INCIDENT ACTION PLAN

PALISADES

CA-LFD-001448

Monday

OPERATIONAL PERIOD

5/17/2021 0700

to

5/18/2021 0700

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name:	2. Operational Period:	Date From:	5/17/2021	Date To:	5/18/2021
PALISADES		Time From:	0700	Time To:	0700

3. Objective(s):

Management Objectives

- Provide for emergency personnel and public safety at all times.
- Ensure COVID-19 precautions and best practices are met at all times.
- Protect property, improvements, and infrastructure.
- Ensure coordinated, timely and accurate release of public information.
- Foster and maintain relationships with all cooperators and stakeholders.
- Protect economic, natural, cultural and heritage resources.

Control Objectives

- Keep the fire North of Palisades Drive
- Keep the fire South of Muholland Drive
- Keep the fire East of Topanga Canyon Road
- Keep the fire West of Rogers Road Trail / Backbone Trail

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 particulary 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

☑	ICS 203	☐	ICS 215A	☐	ICS 205 A	☐	
☑	ICS 204	☐	ICS 220	☐	Training Message	☐	
☑	ICS 205	☐	Facility Maps	☐	Travel Map	☐	
☑	ICS 206	☑	Weather Forecast	☐	Demob Plan	☐	County Health Message
☑	ICS 208	☐	Fire Behavior	☑	Finance Message	☑	ICS 214

7. Prepared By: Dave Perez / Adam Uehara **Position/Title:** PSC **Signature:**

8. Approved by Incident Commander: Jesse Vela / Corey Rose **Signature:**

Spot Forecast for Palisades Fire...CNTY LAC
National Weather Service Los Angeles/Oxnard CA
1101 AM PDT Sun May 16 2021

Forecast is based on forecast start time of 0600 PDT on May 17.
If conditions become unrepresentative...contact the National Weather Service.

.DISCUSSION...Moderate onshore flow will continue through Tuesday, maintaining a deep marine layer over the area. There will be the possibility of some patchy drizzle over the fire Monday morning. Temperatures will remain cool on Monday, but will warm a few degrees on Tuesday. Relative humidity will drop to moderate levels during the afternoon hours, with excellent recovery expected overnight. Typical onshore winds will prevail through Tuesday with gusts around 15 mph expected during the afternoon and evening hours.

.MONDAY...

Sky/weather.....Cloudy then becoming mostly sunny. Patchy drizzle in the morning.
Max temperature.....63-67.
Min humidity.....55-60 percent.
Eye level winds.....Variable/upslope 1-3 mph becoming south to southwest 3-5 mph with gusts to 8 mph in the afternoon.
Wind (20 ft).....
 Slope/valley.....Variable/upslope 3-6 mph becoming south to southwest 5-10 mph with gusts to 15 mph in the afternoon.
 Ridgetop.....Variable 3-6 mph becoming southwest 5-10 mph with gusts to 15 mph in the afternoon.
Mixing height.....3000-3500 ft AGL.
Transport winds.....South 5-10 mph.

.MONDAY NIGHT...

Sky/weather.....Mostly cloudy. Patchy fog.
Min temperature.....48-53.
Max humidity.....90-100 percent.
Eye level winds.....South to southwest 3-5 mph with gusts to 8 mph early becoming downslope/downvalley 1-2 mph.
Wind (20 ft).....
 Slope/valley.....South to southwest 5-10 mph with gusts to 15 mph early becoming downslope/downvalley 2-5 mph.
 Ridgetop.....Southwest 5-10 mph with gusts to 15 mph in the evening becoming variable 3-6 mph.
Mixing height.....2000-2500 ft AGL.
Transport winds.....South 5 mph.

