



INCIDENT ACTION PLAN

OPERATIONAL PERIOD

7/9/2021 0600 – 7/10/2021 0600

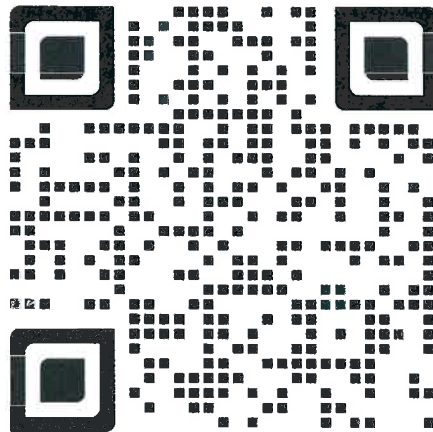
Friday

MAPs

IAP'S

DMOB LIST

TRAINING CHECK-IN



LAVA FIRE

CA-SHF-000949

P5 N3XW (0514)



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">LAVA FIRE</p>	2. Operational Period: <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Date From:</td> <td style="border: none;">7/9/2021</td> <td style="border: none;">Date To:</td> <td style="border: none;">7/10/2021</td> </tr> <tr> <td style="border: none;">Time From:</td> <td style="border: none;">0600</td> <td style="border: none;">Time To:</td> <td style="border: none;">0600</td> </tr> </table>	Date From:	7/9/2021	Date To:	7/10/2021	Time From:	0600	Time To:	0600
Date From:	7/9/2021	Date To:	7/10/2021						
Time From:	0600	Time To:	0600						

3. Objective(s):

- Management Objectives**
- Ensure firefighter and public safety by using strategies and tactics that mitigate known and anticipated hazards while providing for highest probability of success.
 - Maintain and enhance relationships with represented agencies, local landowners, and the general public.
 - Provide timely and accurate fire information to cooperators and affected communities.
 - Protect the natural and cultural resources in the fire area. Utilize M.I.S.T. in the Mt. Shasta Wilderness area.
 - Effectively manage cost by implementing strategies and tactics that have a high probability of success.
 - Reduce the threat to private property, residences, and infrastructure.
 - Initiate suppression repair in compliance with the Lava Fire Suppression Repair Plan.

- Control Objectives**
- Keep the fire within the current perimeter.

General Situational Awareness:

Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.

In the COVID-19 environment, high density populations or large groups are particularly at risk. To help protect yourself, your family and to ensure all employees return home safely, make sure to practice social distancing.

Enhanced hygiene (especially handwashing), PPE & monitoring practices help limit the infection rate of first responders.

5. Site Safety Plan Required? Yes No

Approved Site Safety Plan(s) Located at:

6. Incident Action Plan

<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> ICS 205 A	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Training Message	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Facility Maps	<input checked="" type="checkbox"/> Travel Map	<input checked="" type="checkbox"/> HR Message
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input checked="" type="checkbox"/> Demob Plan	<input type="checkbox"/> County Health Message
<input checked="" type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214

7. Prepared By: Robert Burnside Position/Title: PSC Signature: *Robert Burnside*

8. Approved by Incident Commander: Jerry McGowan Signature: *Jerry McGowan*



Fire Weather Forecast



FORECAST NO: 14
PREDICTION FOR: 7/9-10/2021
SHIFT DATE: Day & Night (0700-0700)
FORECAST ISSUED: 1830 7/8/2021

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

...Temperatures Heat up into the Weekend...

WEATHER DISCUSSION: Sunny and hot with patchy smoke and haze. The inversion will break by early morning. Winds will be light downslope in the early morning, becoming southerly and increasing to 5 to 10 mph, with gusts 15 mph in the afternoon on the east side of the fire. Winds turn northwest in the early evening then become light downslope/down-canyon winds after midnight. High temperatures in the valleys will reach around 100. The air will be dry with humidity levels dropping down into the teens to single digits in most locations in the afternoon. Morning low temperatures should be warmer, along with lower humidity recoveries.

WEATHER FORECAST TODAY:

WEATHER: Sunny. Haze with local smoke near active fire.
MAX TEMPERATURES: 98-101 valleys and 90-97 ridges.
MIN HUMIDITY: 8-14 percent valleys and 16-22 percent ridges.

20 FT WINDS:

UPPER SLOPE/RIDGETOP – Light downslope winds becoming southwest 5 to 10 mph by mid-morning. Winds gust up to 15 mph in the afternoon. Winds shift to the west northwest 5 to 10 mph around 1800 PDT.

LOWER SLOPE/VALLEY - Light downslope winds becoming southeast 4 to 8 mph with gusts to 15 mph in the early afternoon. For the northern portion of the fire area winds shift to west northwest 4 to 8 mph with gusts to around 14 mph around 1700 PDT.

HAINES INDEX: 6

LAL: 1

STABILITY/INVERSION: Weak morning inversion breaks mid-morning.

WEATHER FORECAST TONIGHT:

WEATHER: Mostly clear with local smoke.
MIN TEMPERATURES: 60-66 valleys and 55-62 ridges.
MAX HUMIDITY: 35-45 percent valleys and 30-40 percent ridges.

20 FT WINDS:

UPPER SLOPE/RIDGETOP - Winds west northwest 5 to 10 mph in the early evening. Winds overall decrease after 2200 PDT, gradually becoming downslope 2 to 5 mph overnight.

LOWER SLOPE/VALLEY –Winds northwest 4 to 8 mph with gusts to 15 mph in the early evening. Winds overall decrease after 2100 PDT, gradually becoming variable 1 to 4 mph overnight.

HAINES INDEX: 5

LAL: 1

STABILITY/INVERSION: Inversion develops after midnight with smoke laying down and bringing locally poor visibility.

Outlook: Significant heat returns for the weekend, with hot weather continuing into early next week.

Scan for current local weather observations:



FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 16

TYPE OF FIRE: Wildfire

FIRE NAME: Lava

OPERATIONAL PERIOD: Day 0600 – 1800, 7/9/2021
Night 1800 - 0600, 7/9 - 10/2021

DATE ISSUED: July 8, 2021

TIME ISSUED: 1800

UNIT: Shasta Trinity NF, Mt. Shasta RD

SIGNED: *Isl Patrick Doyle* Patrick Doyle, FBAN-t

INPUTS

WEATHER SUMMARY

See IMET Weather Forecast

Discussion: Clear skies with locally patchy smoke and haze from fire. Winds - light downslope in the early morning, becoming southerly and increasing to 5 to 10 mph, with gusts 15 mph in the afternoon on the east side of the fire. Winds turn northwest in the early evening then become light downslope/down-canyon winds after midnight. High temperatures in the valleys will reach around 100. The air will be dry with humidity levels dropping down into the teens to single digits in most locations in the afternoon. Morning low temperatures should be warmer, along with lower humidity recoveries.

