"/> Other
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Ground Transport:

<input type="checkbox"/> Self-Extract	<input type="checkbox"/> Carry-Out	<input type="checkbox"/> Ambulance	<input type="checkbox"/> Other
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6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:

<input type="checkbox"/> Paramedic/EMT(s)	<input type="checkbox"/> Crew(s)	<input type="checkbox"/> SKED/Backboard/C-Collar
<input type="checkbox"/> Burn Sheet(s)	<input type="checkbox"/> Oxygen	<input type="checkbox"/> Trauma Bag
<input type="checkbox"/> Medication(s)	<input type="checkbox"/> IV/Fluid(s)	<input type="checkbox"/> Cardiac Monitor/AED
<input type="checkbox"/> Other (i.e. splints, rope rescue, wheeled litter)		

8. EVACUATION LOCATION:

Lat/Long (Datum WGS84) EX: N 40 42.45' x W 123 03.24'	
Patient's ETA to Evacuation Location:	
Helispot/Extraction Size and Hazards:	

9. CONTINGENCY: