

LAVA FIRE



IAP

NIGHT IAP



CA-SHF-000949

P5N3XW (0514)

JUNE 29, 2021

NIGHT SHIFT

1800 - 0600


MAPS



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:		2. Operational Period: NIGHT	
LAVA		Date/Time From: 06/29/2021 1800 TUE	Date/Time To: 06/30/2021 0600 WED
3. Objective(s):			
<p>Management Objectives</p> <ol style="list-style-type: none"> 1. Ensure firefighter and public safety by using strategies and tactics that mitigate known and anticipated hazards while providing for highest probability of success. 2. Maintain and enhance relationships with represented agencies, local landowners, and the general public. 3. Provide timely and accurate fire information to cooperators and affected communities. 4. Protect and understand the natural resources in the fire area to create risk-based decisions while utilizing M.I.S.T. in the Mt. Shasta Wilderness Area. 5. Effectively manage cost by implementing strategies and tactics that have a high probability of success. <p>Control Objectives</p> <p>Keep fire:</p> <ul style="list-style-type: none"> · East of Union Pacific Railroad tracks · North of Diller Canyon · South of Deer Mt Road · West of the North Gate Trailhead 			
4. Operational Period Command Emphasis:			
General Situational Awareness:			
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Approved Site Safety Plan(s) Located			
6. Incident Action Plan (the items checked below are included in this Incident Action Plan):			
<input checked="" type="checkbox"/> ICS 202 <input checked="" type="checkbox"/> ICS 203 <input checked="" type="checkbox"/> ICS 204 <input checked="" type="checkbox"/> ICS 205 <input type="checkbox"/> ICS 205A <input checked="" type="checkbox"/> ICS 206	<input type="checkbox"/> ICS 207 <input type="checkbox"/> ICS 208 <input checked="" type="checkbox"/> ICS 220 <input checked="" type="checkbox"/> Map/Chart <input checked="" type="checkbox"/> Weather Forecast/Tides/Currents	Other Attachments: <input checked="" type="checkbox"/> SAFETY MESSAGE <input checked="" type="checkbox"/> 215A <input checked="" type="checkbox"/> HR MESSAGE <input checked="" type="checkbox"/> MIST	
7. Prepared by: ARTIE COLSON		Position/Title: PSC2	
8. Approved by Incident Commander:		Signature: <i>Artie Colson</i>	
ICS 202		Name: STEVE WATKINS	
IAP Page		Signature: <i>Steve Watkins</i>	
		Date/Time: 06/29/2021 1500	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: LAVA		2. Operational Period: DAY	
		Date/Time From: 06/30/2021 0600	Date/Time To: 06/30/2021 1800
		WED	WED
3. Incident Commander(s) and Command Staff:			
IC/UC	STEVE WATKINS; DARRYL LAWS CLINTON GOULD (T)		MEDICAL UNIT MICKEY BRUNELLI
DEPUTY	MICHAEL STRAWHUN		FOOD UNIT MICHAEL CHAPMAN
SAFETY OFFICER	GREG MARFIL		7. Operations Section:
INFORMATION OFFICER	RAJ SINGH MICHELLE CARONARO		DAY OPS SECTION CHIEF JEFF HINSON CHANCE TRAUB (T)
LIAISON OFFICER	DAVID COOPER; DENNIS REIN		NIGHT OPS SECTION CHIEF JACK FROGGATT
4. Agency/Organization Representative(s):			
Agency/Organization	Name		PLANNING OPS ALEC LANE GORDON MEYER (T)
SHF AGENCY ADMINISTRATOR	CAROLYN NAPPER		DEPUTY OPS SECTION CHIEF STEVE WALKER
CHP	ROBERT LYNAM		Branch I
TIMBER INDUSTRY LIAISON	DARIN QUIGLEY		BRANCH DIRECTOR
ROSEBURG FOREST PRODUCTS	RYAN DUCHI		DIVISION/GROUP A DANIEL GUSE
UNION PACIFIC RAILROAD	GENE WOMACK		DIVISION/GROUP D UNSTAFFED
LAKE SHASTINA FIRE	STEVEN PAPPAS		Branch III
WEED FIRE	BRIAN CARTER		BRANCH DIRECTOR
SISKIYOU COUNTY SHERIFF	LT. BEN WHETSTINE		DIVISION/GROUP M CHRIS VERO
OES	PATRICK TITUS		DIVISION/GROUP H ANDY ZINK
5. Planning Section:			
CHIEF	ARTIE COLSON		DIVISION/GROUP R KELSEY LOFDAHL NOLAN ROTH (T)
READ	NICK MEYERS		Branch V
RESOURCES UNIT	S. SOLIS; A. SINGER; N.PHILLIPE; J.LEBLANC (T)		BRANCH DIRECTOR LUKE KENDALL
SITUATION UNIT	MARK LEMON; ROBERT HERRERA		DIVISION/GROUP T LARRY TURMAN
DEMOB	MARIAN KADOTA		DIVISION/GROUP Z SHAWN RALEY
TRAINING SPECIALIST	JOHN LEBLANC		7b. Air Operations Branch:
GIS SPECIALIST	STEVE ROGNESS DAVID GABALDON		AIR OPS BRANCH DIRECTOR STACI DICKSON
ITSS	RON WATSON; ALEX HENNEN		AIR ATTACK SUPERVISOR
IMET	ERIC KURTH		AIR SUPPORT SUPERVISOR COLE WALLACE
FBAN	TARO PUSINA; JOSH EICHAMER(T)		HELICOPTER COORDINATOR
6. Logistics Section:			
CHIEF	MARK RATEKIN		AIR TANKER COORDINATOR
DEPUTY	RANDY JACKSON		8. Finance/Administration Section:
SUPPLY UNIT	DAVID GERSTUNG JIM MIDDLETON		CHIEF JOAN DISNEY LISA DOW (T)
FACILITIES UNIT	MATTHEW WIGGINS		DEPUTY
GROUND SUPPORT UNIT	LARRY AMERJAN VERNON SMITH		TIME UNIT TIFFANIE SACHSE-SANTI PAULLA STEPHENS
COMMUNICATIONS UNIT	JOE MEHCIZ		PROCUREMENT UNIT
9. Prepared By:			
Name:	ANSLEY SINGER		COMPENSATION UNIT
Position/Title:	RESL		COST UNIT SANDRA TARVIN (T)
Signature:			
Date/Time:			
ICS 203	IAP Page		