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name:	2. Operational Period: Date From:	5/17/2021	Date To:	5/18/2021
PALISADES	Time From:	0700	Time To:	0700

3. Incident Commander(s) and Command Staff:	
IC/UC's	Jesse Vela , Corey Rose
Deputy	
Safety Officer	Justin Voyson
Information Officer	Ron Haralson
Liaison Officer	Fernando Boiteux

4. Agency/Organization Representatives:	
Agency/Organization	Name
CAL FIRE	Patrick Aguada
LFD	Rob Caropino
LAC	Vince Pena
LAPD	Brian Espin
LASD	Bob Garcia
CHP	Officer Relles
CA Parks	Dave West, Tejado, Araujo
MRCA	Kenny Nelson
Red Cross	Benjamin Rapport, Bernie Nazari
LACO OEM	Luiz Valdez
City of Calabasas	Kindon Meik
LA CO Animal Control	Lisa Eldridge, Maridiaga
Cal Trans	Steve Valdez
Cal OES	John Salvate

5. Planning Section:	
Chief	Dave Perez / Adam Uehara
Deputy	Eric Talamantes
Resource Unit	Jackie Switzler, Justin Bactat (t)
Situation Unit	John Hamer, Jay Sartors (t)
Status Check In	Patrick O'Neill
Demobilization Unit	
GISS	Ed Lamas, Megan Yanez
FBAN	
IMET	
Training Tech Spec	
ITSS	Jose Gonsolas

6. Logistics Section	
Chief	Rich Moody, Scott Gardner
Deputy Logs	
Base Camp Manager	Daniel Sanchez
Ground Support Unit	
Communications Unit	Olson, McClung, Enriquez
Medical Unit	Raice Wiklas
Ordering	Juan Quevas

7. Operation Section:		
Operations	Al Ward	
Planning Ops	Raymon Mitchison	
Night Ops		
Staging Area		
Branch		
Division/Group	A/M	Kristian Litz / Danny Garcia (t)
Division/Group	Z	Chris Rash / Ed Smith (t)
Division/Group	Contingency	Rich Diede
Division/Group		
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Air Operations Branch		**Director:**
Air Support Group Supervisor		
Air Tactical Group Supervisor		
Helibase Manager		

8. Finance/Administration Section:	
Chief	Tammy Hasert /Muriel Jones
Time Unit	
Procurement Unit	
Comp/Claims Unit	
Cost Unit	

Prepared By: Name: Dave Perez / Adam **Position/Title:** PSC **Signature:**

ICS 203 **Date/Time:** 5/16/2021 2300 hours

NIMS IAP

ASSIGNMENT LIST (ICS 204 WF)

1. Incident Name:	2. Operational Period:				3. Branch	Division
PALISADES	Date From:	05/17/21	Date To:	05/18/21		A/M
	Time From:	0700	Time To:	0700	Page 1 of 1	Alpha/Mike

4. Operations Personnel:

Operations Section Chief:	Al Ward	Night Ops:	
Branch Director:		Branch Safety:	
Division/Group Supervisor:	Kristian Litz / Danny Garcia (t) 24 hrs	Air Attack:	

5. Resources Assigned:

Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
Crew T1 LAC 2			Rob Morales	23	C-13		Palisades ICP
Crew T1 LAC 8			John Garza	21	C-		Palisades ICP
Crew T1 LAC 9			Lance Ane	23	C-15		Palisades ICP
Crew T2IA Pilot Rock 3			Peterson	16	C-9		Palisades ICP
Crew T2IA Pilot Rock 5			Juarez	14	C-10		Palisades ICP
ENG 1 S/T LFD 1001A			Miller	22			Palisades ICP
LAC 1151C			Leland Delaney	22			Palisades ICP
LFD WT 88			Vinyard	2			Palisades ICP

6. Work Assignments:

Improve direct fire line. Mop up 300' in from control line.
Assess need for contingency lines.