See Fire Weather Forecast for more (previous page)

***Haines Index = 6 ***

FIRE BEHAVIOR

GENERAL: Residual heat and fire activity where heat exists due to low daytime humidity & fuel moisture (1/10/100)

	Mt. Shasta RAWs (40217)	NE-06 (Predictive Service Area)
Energy Release Component (Max):	75 (97 th percentile)	87 (>97 th percentile – max time of yr.)
100-hr (1-3" dia.) Dead Fuel Moisture Content (Min):	7% (3 rd percentile)	5% (3 rd percentile)
1000-hr (3-8" dia.) Dead Fuel Moisture Content (Min):	8% (3 rd percentile– min. time of yr.)	7% (3 rd percentile– min. time of yr.)

- **Fuels:** Below average winter snowpack and very hot, dry windy conditions have created burning conditions one to two months ahead of average. Surface fuels consist of manzanita, mountain mahogany & sage and with scattered second growth ponderosa pine and mixed conifer in the overstory.
- **Topography:** Aspect is primarily west and north on the rugged, lava flow flanks of Mt. Shasta. The elevation range is 2800' - 7800' and slopes range from 20 to 70%. The lava rock creates difficult access and is resistant to control.

SPECIFIC FIRE BEHAVIOR:

Timber-stringers, forested stands and shrub-field patches above 7500' that burned yesterday, will hold heat in heavy fuels surrounded by natural barriers or patchiness of fuels on the slope will continue to burn high on the slopes of Mt. Shasta. Be aware of interior islands that might burn causing torching with spot fires outside control lines.

If there is a new ignition or start outside of the line in lower slopes of fire, expect the following potential fire behavior. Potential *daytime maximum head-fire behavior* (reduce these numbers by approximately ½ for flanking fire and ¾ for backing fire):

- Shrub: 8 - 22' flame lengths, 14 - 144 chs/hr rate of spread
- Mixed Conifer: 3 - 10' flame lengths, 3 - 28 chs/hr rate of spread
- Torching/short duration timber crownfire: 100 - 150' flame lengths, 90 chs/hr rate of spread
- Spotting distance up to ½ mile spotting distances with 70-100% probability of ignition

DIV's A/E: Fire activity in area near "horse-shoe" in DIV A (Sec.11, T.42N, R.4W). Interior islands of unburned fuels will continue to burn down and consume. Fire behavior will increase dramatically if it gets established in whitebark pine mortality areas.

DIV's N/P/R: Established heat and fire spread over the last few days on eastside of Division, high on the slope of Mt. Shasta in area of recent activity north of Diller Canyon generating interior smokes with a low likelihood of escape.

DIV T/Z: Minimal activity to remark on, except that NIROPS IR is still showing isolated heat throughout area, watch for activity in or near areas along the line. Some heat may not be reflected in NIROPS IR map.

AIR OPERATIONS

- Sunset 07/09 @ 20:46 hours, Sunrise 7/10 @ 05:46 hours. Recent activity could increase morning smoke inversion impacting visibility.

SAFETY

- The fact that fire behavior subsiding doesn't mean the hazards are reduced. Many fire weakened trees are left with the fire perimeter. Be aware and ensure work areas are cleared of snags prior to engaging.

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION//BASIC

1. Incident Name: <p style="text-align: center; font-weight: bold;">LAVA FIRE</p>	2. Operational Period: Date From: 07/09/21 Date To: 07/10/21 Time From: 0600 Time To: 0600	3. Branch Division <p style="text-align: center; font-weight: bold; font-size: 1.2em;">A/E</p>
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4. Operations Personnel:		Page 1 of 1 Alpha/Echo
Operations Section Chief: Chris Childers / Kerri Gilliland (t)	Night Ops:	
Branch Director:	Branch Safety:	
Division/Group Supervisor: Daniel Cedeno / Joshua Dominguez(t)	Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
CRW2 PVT C-76 COBRAS		7/18	REYES, BEDOLLA	19	C-76	0600-1800	LAVA ICP
STC SHF 3675C		7/11	FLYN, SCOTT	27	E-107	0600-1800	LAVA ICP
ENG3 INF 331		7/13	HUBBARD, BLAKE	5	E-71	0600-1800	LAVA ICP
ENG6 PSF 11		7/17	NEWMAN, CHUCK	5	E-250	0600-1800	LAVA ICP
ENG6 PVT R2K E-254		7/17	STILLSMOKING, STILL	3	E-254	0600-1800	LAVA ICP
ENG6 Rocky Point 324		7/17	RACICOT, GERY	3	E-259	0600-1800	LAVA ICP
ENG6 Rocky Point 320		7/17	RAMSEY, CHRIS	3	E-260	0600-1800	LAVA ICP
W/T PVT E-86 TOUGH		7/17	HAMILTON, MARK	1	E-86	0600-1800	LAVA ICP
W/T PVT E-242 FORTNER		7/16	FORTNER, BOB	1	E-242	0600-1800	LAVA ICP
GRD2 PVT E-270 GREGORY		7/17	GREGORY, TOM	1	E-270	0600-1800	LAVA ICP
TFLD DANIEL		7/15	DANIEL, CHARLES	1	O-214	0600-1800	LAVA ICP
EMTF KUNTZ		7/12	KUNTZ, DUSTIN	1	O-90	0600-1800	LAVA ICP
EMTF BAKER		7/12	BAKER, MATT	1	O-93	0600-1800	LAVA ICP
REMS E-42 MOUNTAIN MEDICS IN		8/1	DRUMMOND, MATT	4	E-42	0600-1800	LAVA ICP
SOFR MOTT		7/14	MOTT, TODD C	1	O-44	0600-1800	LAVA ICP
SOFR LOFDAHL (t)		7/9	LOFDAHL, KELSEY L	1	O-323	0600-1800	LAVA ICP

6. Work Assignments:

TASK: Tactical patrol. Eliminate hazards and mop up where necessary. Continue suppression repair as appropriate.

PURPOSE: To eliminate threats to the fireline. Repair fire suppression effort damages.

END STATE: Fire containment and recovery.

7. Special Instructions:

Back haul all trash and equipment.