FINAL



Fire Weather Forecast



FORECAST NO: 2
PREDICTION FOR: 6/29-30/2021
SHIFT DATE: Night
FORECAST ISSUED: 1200 6/29/2021

NAME OF FIRE: Lava Fire
UNIT: CA-SHF
SIGNED: *Eric C. Kurth,*
Incident Meteorologist
eric.kurth@noaa.gov (240)-778-5292

...Wind Shifts to Northwesterly...

WEATHER DISCUSSION: Clear skies tonight. Prevailing winds shift to the northwest with gusts to 20-25 mph possible. An inversion is expected to develop after midnight, with smoke thickening under the inversion. Morning low temperatures will again be mild, but with slightly increased humidity recoveries. Winds are expect to be northwesterly gusting to 20 to 25 mph in the early evening, decreasing after midnight.

WEATHER FORECAST:

WEATHER: Clear. Areas smoke thickening under inversion.

TEMPERATURES: 60-65 valleys and 58-64 ridges.

HUMIDITY: 45-60 percent valleys and 40-50 percent ridges.

20 FT WINDS:

UPPER SLOPE/RIDGETOP - Northwest 5 to 10 mph with gusts to 20 mph in the evening, decreasing after midnight.

LOWER SLOPE/VALLEY - Northwest 8 to 12 mph with gusts to 25 mph in the evening. decreasing after midnight.

HAINES INDEX: 6
LAL: 1

STABILITY/INVERSION: Inversion with smoke laying down after midnight.

Please send Surface observations to Eric.Kurth@noaa.gov or text to (240)-778-5292

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 3

TYPE OF FIRE: Wildfire

FIRE NAME: Lava

OPERATIONAL PERIOD: Night 1800 - 0600, 6/29-30/2021

DATE ISSUED: June 29, 2021

TIME ISSUED: 1830

UNIT: Shasta Trinity NF, Mt. Shasta RD

SIGNED: /s/ Taro Pusina

Taro Pusina, FBAN

INPUTS

WEATHER SUMMARY

Discussion: Clear skies tonight. Prevailing winds shift northwest with gusts 20-25 mph possible. Instability expected to continue throughout the evening.

Weather: Warm with smoke inversion settling in after midnight.

Min Temps: 60-65° valleys, 58-64° ridges

Max RH: 45-60% valleys and 40-50% ridges

20' Winds: Lower slopes/valleys: northwest 5-10 mph, gusts to 20 mph, decreasing after midnight.
Upper slopes/valleys: northwest 8-12 mph, gusts to 25 mph, decreasing after midnight.

FIRE BEHAVIOR

GENERAL:

- **Fire Behavior:** **Very active, plume dominated fire behavior during the heat of the day** Mt. Shasta ERC is 72 and the Haines index is 5.
- **Fuels:** Below average winter snowpack and very hot, dry windy conditions have created conditions one to two months ahead of average. Surface fuels consist of manzanita and shrubs with second growth ponderosa pine and mixed conifer in the overstory best represented by Scott and Burgan's SH5 and TL8 fuel models. ERC's and 1000-hour fuel moistures are *at the 90th percentile and setting records for dryness for this time of year.* 1000-hour dead fuel moistures are below 10% and live brush fuel moistures are below 100%.
- **Topography:** Aspect is mostly west on the rugged, lava flow flanks of Mt. Shasta. The elevation range is 3000' - 6000' and slopes range from 20 to 70%. The lava rock creates difficult access and a high resistance to control.