7. Special Instructions:

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V-4	1	COMMAND	152.5700	151.4	157.8300	151.4	
VFIRE 24	4	TACTICAL	154.2725	156.7	154.2725	156.7	
LFD A/G	14	AIR TO GRND	154.8300	100.0	154.8300	100.0	
AIR GUARD	16	EMERGENCY	168.6250	CSQ	168.6250	110.9 (T1)	

9. Prepared by: Name: Jackie Switzler RESL

Signature:_____

ICS 204 Date/Time: 5/16/2021 2200 Personnel Count: 120

ASSIGNMENT LIST (ICS 204 WF)

1. Incident Name:	2. Operational Period:				3. Branch	Division
PALISADES	Date From:	05/17/21	Date To:	05/18/21		Z
	Time From:	0700	Time To:	0700	Page 1 of 1	Zulu

4. Operations Personnel:

Operations Section Chief:	Al Ward	Night Ops:	
Branch Director:		Branch Safety:	
Division/Group Supervisor:	Chris Rash / Ed Smith (t)	Air Attack:	

5. Resources Assigned:

Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
ANF IHC				22			Palisades ICP
Crew T1 LAC 12			Chris Hanson	4	C-14		Palisades ICP
Crew T2 IA Dalton			Ignacio Pizano	19	C-17		Palisades ICP
Crew T2 LFD 3				12			Palisades ICP
ENG 1 S/T LFD 1003A			Kilpatrick	22			Palisades ICP
ENG 1 S/T LFD 1005A			Everett	22			Palisades ICP
ENG 3 S/T ANF 1604C							Palisades ICP
LFD WT 77			Jones	2			Palisades ICP

6. Work Assignments:

Improve direct fire line. Mop up 300' in from control line.
Assess need for contingency lines.

7. Special Instructions:

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V-4	1	COMMAND	152.5700	151.4	158.8300	151.4	
LARTCS-3V	2	COMMAND	159.1800	100.0	155.5200	100.0	
VFIRE 25	4	TACTICAL	154.2875	156.7	154.2875	156.7	
LFD A/G	14	AIR TO GRND	154.8300	100.0	154.8300	100.0	
AIR GUARD	16	EMERGENCY	168.6250	CSQ	168.6250	110.9 (T1)	

9. Prepared by: Name: Jackie Switzler RESL

Signature: _____

ICS 204 Date/Time: 5/16/2021 2200 Personnel Count: 103

ASSIGNMENT LIST (ICS 204 WF)

1. Incident Name:	2. Operational Period:				3. Branch	Division
PALISADES	Date From:	05/17/21	Date To:	05/18/21		Contingency
	Time From:	0700	Time To:	0700	Page 1 of 1	

4. Operations Personnel:

Operations Section Chief:	Al Ward	Night Ops:	
Branch Director:		Branch Safety:	
Division/Group Supervisor:	Rich Diede	Air Attack:	

5. Resources Assigned:

Resource Identifier	ALS	LWD	Leader	Personnel	Request #	Hours	Reporting Location
Doz 58				2			DP-9
Doz 12				2			DP-9
Doz 45				2			DP-9
Motorgrade LFD				2			DP-9
READ David West			David West	1			DP-9

6. Work Assignments:

7. Special Instructions:

Reference California State Parks MIST Guidelines provided in IAP map packet.

Please leave cultural resources in place.

8. Communications

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
LAC V-4	1	COMMAND	152.5700	151.4	157.8300	151.4	
VFIRE 26	7	TACTICAL	154.3025	156.7	154.3025	156.7	
LFD A/G	14	AIR TO GROUND	154.8300	100.0	154.8300	100.0	
AIR GUARD	16	EMERGENCY	168.6250	CSQ	168.6250	110.9 (T1)	

9. Prepared by: Name: Jackie Switzler RESL

Signature: _____

ICS 204 Date/Time: 5/16/2021 2200 Personnel Count: 9

INCIDENT RADIO COMMUNICATIONS PLAN	Incident Name	Date/Time Prepared	Operational Period Date/Time
	Palisades	**05/16/2021 1900**	**05/17/2021 0700-0700**