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
NIFC C29	4	COMMAND	171.5375	110.9 (T1)	164.8625	110.9 (T1)	
NIFC TAC 1	6	TACTICAL	168.0500	110.9 (T1)	168.0500	110.9 (T1)	
A/G TAC	13	AIR TO GROUND	169.1500	CSQ	169.1500	NONE	
A/G CMD	14	AIR TO GROUND	167.9500	CSQ	167.9500	NONE	
AIR GUARD	16	EMERGENCY	168.6250	CSQ	168.6250	110.9 (T1)	

9. Prepared by: Name: **Danny Douglas** **RESL**

Signature:

ICS 204 Date/Time: 7/8/2021 2200 Personnel Count: 77

ASSIGNMENT LIST (ICS 204 WF)

CONTROLLED UNCLASSIFIED
INFORMATION/BASIC

1. Incident Name: <p style="text-align: center;">LAVA FIRE</p>	2. Operational Period: Date From: 07/09/21 Date To: 07/10/21 Time From: 0600 Time To: 0600	3. Branch Division <p style="text-align: center;">ROADS GROUP</p>
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4. Operations Personnel:		Page 1 of 1
Operations Section Chief: Chris Childers / Kerri Gilliland (t)	Night Ops:	
Branch Director:	Branch Safety:	
Division/Group Supervisor: Billy Covert	Air Attack:	

5. Resources Assigned:		** Resources Below in Bold are 12 Hour **					
Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ENG6 CARROLL E-263		7/18	LITTLE, JOSH	3	E-263	0600-1800	LAVA ICP
DO22 PVT E-115 NORTHSTATE		7/13	SILVA, JARED	2	E-115	0600-1800	LAVA ICP
DO22 PVT E-119 NORTHSTATE		7/14	RANIHAN, JESSE	2	E-119	0600-1800	LAVA ICP
W/T PVT E-23 WILLMORE		7/10	ANDERSON, MICHELLE	1	E-23	0600-1800	LAVA ICP
W/T PVT E-24 WILLMORE		7/10	STOVER, JASON	1	E-24	0600-1800	LAVA ICP
W/T PVT E-25 WILLMORE		7/10	TORRES, BILL	1	E-25	0600-1800	LAVA ICP
W/T PVT E-27 PJ&R		7/10	YOKOYAMA, PAUL	1	E-27	0600-1800	LAVA ICP
W/T PVT E-31 PROPUMP		7/10	SEABOURNE, MIKE	2	E-31	0600-1800	LAVA ICP
W/T PVT E-241 MIKE WATER		7/16	SMITH, LARRY	1	E-241	0600-1800	LAVA ICP
GRD2 PVT E-271 LAMB		7/18	BROWER, JUSTIN	1	E-271	0600-1800	LAVA ICP
TFLD WALTON		7/20	WALTON, DANIEL B	1	O-260	0600-1800	LAVA ICP
TFLD GUNDLE(t)		7/13	GUNDLE, COLIN J	1	O-131	0600-1800	LAVA ICP
HEQB PRICE		7/19	PRICE, NICHOLAS	1	O-356	0600-1800	LAVA ICP

6. Work Assignments:
TASK: Repair damaged roads according to the Lava Fire Suppression Repair Plan.
PURPOSE: To maintain their serviceability as access roads.
END STATE: Roads are usable when fire is contained.

7. Special Instructions:
 Back haul all trash and equipment.

8. Communications							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
NIFC C29	4	COMMAND	171.5375	110.9 (T1)	164.8625	110.9 (T1)	
NIFC TAC 3	7	TACTICAL	168.6000	110.9 (T1)	168.6000	110.9 (T1)	
A/G TAC	13	AIR TO GROUND	169.1500	CSQ	169.1500	NONE	
A/G CMD	14	AIR TO GROUND	167.9500	CSQ	167.9500	NONE	
AIR GUARD	16	EMERGENCY	168.6250	CSQ	168.6250	110.9 (T1)	

9. Prepared by: Name: Danny Douglas RESL Signature:

ICS 204 Date/Time: 7/8/2021 2200 Personnel Count: 18

AIR OPERATIONS SUMMARY ICS-220										Time Prepared		Date Prepared		Prepared By	
Incident Name and Incident Number Lava CA-SHF-0949				Sunrise 541	Startup 612	Cutoff 2014	Sunset 2044	1830		Thursday, July 08, 2021		Jason Nava		Operational Period - Time	
General Remarks, Safety Notes, Hazards, Air Operations Special Equipment, etc. TRACK ALL DIPSITE LOCATIONS / NUMBER OF DIPS / GALLONS TAKEN TRACK ALL DROP LOCATIONS / NUMBER OF DROPS / GALLONS DROPPED ALL GPS DATA TO BE COLLECTED IN DEGREES, MINUTES, DECIMAL MINUTES, FORMAT. AVOID Aerial Application of Retardant / Foam / Agent within 300' of Waterways, Bodies of Water, etc. If Retardant / Foam / Agent is Dropped Within These Areas Immediately Notify the AOB and Provide the Following Information: Lat / Long, Estimated Number of Gallons and a Map Detailing The Area. Approved Dipsites only				Sunrise 541		Startup 612		Cutoff 2014		Sunset 2044		Operational Period - Date		Operational Period - Time	
Helibase Information Name LAVA Latitude 41° 15.87' Longitude 122° 16.34' Name SISKIYOU Latitude 41° 46.16' Longitude 122° 28.64' (use page 2 if needed)				Helibase Information Name LAVA Latitude 41° 15.87' Longitude 122° 16.34' Name SISKIYOU Latitude 41° 46.16' Longitude 122° 28.64' (use page 2 if needed)		TFR Information Request # A- Radius: POLYGON NM Altitude: 12000' MSL Lat Long Centerpoint: NOTAMS: 1/3867 Frequency 120.025 http://tfr.faa.gov/tfr2/list.html		Rescue Ship Information Name Phone Make/Model AS-350-B3E Location Request Procedure for These Aircraft: See Medical Plan For Additional Info		Rescue Ship Information Name Phone Make/Model AS-350-B3E Location Request Procedure for These Aircraft: See Medical Plan For Additional Info		Operational Period - Date		Operational Period - Time	
FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #	TX	Tone	AM / FM	Position	Name	Phone	Trainee Name	Phone	
AIR TACTICS	1	S-64	LAVA	700	800		168.3375		FM	AOBD	Jason Nava	661-805-4750			
AIR / AIR Rotary Wing							124.0250		AM	ASGS (T)					
AIR / AIR - Briefing							120.0250		AM	HEBM	Lava BLAINE COYLE	209-459-9245			
AIR / GROUND - Command							167.9500		FM	HEBM					
AIR / GROUND - Tactical							169.1500		FM	ATGS					
COMMAND 1							170.9750	110.9 (1)	FM						
COMMAND 9							170.0125	110.9 (1)	FM						
COMMAND 29							171.5375	110.9 (1)	FM						
DECK-LAVA							163.1000		FM	HLCO	Bill Lampert	530-598-4128	Matt Dickson	599-202-9948	
DECK-SISKIYOU							168.3500		FM	HLCO					
CALCORD - MEDICAL							156.0750	156.7 (6)	FM	HLCO					
FAA Tower							120.2750		AM						
HELICOPTERS (Use page 2 if Needed)															
FAA #	Type	Make/Model	Helibase	Avail	Start	Remarks / A - #	TX	Tone	AM / FM	Position	Name	Phone	Trainee Name	Phone	
8AC	1	S-64	LAVA	700	800										
3TW	1	UH60	LAVA	700	800										
H506	2	205++	LAVA	700	800										
3JR	3	AS-350-B3E	LAVA	700	800	SHORTHAUL									
2JG	3	Bell L3	LAVA	700	800	HLCO									
FIXED WING (Use Page 2 if Needed)															
FAA #	Type	Make/Model	Base	Avail	Start	Remarks	FAA #	Type	Make/Model	Base	Avail	Start	Remarks		
Planned Missions (Includes: Water Dropping, Retardant, Recon, Rescue, Cargo, Personnel Transport, Air Attack, HLCO, etc.)															
Mission	Aircraft	Start Time	Departure Point	Destination	Instructions For Aircraft or Name of Personnel or Type of Cargo (if applicable)										
WATER DROPPING					AS REQUESTED										
RECON					AS REQUESTED										
RETARDANT					AS REQUESTED										
Notes:	WATER TENDERS ASSIGNED TO DIPSITE: E-25,E-26,E-30,E-239 CRASH RESCUE E-32 at Lava Helibase WATER TENDER assigned to Siskiyou Helibase: E-138 CRASH RESCUE E-205 at Siskiyou FIREWATCH ON MAINTENANCE PHASE FOR A FEW DAYS														