SPECIFIC FIRE BEHAVIOR:

Until dark expect isolated and short duration crown fire runs in mixed conifer and shrub understory. Potential *daytime maximum headfire behavior* (reduce these numbers by approximately ½ for flanking fire and ¾ for backing fire):

- Shrub: 15 - 30' flame lengths, 71 - 217 chs/hr rate of spread
- Mixed Conifer: 3 - 5' flame lengths, 6 - 14 chs/hr rate of spread
- Torching/short duration timber crownfire: 100 - 150' flame lengths, 90 chs/hr rate of spread
- Torching tree spotting distance up to ¾ mile spotting distances with 70% probability of ignition

After dark headfire (reduce these numbers by approximately ½ for flanking fire and ¾ for backing fire):

- Shrub: 15 - 20' headfire flame lengths, 71 - 150 chs/hr rate of spread
- Mixed Conifer: 2 - 4' flame lengths, 4 - 10 chs/hr rate of spread

• Isolated and short duration crown fire runs are likely in timber and brush in heavier concentrations of vegetation/fuels

DIV's R/M: Before dark smoldering and creeping with isolated flareups along fireline, after dark, line may be threatened under north winds. *Escapes across line may impact Weed.*

DIV T: Until dark expect backing and flanking with moderate *spread potential toward Lake Shastina* in any unlined areas. After dark, flareups along fireless may occur under northerly/downslope wind conditions.

DIV Z: Until dark expect moderate duration sustained crownfire and very active fire behavior in brush and timber. Community of Shasta Vista and subdivisions along Hwy. A12 will continue to be threatened. Expect brush and timber crown fire runs with rapid rates of spread towards Big Springs Rd. and County Highway A12.

AIR OPERATIONS

- Sunset 6/29 @ 2047 hours, Sunrise 6/30 @ 0539 hours. Smoke inversion likely setting in around 2400 hours.

SAFETY

- Northerly wind shift may cause an increase in fire behavior on the line near the communities of Weed and Lake Shastina tonight.

Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name: LAVA		3.	
2. Operational Period: NIGHT		I	A
Date/Time From: 06/29/2021 1800 TUE	Date/Time To: 06/30/2021 0600 WED		

4. Operations Personnel			
OPERATIONS CHIEF	JACK FROGGATT PAT BELL (T)	BRANCH DIRECTOR	
DIVISION/GROUP SUPERVISOR	ABEL MATA	FIELD SAFETY	NICK BIANCHINI

5. Resources Assigned this Period					
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC1 ARROYO GRANDE IHC C-20	07/12	PHIL HERNANDEZ	19	LAVA ICP/1800	LAVA ICP/0600

6. Control Operations/Work Assignments:
Scout for direct and/or indirect opportunities for line construction.

7. Special Instructions:

8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 (SHFR)	171.5750	15 (162.2)	165.0125	15 (162.2)	
TACTICAL	6 (NIFC TAC1)	168.0500		168.0500		
AIR TO GROUND	13 (A/G TAC)	169.1500		169.1500		

9. Prepared By (Resource Unit Leader) NANCY PHILLIPS <i>Nancy Phillips</i>		Approved By (Planning Section Chief) ARTIE COLSON <i>Artie Colson</i>		Date 06/29/2021	Time 1500
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Division/Group Assignment List (ICS 204 WF)
Controlled Unclassified Information//Basic

1. Incident Name: LAVA		3.	
2. Operational Period: NIGHT		Branch: III	Division/Group M
Date/Time From: 06/29/2021 1800 TUE	Date/Time To: 06/30/2021 0600 WED		

4. Operations Personnel			
OPERATIONS CHIEF	JACK FROGGATT PAT BELL (T)	BRANCH DIRECTOR	
DIVISION/GROUP SUPERVISOR	MIKE ANDERSON	FIELD SAFETY	NICK BIANCHINI

5. Resources Assigned this Period					
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time
HC21 LASSEN C-2	07/10	ALLEN SCHULTZE	19	LAVA ICP/0600	LAVA ICP/1800
WTS3 PJ AND R E-27	07/10	PAUL YOKOYAMA	1	LAVA ICP/0600	LAVA ICP/1800

6. Control Operations/Work Assignments:
Continue with direct line construction to the Wilderness boundary.
Ensure adequate mop up of completed line to keep fire from progressing southwest toward the community of Weed.

7. Special Instructions:

8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 (SHFR)	171.5750	15 (162.2)	165.0125	15 (162.2)	
TACTICAL	10 (NIFC TAC7)	168.2500		168.2500		
AIR TO GROUND	13 (A/G TAC)	169.1500		169.1500		

9. Prepared By (Resource Unit Leader) SHANNON SOLIS <i>Shannon Solis</i>		Approved By (Planning Section Chief) ARTIE COLSON <i>Artie Colson</i>		Date 06/29/2021	Time 1500
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Division/Group Assignment List (ICS 204 WF)

Controlled Unclassified Information//Basic

1. Incident Name:		3.				
LAVA		Branch: III		Division/Group R		
2. Operational Period: NIGHT						
Date/Time From: 06/29/2021 1800 TUE		Date/Time To: 06/30/2021 0600 WED				
4. Operations Personnel						
OPERATIONS CHIEF		JACK FROGGATT PAT BELL (T)		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		FIELD SAFETY NICK BIANCHINI				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
DEL ROSA IHC						
BECKWOURTH IHC C-7		MIKE WINTCH	20			
6. Control Operations/Work Assignments:						
Look for opportunities to go direct to minimize fire spread to the west.						
7. Special Instructions:						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 (SHFR)	171.5750	15 (162.2)	165.0125	15 (162.2)	
TACTICAL	8 (NIFC TAC5)	166.7250		166.7250		
AIR TO GROUND	13 (A/G TAC)	169.1500		169.1500		
9. Prepared By (Resource Unit Leader)		Approved By (Planning Section Chief)		Date	Time	
NANCY PHILLIPS <i>Nancy Phillips</i>		ARTIE COLSON <i>Artie Colson</i>		06/29/2021	1500	