Incident:

Lava CA-SHF-000949

Date:

7-9-21 thru 7-10-21

Operational Period:

0600-0600



SAFETY MESSAGE

Fire fighter safety comes first on every fire, every time



Major Hazards and Risks:

- ❖ **Fireline Awareness:** – Don't forget to Look Up, Look Down, and Look Around. It is easy to fall into a routine and lose sight of all that is around us including hazard trees, lava rocks, fire activity, indirect fire line and unburned fuel between you and the fire line.
- ❖ **Ash Pit Hazards** – Stump holes are within the fire area. Use caution when using water to mop up and avoid straight streaming directly into the ash pit as scalding steam can suddenly erupt from the hole and burn you. While walking in the black watch for burned out stump holes.

Make Sure you have a plan in place

Lookouts

Communication

Escape Routes

Safety Zones

Aviation Awareness:

- Good communication with aircraft
- Approved Helispots known and ready
- No trash in Helispot landing areas
- Watch for rotor wash on tank or bucket drops
- Trained Longline Personnel for crew cargo
- Medical Emergency Hoist or Short Haul Operations Lat/Long
- Aerial Retardant stay clear and watch for rolling rocks, tree limbs and tops

Team Safety Officers: Doug McKelvey, John Nickey

INCIDENT SAFETY ANALYSIS 215a

Lava		July 9-10, 2021 0600-0600
8. Task	9. Hazard	13. Identify hazard mitigations & controls (press [alt + enter] to add a line)
Bucket Work	Aircraft Mishap - General	<ul style="list-style-type: none"> ~ Ensure positive communication with all air resources ~ Don't plan on air resources for medical transport or resupply ~ Follow "Aviation Watch-Out Situations" IRPG Pg 46 ~ Refer to "Directing Bucket or Retardant Drops IRPG Pg 58 ~ Refer to "Aerial Retardant Safety" IRPG Pg 57 ~ Refer to "Aircraft Mishap Response Procedure" IRPG Pg 62
Direct Line Construction - Hand tools/Saws	Lava Beds	<ul style="list-style-type: none"> ~ Slow down and be sure of your footing. ~ Wear gloves at all times ~ Flag verticle tubes and pass on info. ~ Be mindful of tire damage when driving through lava beds.
Transportation - Ground/Roads Maintenance	Equipment - Crushed by Heavy Equipment/Rollover	<ul style="list-style-type: none"> • When working around a dozer or tractor plow, stay at least 100 feet in front or 50 feet behind the equipment. • Allow no one but the operator to ride on the equipment. • Operators will wear required personal protective equipment (PPE) and carry a fire shelter. • Refer to Pg 86 of IRPG.
Line Construction All	MVA - Surface	<ul style="list-style-type: none"> ~ Use Road Graders with Water Tenders for repair. ~ Alternative route to limit over use. ~ Scout and communicate on road conditions prior to driving on over used forest roads. ~ Drive slow in poor road conditions. ~ When getting pulled out stay clear of cables and chains. Have a plan before getting pulled out.
Spike Camp	Medical - Patient Evacuation Delay	<ul style="list-style-type: none"> ~ Assure line Medics or EMT's are assigned to spike camps ~ Select air evac sites at or near spikes ~ Maintain crew supplies for mimumn of two days
Suppression Repair - Mechanical	Equipment - Crushed by Heavy Equipment/Rollover	<ul style="list-style-type: none"> • Ensure communications are established with operators • Make positive contact with operator before approaching. • Use hand signals if other communications are unavailable • Maintain a 50'-100' exclusion area around equipment • Use a spotter when backing qualified operators and appropriate overhead. • Close roads or trails if necessary for public safety. • PPE including hearing protection. • Maintain safe working distance from equipment
Line Construction All	Medical - Heat Related Illness	<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.