Division/Group Assignment List (ICS 204 WF)

Controlled Unclassified Information//Basic

1. Incident Name: LAVA		3.				
2. Operational Period: NIGHT		Branch: V		Division/Group T		
Date/Time From: 06/29/2021 1800 TUE	Date/Time To: 06/30/2021 0600 WED					
4. Operations Personnel						
OPERATIONS CHIEF JACK FROGGATT		BRANCH DIRECTOR LUKE KENDALL				
DIVISION/GROUP SUPERVISOR LARRY TURMAN		FIELD SAFETY				
5. Resources Assigned this Period						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
HCS1 9252G C-10000		RHETT CORNING	38	FIRELINE/1800	ICP/0600	
ES3 S/T XSU 3225C E-98	07/12	RICHARD EPPERSON	17	FIRELINE/1800	ICP/0600	
ES3 S/T OES 3800C E-100	07/12	SHAWN PLUMMER	20	FIRELINE/1800	ICP/0600	
ES3 BTU 9212C E-10000		BYRON VANCE	17	FIRELINE/1800	ICP/0600	
ES3 LNU 9143C E-10001		STEVE MILLOSOVICH	18	FIRELINE/1800	ICP/0600	
DO22 SW MAINTENANCE E-12		JEREMY WARD		FIRELINE/1800	ICP/0600	
DO22 MORGAN CREEK E-40				FIRELINE/1800	ICP/0600	
WTT1 OES 31 E-102	07/12	PATRICK TROTTER	2	FIRELINE/1800	ICP/0600	
WTT1 PIO WT 38 E-106	07/12	SELIG GEORGE	2	FIRELINE/1800	ICP/0600	
WTS2 WILLMORE AG SERVICES E-25	07/10	BILL TORRES	1	FIRELINE/1800	ICP/0600	
6. Control Operations/Work Assignments: Continue line construction and mopup.						
7. Special Instructions:						
8. Division/Group Communication Summary						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	1 (SHFR)	171.5750	15 (162.2)	165.0125	15 (162.2)	
TACTICAL	11 (CDF TAC24)	151.3325	16 (192.8)	151.3325	16 (192.8)	
AIR TO GROUND	13 (A/G TAC)	169.1500		169.1500		
9. Prepared By (Resource Unit Leader) SHANNON SOLIS		Approved By (Planning Section Chief) ARTIE COLSON		Date 06/29/2021	Time 1500	

HEALTH AND SAFETY MESSAGE

SAFETY starts with **YOU**

We are **ALL** accountable for **SAFE** behaviors

June 29-30, 2021

INCIDENT: **Lava**

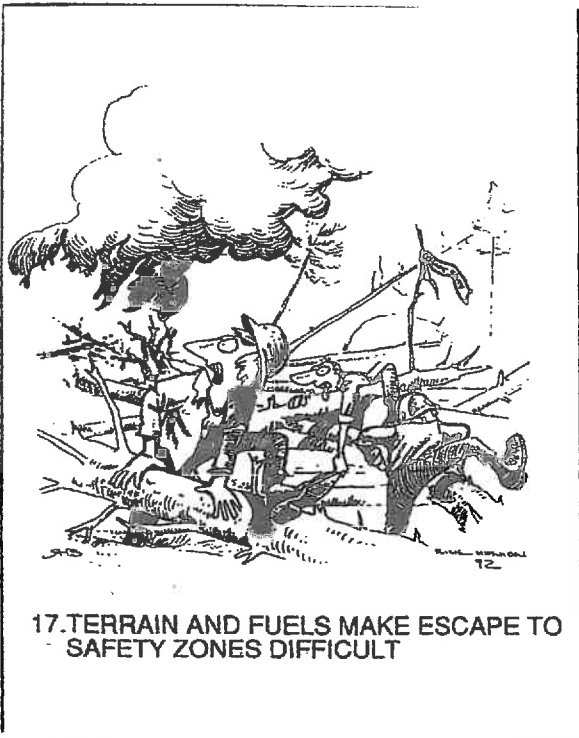
Night Operations:

Major Hazards and Risks:

- **Lava Beds:** Work slowly and ALWAYS wear your gloves. If you trip and fall your hands will have some protection from the lava rock.
- **Hazard Trees:** Assess ALL Trees in Work Areas....In addition to suppression and mop-up operations, assess hazard trees when you take breaks and park vehicles. Check out your IRPG pgs. 22-23.
- **Heat Related Injuries:** Stay Hydrated, drink plenty of fluids, take frequent breaks, and listen to your body.
- **Infectious Disease:** Last year we were very affective at reducing the spread of pathogens, and had virtually no cases of camp crud: aka norovirus. Keep washing your hands often, and avoid community ice chests.
- **Driving:** Practice “defensive driving” and always use headlights and observe posted speed limits.

SAFETY ZONES

Make sure everyone is aware of their locations.

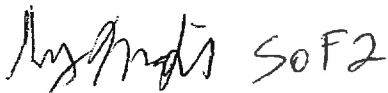


17. TERRAIN AND FUELS MAKE ESCAPE TO SAFETY ZONES DIFFICULT

Establish “Trigger Points” and follow them.

Thanks from your Safety Team!!

Greg Marfil, Nick Bianchini, Pedro Martinez



Risk Management Process

Situation Awareness

Gather Information

- Objective(s) Previous Fire Behavior
- Communication Weather Forecast
- Who's in Charge Local Factors

Hazard Assessment

Estimate Potential Hazards

Look Up/Down/Around Indicators

Identify Tactical Hazards

What other safety hazards exist?

Consider severity vs. probability?

Hazard Control

Identify hazard mitigation actions

What other controls are necessary?

Decision Point

Are controls in place for identified hazards?

NO - Reassess situation **YES** - Next question

Are selected tactics based on expected actions/outcomes?

NO - Reassess situation **YES** - Next question

Have instructions been given and understood?

NO - Reassess situation **YES** - Initiate action

Evaluate

Human Factors: Low experience level?


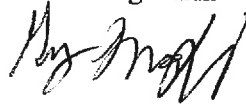

Distracted from primary tasks?

Fatigue or stress reaction?

Hazardous attitude?

OPERATIONAL LEADERSHIP

- **Take Charge** of your resources
- **Motivate** with a “can do it safely” attitude
- **Demonstrate Initiative**...take action
- **Communicate**...give clear, concise instructions
- **Supervise**.....Provide leadership!!

BR/DIV	HAZARDOUS ACTIONS/CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
All	Lava Beds	<ul style="list-style-type: none"> • Slow down, and be sure of where you are stepping. • Wear gloves at all times to protect your hands from the sharp lava rock. • Flag and identify vertical tubes. • Be cautious when driving through lava beds.
All	Hazard Trees	<ul style="list-style-type: none"> • Follow "Hazard Tree Safety" guidelines, IRPG pages 22-23. • 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. • Remember that the hazard zone extends a minimum of 2 1/2 tree heights. • Post road guards when appropriate.
All	Air Operations	<ul style="list-style-type: none"> • Follow "Aviation Watch-Out Situations" on page 46, IRPG. • Don't plan on air resources for medical transport or resupply. • Refer to page 58, IRPG for directing bucket drops. • Ensure positive communication with all air resources. • Ensure Drone Operations are coordinated with air resources
All	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> • Maintain 8-10' spacing when working and walking. • Don't work above any personnel. • Be on the lookout for rolling rocks, debris, or burning material.
All	Power Utilities	<ul style="list-style-type: none"> • Refer to the IRPG pages 24-25 for Power Line Safety. • Notify all personnel of down electrical lines. • Always treat downed wires as energized. • Identify and avoid high tension transmission lines.
All	Heat Related Injury (HRI)& Dehydration	<ul style="list-style-type: none"> • Drink Fluids throughout operational period (6-8 quarts/shift). • Maintain water/electrolyte ratio of 3 to 1. • Carry extra water on line and cache water at drop points. • Take frequent breaks, minimum of 10 minutes every hour. • Allow out of area resources to acclimate before expecting peak performance. • Recognize symptoms of HEAT RELATED INJURY.
All	Extended Medical Extraction Times	<ul style="list-style-type: none"> • Identify helispots and communicate Lats/Longs to DIVS. • Be familiar with the Medical Plan and communicate 8 line promptly. • Evaluate the necessity to send personnel into areas with limited access. • Be aware of weather conditions (i.e. smoke inversions, high winds etc.), that could affect the ability of helicopters to reach you. • Don't rely on helicopters exclusively.
All	Bees, Ticks, Mosquitoes	<ul style="list-style-type: none"> • Canvas crew members for those with known allergic reactions to stings. • Ensure crew members have medication pens if needed. • Perform daily self-inspection. • Use repellent as necessary. • Advanced Life Support, multi-dose epi and airway protection. • Keep affected area clean and bandaged. • Be extra careful when eating and/or drinking to avoid stings to mouth and throat.
All	COVID-19 Environment	<ul style="list-style-type: none"> • Utilize social distancing (6 feet). Wear a facemask if you can't social distance. • Disinfect vehicle interiors, and commonly touched surfaces frequently. • Do not share devices (i.e. cellphones, laptops, radios etc.). • Utilize technology to communicate while maintaining social distance. • Wash your hands frequently.
Incident Name: Lava		Operational Period: Night June 29-30, 2021
OSC2: Jeff Hinson/Alec lane 	SOF2: Greg Marfil 	Date and Time Prepared: June 29th, 2021 0800 Hours
		

INCIDENT RADIO COMMUNICATIONS PLAN	1. Incident Name	2. Date/Time Prepared	3. Operational Period Date/Time
	LAVA	06/29/2021 1150	06/29/2021 1800-0600