INCIDENT SAFETY ANALYSIS 215a

All Incident Operational Tasks	MVA - Other Vehicles	<ul style="list-style-type: none"> • Drive with lights on. • Do not use cell phone while driving. Slow down in smoke and congested areas. • Look both ways on Hwy 97. Expect traffic to be traveling fast. • Slow down at night - expect animals in the road. • Use spotter for backing. • Wash windshield. • Utilize spike camps to reduce driving
Direct Line Construction - Hand tools/Saws	Hit by Rolling Material in Steep Terrain	<ul style="list-style-type: none"> ~ Have a lookout in place for rolling material ~ Place crewmembers in a staggered pattern to avoid moving debris on fire personnel
Line Construction All	Entrapment - Rapid Change in Fire Behavior	<ul style="list-style-type: none"> • Utilized full PPE in fire area at all times • Implement LCES plan that accounts for extreme conditions. • Disengage at first sight of trouble and reassess. • Monitor Wx hourly and communicate findings to all. • Identify or construct safety zones adequate for personnel assigned to the area.
Spike Camp	Hostile Wildlife	<ul style="list-style-type: none"> ~ Watch out for wildlife & livestock inside fire area and along roadways. ~ Clean up all debris and trash during each operational period
Line Construction All	Hit by Tree/Snag/Branch	<ul style="list-style-type: none"> ~ Follow "Hazard Tree Safety" guidelines, IRPG page 22-23. ~ Post lookouts or use a spotter in mop-up areas that have hazard trees. ~ Don't park vehicles or take breaks in high concentrations of hazard trees. ~ Establish trigger points for disengagement during high wind events. ~ Maintain a hazard zone of a minimum of 2 1/2 tree heights. ~ Perform a risk assessment before entering area and ask why and is the gain worth the risk.
Patrol/Secure Fires Edge/Mop-up	Marijuana Grows/Criminally Active Area	<ul style="list-style-type: none"> • Do not enter areas unless there is a law enforcement presence. • Be aware of the presence of toxic chemicals. • Local criminal elements and organized crime can be involved in the organization. • Anti-Personnel Devices (APD) may be present.
Line Construction All	Railway Activity	<ul style="list-style-type: none"> • Post a lookout when working on or near tracks • Only spend as much time on or crossing tracks as absolutely necessary. • Look up and down tracks at crossings.

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205) Incident Name: **LAVA** Date/Time Prepared: **7/08/2021 1800** Operational Period Date/Time: **7/09/2021 0600 - 7/10/2021 0600**

Utilization of any frequency other than those listed on this form are prohibited, subject to fines by the FCC and demobilization from the incident.

Zn Ch	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Dev	Mode A, D or M	Remarks
1	COMMAND	SHFR	SHASTA FOREST	171.5750	CSQ	165.0125	Tone 15 162.2	N	A	BACK-UP, I/A ONLY
2	COMMAND	NIFC C1	ALL DIVS	170.9750	Tone 1 110.9	168.7000	Tone 1 110.9	N	A	WEED
3	COMMAND	NIFC C9	ALL DIVS	170.0125	Tone 1 110.9	165.2500	Tone 1 110.9	N	A	ANTELOPE
4	COMMAND	NIFC C29	ALL DIVS	171.5375	Tone 1 110.9	164.8625	Tone 1 110.9	N	A	HERD PEAK
5	TACTICAL	NIFC TAC 2	I/A ONLY	168.2000	CSQ	168.2000	NONE	N	A	I/A ONLY
6	TACTICAL	NIFC TAC 1	DIV A / E	168.0500	Tone 1 110.9	168.0500	Tone 1 110.9	N	A	BRANCH I
7	TACTICAL	NIFC TAC 3	ROADS GROUP	168.6000	Tone 1 110.9	168.6000	Tone 1 110.9	N	A	BRANCH I
8	TACTICAL	NIFC TAC 5	DIV N/P/R	166.7250	Tone 1 110.9	166.7250	Tone 1 110.9	N	A	BRANCH III
9	TACTICAL	NIFC TAC 6	AVAILABLE	166.7750	Tone 1 110.9	166.7750	Tone 1 110.9	N	A	BRANCH III
10	TACTICAL	NIFC TAC 7	AVAILABLE	168.2500	Tone 1 110.9	168.2500	Tone 1 110.9	N	A	BRANCH III
11	TACTICAL	CDF TAC 24	DIV T / Z	151.3325	Tone 16 192.8	151.3325	Tone 16 192.8	N	A	BRANCH V
12	TACTICAL	CDF TAC 25	AVAILABLE	159.2775	Tone 16 192.8	159.2775	Tone 16 192.8	N	A	BRANCH III
13	Air-to-Ground	A/G TAC	ALL DIVS	169.1500	CSQ	169.1500	NONE	N	A	
14	Air-to-Ground	A/G CMD	ALL DIVS	167.9500	CSQ	167.9500	NONE	N	A	INCIDENT WIDE
15	TACTICAL	CALCORD	ALL DIVS	156.0750	Tone 6 156.7	156.0750	Tone 6 156.7	N	A	MEDICAL
16	EMERGENCY	AIR GUARD	EMERGENCY	168.6250	CSQ	168.6250	Tone 1 110.9	N	A	EMERGENCY ONLY

Prepared By (Communications Unit Leader): *Scott La Rue and Jeff Carter* Incident Location: WEEED Forest / Unit / Jurisdiction: SHASTA NF County: Siskiyou State: CA Latitude: " N Longitude: W

The convention calls for frequency lists to show four digits after the decimal place (five digits for 700 MHz frequencies). The letter "U", "N", or "W" in the deviation (Dev) column reflects whether the frequency is ultranarrow (6.25 kHz), narrow (12.5 kHz) or wide band (25 kHz). Mode refers to either "A" indicating Analog, "D" indicating Digital (e.g. Project 25) or "M" indicating Mixed Mode. All channels are shown as if programmed in a control station, mobile or portable radio. Repeaters (and depending on use, base stations) must be programmed with the Rx and Tx reversed.

07/09/2021

TENTATIVE RELEASE

LAVA US-CA-SHF-000949

CREWS

C-4	0700	(HC1)	ELK MT IHC
C-5	0715	(HC1)	TAHOE IHC
C-6	0730	(HC1)	SALMON RIVER IHC
C-30	0800	(HC2I)	DIAMOND FIRE NCC 16
C-31	0815	(HC2I)	FIRESTORM NCC-17
C-33	0815	(HC2I)	FIRESTORM NCC-19
C-46	0845	(HC2I)	PATRICK ENVIRONMENTAL
C-62	0900	(HC2)	175 - PACIFIC COAST
C-65	0915	(HC2)	045 - FIRST STRIKE

EQUIPMENT

E-46	0700	(ENG3)	SHF E 313
E-51	0715	(ENG3)	SHF E 321
E-64	0730	(ENG6)	IMPERIAL FORESTRY
E-65	0745	(ENG6)	GRAYBACK FORESTRY E-1
E-67	0800	(ENG6)	EARTH INDUSTRIES
E-73	0815	(ENG3)	SNF 314
E-57	0845	(DOZ2)	ENF 3
E-58	0900	(DOZ2)	NORTHSTATE
E-69	0915	(DOZ2)	T&S DUBE
E-88	0930	(DOZ2)	STONY CREEK
E-118	0945	(DOZ2)	SPRATT EXCAVATING
E-121	1000	(DOZ3)	LONE STAR ENTERPRISES
E-122	1015	(DOZ3)	CATTANEO ANGELO
E-286	1030	(EXCA)	MISC - EXCAVATOR, T2 -
E-288	1045	(EXCA)	MISC - EXCAVATOR, T2 -

07/08/2021

20:57:06

Revision Date: 12/19/2011

07/09/2021

TENTATIVE RELEASE

LAVA US-CA-SHF-000949

E-7	1100	(WTT2)	LNF 3
E-28	1115	(WTS3)	ALAN'S WATER TRUCK
E-29	1130	(WTS3)	COTTONWOOD EQUIPMENT
E-85	1145	(WTS2)	TENDER, WATER (SUPPORT) -
E-49	1200	(RES)	MOUNTAIN MEDICS AMBU
E-137	1215	(TRLR)	MOUNTAIN MEDICS SUPPORT

OVERHEAD

O-173	0600	(HRSP)	SUMMY, JANINE ANDREA
O-2	0700	(WFM2)	GRASS LAKE KNF
O-39	0715	(DIVS)	MATA, ABEL
O-222	0730	(DIVS)	DUNCAN, JONATHAN
O-41	0745	(HEQB)	LARGE, TYSON
O-40	0800	(HEQB)	FABBRI, BRIAN
O-357	0815	(HEQB)	SEWELL, REESE A
O-10001	1800	(FACL)	SIMPSON, EDWIN

**Lava Fire
Human Resource Message
July 9, 2021**

The following are some tips for a intentional, safe transition home from fire line life.

- Your first evening at home, start a roaring fire in the fireplace, turn off all the lights, and read a comic book by flashlight. Partially shut the flue damper and have a little smoke back up into the house, enough that it stings your eyes a little bit.
- When it's time for bed, turn on all the lights in your room. Leave them on all night. Sprinkle some dirt and pine needles on your sheets. Put some rocks and your dirty socks beneath your pillow. When you get into bed, be sure you've still got your boots or shoes on. Wear the same clothes you've had on all day. If your bed is too comfortable, sleep in an old, dirty sleeping bag near the fireplace and/or as close to the kitchen as possible.
- Have a friend come over, have him use a bullhorn outside your bedroom all night, using phrases such as "will the crew boss from San Carlos #6 report to plans," "ground support report to the Logistics Chief immediately," and the perfunctory "Ops Chief to Communications ASAP." Have him blow into the bullhorn at least two times before making each announcement.
- Have a couple of people who don't know you and have not been in your house before, wander in between 2 and 3 a.m. with huge red packs, pull out their sleeping bags, and sleep on the floor. Have them leave a radio on, switched on to one of the incident's tac channels all night.
- Lock the bathroom door. Arrange to have a porta-potty placed in your driveway. Have it delivered full, after being used by at least a couple of hundred people. Make sure the latch on the door doesn't work. Have someone open the door a couple times while you are using it. Make sure the porta-potty is placed somewhere very dark, and forget to bring your flashlight when you use it.
- Ask the person who delivers your paper to honk the car horn for you as early as possible – preferably around 4 a.m.
- Acquire a taste for half melted 'energy bars', made mostly from sawdust.
- Wear a stuffed backpack all day at work; if it is too comfortable, put some rocks in it.
- At lunch time, take your sandwich outside in drop it in a flower bed. Retrieve it and stand beside a full garbage can while you eat it. Wash it down with a drink that's been in the car trunk all morning.
- Several times during the day, hit yourself in the shins with a hammer.
- During the day take a break by lying down in the dirt outside, if it is too comfortable, lay on a few rocks. Use your hard hat as a pillow by putting it in the crook of your neck, below the back of your head. It is preferable if you find a steep slope in the sun to lie down, steep enough that you have to plant your feet on some downhill boulders to keep from slipping down the slope.

Janine Summy, Human Resource Specialist, 509-429-1206

"Camaraderie doesn't happen by accident; developing a strong sense of trust, accountability, and togetherness around team goals requires intentional effort." -Don Yaeger-

Training Specialist - Lava Fire

The Training Specialist is working remotely. Training Specialist Contact Information:

- Bob Rivelle
- Call/Text: 707.498.1761 (Available daily between 0600 and 2200)
- Email: robert_rivelle@nps.gov

How to register as a Trainee:

1. Use the QR code below. If you're unable to register using the QR code, please call me anytime at 707.498.1761.
2. Once registered, you will receive text and email updates.

How to close-out your training assignment:

1. **Trainer:** Complete and Evaluation Record in the back of the Position Task Book and make as many entries as possible within the individual tasks. Discuss this with your Trainee.
2. **Trainer:** Complete an individual performance rating (ICS 225) and go over the performance rating with your Trainee.
3. **Trainee:** Text or email a photo of your individual performance rating (ICS 225) to the Training Specialist.
4. **Trainee:** Complete the exit questions at the QR code below.
5. **Trainee:** Once 1-4 are completed, the Trainee and the Training Specialist will have a brief conversation to discuss the Task Book and assignment.
6. **Done**, except for safe travels home!