4. Basic Radio Channel Utilization

Radio Type/Cache	Channel	Function	Frequency/Tone	Assignment	Remarks
VHF	1	SHFR	RX 171.5750 TX 165.0125 /T15	COMMAND	TONE 15(162.2)
VHF	2	NIFC C1	RX 170.9750 TX 168.7000 /T1	NOT IN USE	TONE 1(110.9)
VHF	3	NIFC C9	RX 170.0125 TX 165.2500 /T1	NOT IN USE	TONE 1(110.9)
VHF	4	NIFC C29	RX 171.5375 TX 164.8625 /T1	NOT IN USE	TONE 1(110.9)
VHF	5	NIFC TAC 2	168.2000 RX/TX	IA ONLY	IA ONLY
VHF	6	NIFC TAC 1	168.0500 RX/TX	DIV A	BRANCH 1
VHF	7	NIFC TAC 3	168.6000 RX/TX	AVAILABLE	BRANCH 1
VHF	8	NIFC TAC 5	166.7250 RX/TX	DIV R	BRANCH 3
VHF	9	NIFC TAC 6	166.7750 RX/TX	AVAILABLE	BRANCH 3
VHF	10	NIFC TAC 7	168.2500 RX/TX	DIV M	BRANCH 3
VHF	11	CDF TAC 24	151.3325 RX/TX TONE 16 (192.8)	DIV T	BRANCH 5
VHF	12	CDF TAC 25	159.2775 RX/TX TONE 16 (192.8)	DIV Z	BRANCH 5
VHF	13	A/G TAC	169.1500 RX/TX	ALL DIVS	AIR/GROUND
VHF	14	A/G CMD	167.9500 RX/TX	ALL DIVS	DIV/BRANCH USE WITH AIR
VHF	15	CALCORD	156.0750 RX/TX TONE 6 (156.7) Both	ALL DIVS	MEDEVAC COORDINATION
VHF	16	AIR GUARD	168.6250 RX/TX TONE 1 (110.9)	ALL DIVS	TONE ON TRANSMIT ONLY

All frequencies are Analog – Narrowband.

5. Prepared by (Communications Unit)

JOE MEHCIZ, COML 661-332-7608

Lava Fire Incident Training Program

A TNSP is assigned to this incident and will be performing the majority of duties "virtually".

To receive documented credit for your assignment, scan the QR Code or click on the link below to access and complete the Trainee Registration Form. Once registered you will receive additional instructions via text. For training related questions, call Brad Smith (TNSP) at 209-770-4809 or email bradley_smith@firenet.gov



[Lava Fire - Trainee Registration Form](#)

MINIMUM IMPACT SUPPRESSION TECHNIQUES (MIST) – “Do the least damage”



Firefighter and public safety is always the first priority in any suppression action, including operations in wilderness. Use of MIST provides guidelines for preserving wilderness areas for present and future generations.

When evaluating fire management actions, the potential degradation of wilderness character should be considered before, and given significantly more weight than, economic efficiency, and convenience. Unless human life or private property is immediately threatened, only those actions that preserve wilderness character and/or have localized, short-term adverse impacts to wilderness character should be implemented.

MOUNT SHASTA WILDERNESS

FIRELINE CONSTRUCTION

- Take advantage of natural barriers wherever possible.
- Use cold-trail and/or wet line when appropriate.
- If the decision is made to construct line, use only the width and depth necessary for halting the fire spread. Minimize ground disturbance.
- Minimize bucking and cutting of trees to establish fire line; build line around logs when feasible and effective.
- Limb vegetation only to the extent necessary to stop fire spread.
- Avoid cutting live trees whenever possible.
- As an alternative to felling, consider allowing ignited trees and snags to burn themselves out. Ensure adequate safety measures are communicated to those affected by this decision.
- If burning trees or snags pose a serious threat of spreading firebrands, extinguish the fire with water and/or dirt wherever possible.
- Use cross cut saws unless use of chain saws is approved.

AIR OPERATIONS

- Limit retardant or foam use, use water instead. If retardant and foam is appropriate, avoid drops near water.
- Minimize the number of helispots in wilderness. Use alternate sites outside wilderness. Use natural openings as much as possible.
- Size the helispots for the appropriate size helicopter. Consider long line remote hook operations instead of helispots for logistical support.

REHABILITATION

- Remove signs of human activity. Remove signs, flagging, garbage, and equipment.
- Restore disturbed areas.
- Scarify the top 2-4" of soil in heavily compacted areas and scatter needles, twigs, branches, over the area.
- Rehabilitate newly established trails on slopes <6%, water bar trails created on steeper slopes.
- Scatter cut material and camouflage cut surfaces with dirt.
- Do not use non-native materials, avoid introducing invasive species.