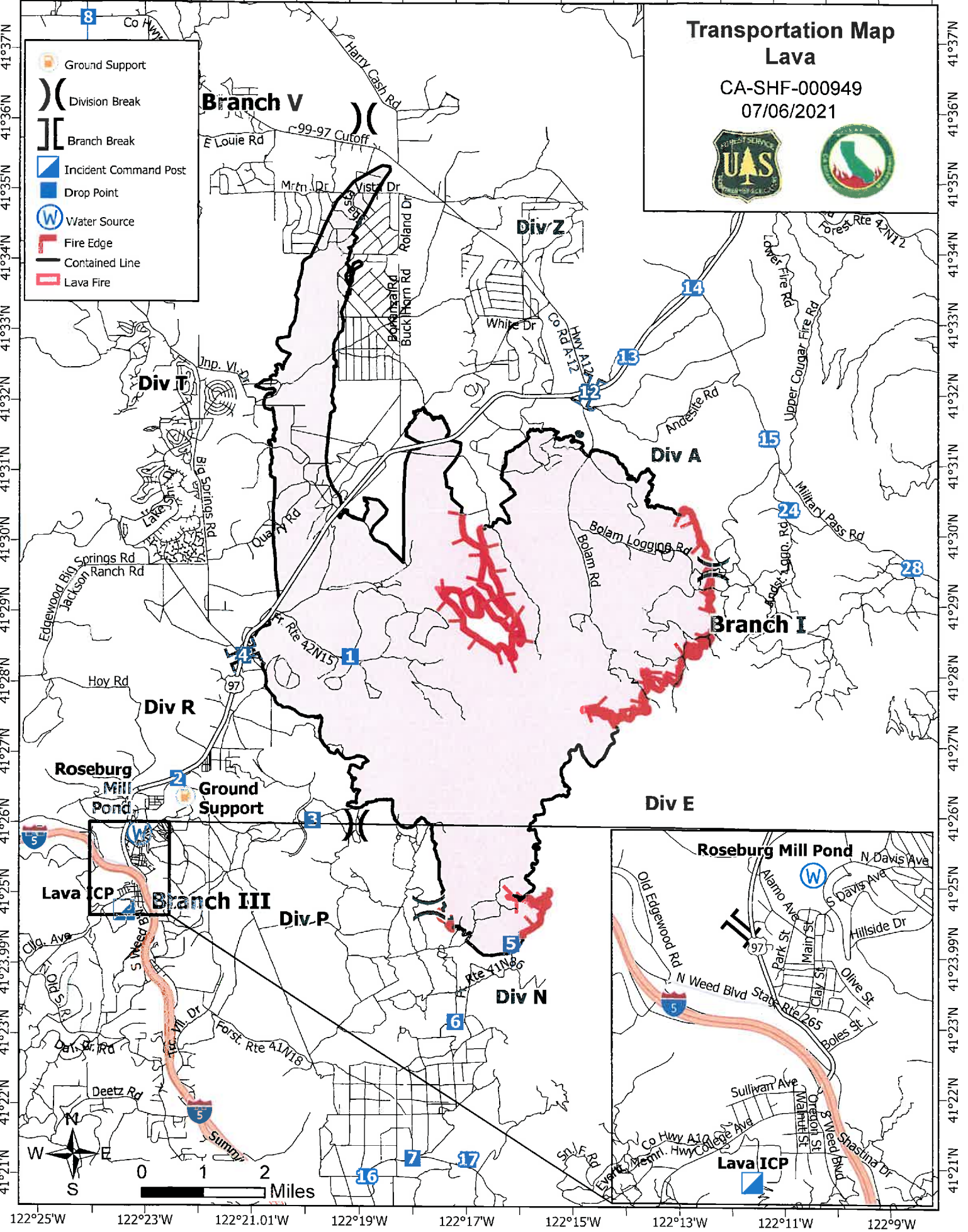
Trainee Registration QR Code



Trainee Exit Questions



122°25'W 122°23'W 122°21.01'W 122°19'W 122°17'W 122°15'W 122°13'W 122°11'W 122°9'W 122°8'W



Transportation Map Lava

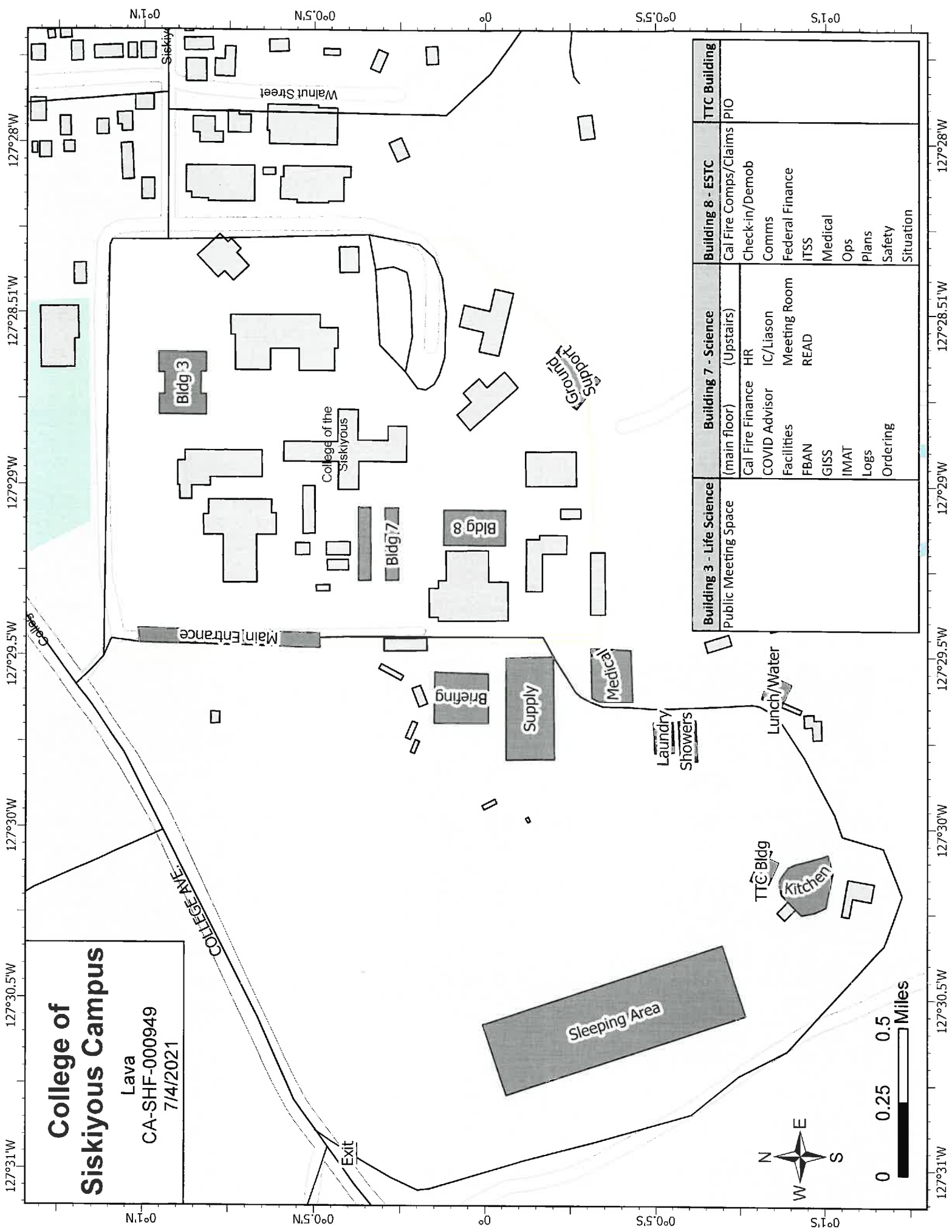
CA-SHF-000949
07/06/2021



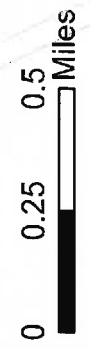
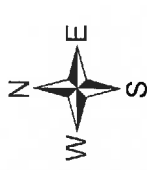
- Ground Support
- Division Break
- Branch Break
- Incident Command Post
- Drop Point
- Water Source
- Fire Edge
- Contained Line
- Lava Fire

41°37'N
41°36'N
41°35'N
41°34'N
41°33'N
41°32'N
41°31'N
41°30'N
41°29'N
41°28'N
41°27'N
41°26'N
41°25'N
41°23.99'N
41°23'N
41°22'N
41°21'N

122°25'W 122°23'W 122°21.01'W 122°19'W 122°17'W 122°15'W 122°13'W 122°11'W 122°9'W



College of Siskiyou Campus
 Lava
 CA-SHF-000949
 7/4/2021



Building 3 - Life Science	Building 7 - Science	Building 8 - ESTC	TTC Building
Public Meeting Space	(main floor)	Cal Fire Comps/Claims	PIO
	Cal Fire Finance	Check-in/Demob	
	COVID Advisor	Comms	
	Facilities	Federal Finance	
	FBAN	ITSS	
	GISS	Medical	
	IMAT	Ops	
	Logs	Plans	
	Ordering	Safety	
		Situation	



N.T.0 00.5'0.0 00 00.5'0.0 S.T.0

N.T.0 00.5'0.0 00 00.5'0.0 S.T.0

127°31'W 127°30.5'W 127°30'W 127°29.5'W 127°29'W 127°28.51'W 127°28'W

127°31'W 127°30.5'W 127°30'W 127°29.5'W 127°29'W 127°28.51'W 127°28'W

MEDICAL PLAN (ICS 206 WF) CIIMT 1

1. Incident Name				2. Operational Period			
Lava Fire				Date/Time: 07/09/2021 24 Hours 0600-0600			
3. EMS / Ambulance Services							
Name	Location	Contact Method	Advanced Life Support (ALS) Yes No				
Mountain Medics	ICP Day	Walk Up 530-605-5205	XX				
Medic 3	DP 14 Day	Contact on Command	XX				
REMS 1	Reference 204 for REMS Location	Contact on Command	XX				
Mt. Shasta Ambulance	1020 Oak St. Mt. Shasta, CA 96067	530-842-7066	XX				
4. Air Rescue / Air Ambulance Services							
Name	Contact	Type of Aircraft & Capability					
Helicopter 3JR	Lava Helibase	Type 3, BLS, Short Haul (Day Only)					
CHP H14 / H16	Redding 530-226-2400	Type 3, ALS, Hoist (Day Only)					
PHI Air Medical	Redding 530-226-2400	Type 3 Air Ambulance, ALS					
Reach 5	Redding 530-226-2400	Type 3 Air Ambulance, ALS					
5. Hospitals (all times estimated from incident location)							
Name & Level	GPS Datum – WGS 84 Degrees Decimal Minutes		Travel Time Air Ground		Phone	Helipad Yes No	Address
Mercy Mt. Shasta Medical Center	Lat:	N 41° 19.117'	5 Mins	20 Min s	ER 530-926-9360	XX	914 Pine St. Mt. Shasta, CA
	Long:	W 122° 19.203'					
Fairchild Medical Center	Lat:	N 41° 43.164'	10 Mins	30 Min s	ER 530-841-6292	XX	444 Bruce St. Yreka, CA
	Long:	W 122° 38.741'					
Mercy Medical Center Level 2 Trauma STEMI / Stroke	Lat:	N 40°34.33	20 Mins	1.25 Hrs	ER 530-225-7201	XX	2175 Rosaline Ave. Redding, CA
	Long:	W 122°23.80					
Shasta Regional Medical Center	Lat:	N 40°35.160	20 Mins	1.25 Hrs	ER 530-244-5353	XX	1100 Butte St. Redding, CA
	Long:	W 122°23.262					
UC Davis Medical Center Level I Trauma / Burn	Lat:	N 38°33.293	1.75 Hrs	3.5 Hrs	ER 916-734-3790 Burn 916-734-3636	XX	2315 Stockton Blvd. Sacramento, CA
	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
Brian Wisler MEDL 209-620-0660 Rodd Mascis MEDL 909-630-3969			07/08/2021 1900		Doug McKelvey SOF1 510-453-3817 John Nickey SOF1 530-310-3537		07/08/2021 1900
							

MEDICAL PLAN (ICS 206 WF) CIIMT 1

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 IMT COMMUNICATIONS/DISPATCH.					
Use the following items to communicate situation to communications/dispatch.					
1. CONTACT COMMUNICATIONS / DISPATCH (Verify correct frequency prior to starting report) <i>Ex: "Communications, Div. Alpha. Stand-by for Emergency Traffic."</i>					
2. INCIDENT STATUS: Provide incident summary (including number of patients) and command structure. <i>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, IC is TFLD Jones. EMT Smith is providing medical care."</i>					
Severity of Emergency / Transport Priority	<input type="checkbox"/> RED / PRIORITY 1 Life or limb threatening injury or illness. Evacuation need is IMMEDIATE <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° – 3° 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, 2° – 3° 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			<i>Brief Summary of Injury or Illness (Ex: Unconscious, Struck by Falling Tree)</i>		
Transport Request			<i>Air Ambulance / Short Haul/Hoist Ground Ambulance / Other</i>		
Patient Location			<i>Descriptive Location & Lat. / Long. (WGS84)</i>		
Incident Name			<i>Geographic Name + "Medical" (Ex: Trout Meadow Medical)</i>		
On-Scene Incident Commander			<i>Name of on-scene IC of Incident within an Incident (Ex: TFLD Jones)</i>		
Patient Care			<i>Name of Care Provider (Ex: EMT Smith)</i>		
3. INITIAL PATIENT ASSESSMENT: Complete this section for each patient as applicable (start with the most severe patient)					
Patient Assessment: See IRPG PAGE 106					
Treatment:					
4. TRANSPORT PLAN:					
Evacuation Location (if different): (Descriptive Location (drop point, intersection, etc.) or Lat. / Long.) Patient's ETA to Evacuation Location:					
Helispot / Extraction Site Size and Hazards:					
5. ADDITIONAL RESOURCES / EQUIPMENT NEEDS:					
<i>Example: Paramedic/EMT, Crews, Immobilization Devices, AED, Oxygen, Trauma Bag, IV/Fluid(s), Splints, Rope rescue, Wheeled litter, HAZMAT, Extrication</i>					
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, et c.					
REMEMBER: Confirm ETA's of resources ordered. Act according to your level of training. Be Alert. Keep Calm. Think Clearly. Act Decisively.					