Human Resource Message

PREVENT SEXUAL HARASSMENT

SEXUAL HARASSMENT at work, including emergency incidents, occurs whenever unwelcome conduct on the basis of gender adversely affects a person's ability to do their job, and contributes to a hostile work environment. Sexual harassment includes, but is not limited to, the following types of conduct:

- Unwelcome sexual advances
- Requests for sexual favors
- Discussing sexual activities
- Telling off-color jokes
- Unnecessary touching
- Displaying sexually suggestive pictures
- Using demeaning or inappropriate terms
- Using indecent gestures
- Using crude and offensive language
- Commenting on physical attributes

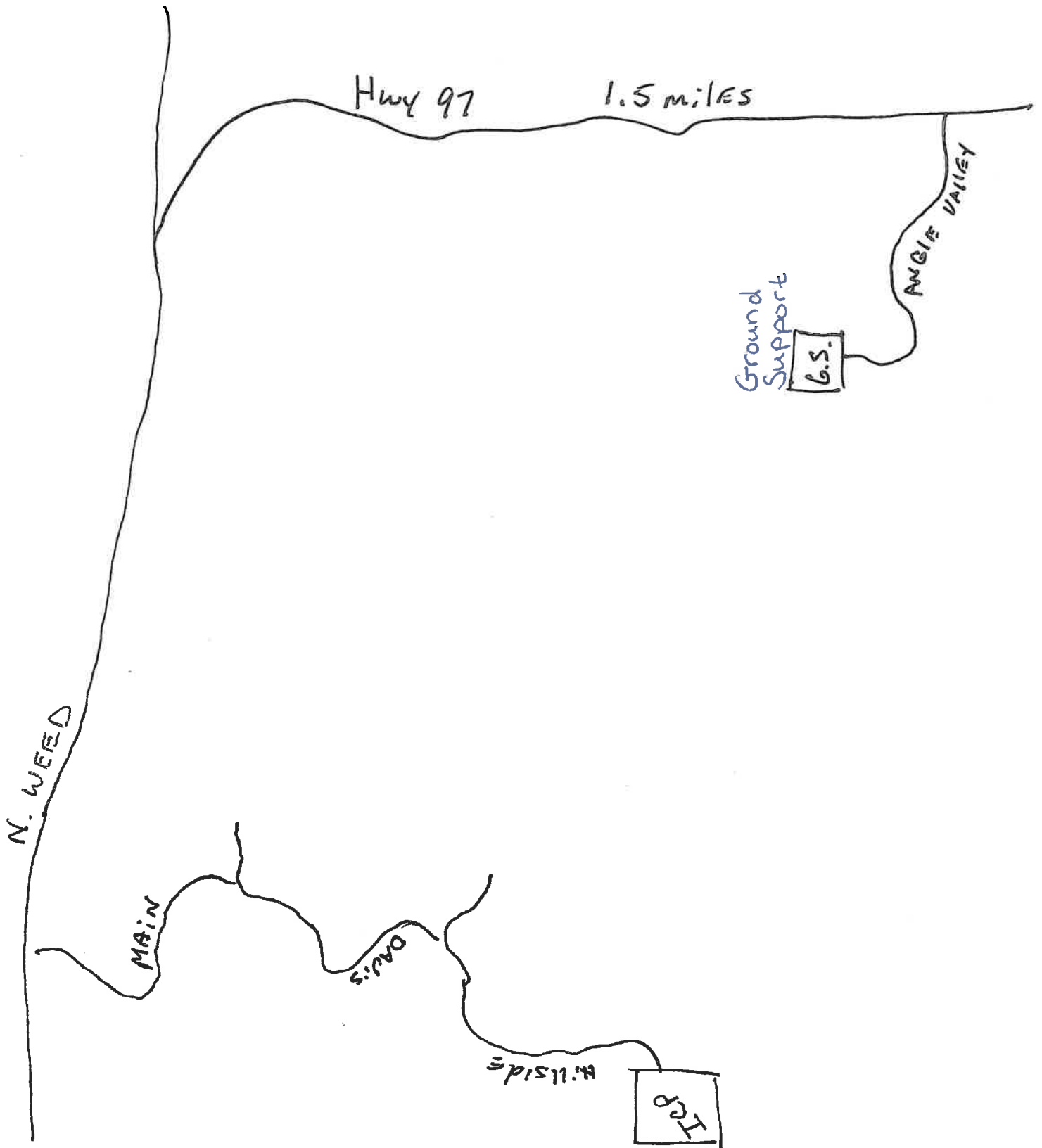
“Inappropriate behavior is harassment including sexual and racial harassment and shall not be tolerated” (Fireline Handbook, Chapter 6, Common Responsibilities).

Deputy Incident Commander



Tuesday, June 29, 2021

Directions to Ground Support



1. Incident Name		2. Operational Period						
Lava Incident		Date/Time: 6/29/2021 - 6/30/2021 (1800-0600)						
3. EMS / Ambulance Services/Aid Stations/REMS								
Name	Location	Frequency/Phone	Advanced Life Support (ALS)					
			Yes	No				
Mountain Medics 4x4 ALS Ambulance (24 hours)	Hwy 97 & 42N15	Command	X					
Mt. Shasta Ambulance	1020 Oak St. Mt. Shasta, CA 96067	911	X					
4. Air Rescue / Air Ambulance Services								
Name	Location	Type of Aircraft & Capability						
PHI Air Medical	Redding, CA (530) 221-0646	Type 3 Air Ambulance, ALS						
Reach 5	Redding, CA (800) 252-6050	Type 3 Air Ambulance, ALS						
CHP H14/H16	Redding, CA (530) 225-2040	Type 3, ALS, Hoist (Day Time Only)						
Coast Guard	Arcadia, CA (707) 839-6100	Type 2, ALS, Hoist (Night)						
5. Hospitals (all times estimated from incident location)								
Name & Level	GPS Datum - WGS 84 Degrees Decimal Minutes		Travel Time		Phone	Helipad	Address	
	Lat:		Air	Gnd		Yes	No	
Mercy Mt. Shasta (Level 3)	Long:	N 41° 19.117'	5 MINS	20 MINS	(530) 926-6111	X		914 Pine St. Mt. Shasta, CA
Fairchild Medical Center (Level 4)	Lat:	N 41° 43.164'	10 MINS	35 MINS	(530) 842-4121	X		444 Bruce Street Yreka, CA
Shasta Regional (Level 3)	Long:	W 122° 38.741'	20 MINS	1.25 HRS	(530) 244-5400	X		1100 Butte St. Redding, CA
Mercy Medical Center Redding (Level 2)	Lat:	N 40° 53.72	20 MINS	1.25 HRS	530-225-6000	X		2175 Rosaline Ave. Redding CA
U.C. Davis Medical Center (Level 1 Trauma/Burn)	Long:	W 122° 23.80	1.75 HRS	3.5 HRS	916-734-3636	X		2315 Stockton Blvd. Sacramento, CA
	Lat:	N 40° 34.33						
	Long:	W 121° 27.317						
6. Division / Crew Emergency Pre-Plan						Update and discuss with assigned resources daily.		
Fireline EMT / Medic's Division / Branch Location								
Air Hoist site location site: Lat: / Long: / Elevation:								
Helispot: Lat: / Long: / Elevation:								
7. Prepared By (Medical Unit Leader)		8. Date/Time	9. Reviewed By (Safety Officer)		10. Date/Time			
Mickey Brunelli - MEDL <i>MB</i>		6/29/2021 1200	Grag Marfil - SO #2 <i>Grag Marfil</i>		6/29/2021 1200			

Medical Incident Report

FOR A **NON-EMERGENCY INCIDENT**: WORK THROUGH CHAIN OF COMMAND TO REPORT AND TRANSPORT INJURED PERSONNEL AS NECESSARY.

FOR A **MEDICAL EMERGENCY**: IDENTIFY ON SCENE INCIDENT COMMANDER BY NAME AND POSITION AND ANNOUNCE **"MEDICAL EMERGENCY"** TO INITIATE RESPONSE FROM COMMUNICATIONS

Use the following items to communicate situation to communications/dispatch.

1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report)

Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."

2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure.

Ex: "Communications, I have a Red priority patient, unconscious, struck by a falling tree.

Requesting air ambulance to Forest Road 1 at (Lat./Long.)

"This will be the Trout Meadow Medical Incident, IC is TFLD Jones. EMT Smith is providing medical care."

Severity of Emergency AND Transport Priority (priority 1, 2, 3)	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2nd - 3rd burns more than 4 palm sizes, heat stroke, disoriented.</i> <input type="checkbox"/> YELLOW / PRIORITY 2 Serious injury or illness. Evacuation may be DELAYED if necessary. <i>Ex: Significant trauma, unable to walk, 2nd - 3rd burns not more than 1-3 palm sizes.</i> <input type="checkbox"/> GREEN / PRIORITY 3 Minor injury or illness. Non-Emergency transport <i>Ex: Sprains, strains, minor heat-related illness.</i>
Nature of Injury or Illness & Mechanism of Injury	Brief Summary of Injury or Illness <i>(Ex: Unconscious, Struck by Falling Tree)</i>
Transport Request	Air Ambulance / Short Haul/Hoist Ground Ambulance / Other
Patient Location	Descriptive Location & Lat. / Long. (WGS84)
Incident Name	Geographic Name + "Medical" <i>(Ex: Trout Meadow Medical)</i>
On-Scene Incident Commander	Name of on-scene IC of Incident within an Incident <i>(Ex: TFLD Jones)</i>
Crew Patient Care	Name of Care Provider <i>(Ex: EMT Smith)</i>

3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)

Patient Assessment: Age: Weight: Chief Complaint:

(IRPG PAGE 106)

Skin Signs: (color/moisture/temp) Level of Consciousness: BP: HR: Respirations:

Treatment:

4. TRANSPORT PLAN:

Evacuation Location (drop point, intersection, helispot, Lat. / Long, hazards) Patient's ETA to Location:

5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:

Paramedic / EMT - Crews - Immobilization Devices - AED - Oxygen - Trauma Bag - IV/Fluid(s) - Splints - Rope rescue - Wheeled litter - HAZMAT - Extrication

6. COMMUNICATIONS: Identify State Air/Ground EMS Frequencies and Hospital Contacts as applicable

Function	Channel Name/Number	Receive (RX)	Tone/NAC *	Transmit (TX)	Tone/NAC *
COMMAND					
AIR-TO-GRND					
TACTICAL					

7. CONTINGENCY: Considerations: If primary options fail, what actions can be implemented in conjunction with primary evacuation method?
Be thinking ahead.

8. ADDITIONAL INFORMATION: Updates/Changes, etc.

REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training
Be Alert - Keep Calm - Think Clearly - Act Decisively
***** Follow up with MEDL upon return to ICP *****