CH	Function	Channel Name/Trunked Talkgroup	Assignment	RX Freq	RX Tone/NAC	TX Freq	Tx Tone/NAC	Dev	Pwr	Mode A, D, M	Remarks
1	COMMAND	LAC V-4	ALL DIVISIONS	152.5700	151.4	157.8300	151.4	N	H	A	TONE 14
2	COMMAND	LARTCS-3V	DIV Z	159.1800	100.0	155.5200	100.0	N	H	A	LINKED WITH LAC V-4 TONE 9
3	COMMAND		NOT ASSIGNED					N	H	A	
4	TACTICAL	VFIRE 24	DIV A/M	154.2725	156.7	154.2725	156.7	N	H	A	TONE 6
5	TACTICAL	VFIRE 25	DIV Z	154.2875	156.7	154.2875	156.7	N	H	A	TONE 6
7	TACTICAL	VFIRE 26	CONTINGENCY	154.3025	156.7	154.3025	156.7	N	H	A	TONE 6
8	TACTICAL							N	H	A	
9	TACTICAL							N	H	A	
10	TACTICAL							N	H	A	
11	TACTICAL							N	H	A	
12	TACTICAL							N	H	A	
13	TACTICAL							N	H	A	
14	AIR TO GROUND	LFD A/G	ALL DIVISIONS	154.8300	100.0	154.8300	100.0	N	H	A	Tone 9
15	AIR TO GROUND										
16/20	EMERGENCY	AIR GUARD	EMERGENCY	168.6250	CSQ	168.6250	110.9	N	L	A	Tone 1

Prepared By (Communications Unit Leader)	Incident Location		Will Rogers State Beach ICP			
MARTIN ENRIQUEZ, COML (626) 393-3053	County LA	State CA	Latitude	N	Longitude	W

All CHANNELS FOUND IN THE FOOTHILL MTZ PLAN (ZONE 7 FOR LFD RADIOS, ZONE 10 FOR LAC RADIOS)

MEDICAL PLAN (ICS 206)

1. Incident Name:	2. Operational Period:		
Palisades Fire		Date From: 05/17/2020 Time From: 07:00	Date To:05/18/2020 Time To: 07:00

3. Medical Aid Stations: MEDICAL UNIT LEADER: *(213) 604-1258* COMMUNICATIONS UNIT: *N/A*

Name	Location	Contact Number(s)/Frequency	Paramedics on Site?
CERT Trailer	BASE CAMP (COVID PPE Supplies)	(213) 604-1258	No
LAFD RA 71	Base Camp	(213) 435-5437	Yes

4. Transportation (indicate air or ground):

Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service
LAFD RA 71	Base Camp	Command	ALS
LAFD Fire 1	LAFD F.S. 114	Command	ALS

5. Hospitals:

Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/ Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
UCLA Santa Monica	1255 15th ST. Santa Monica CA 90404	(424) 259-8405	N/A	10 MIN	NO	NO	NO
St John's	2121 Santa Monica Blvd. Santa Monica CA 90404	(310) 315-6117	N/A	12 MIN	NO	NO	NO
UCLA Ronald Regan	757 Westwood Plaza. Los Angeles CA 90095	(310) 208-5387	7 MIN	20 MIN	YES LEVEL 1	YES	YES

6. Special Medical Emergency Procedures:

LINE EMERGENCY:

Crew Supervisor to contact Division Supervisor with patient complaint/condition, location, and resource needs.

- **Division Supervisor contacts and gives report on conditions, complaint/condition, and resource needs to:**
  1. **Nearest Line FEMT/FEMP**
  2. **Communications Unit**
- **Emergency or Priority traffic received: Communication Unit will clear the command channel for emergency traffic only, for the duration of the MAJOR IWI**
- **Communications Unit will make proper notifications**
- **OPERATIONS can declare a MAJOR IWI based on the report on conditions from the division supervisor**
- **Division Supervisor or designee will serve as point of contact (IWI SUPERVISOR) and run the emergency utilizing the COMMAND CHANNEL and CALCORD for the tac net during the IWI**

****ALL EMERGENCIES: Secure the area and identify witnesses for later investigation. Keep an accurate log of events****

BASE CAMP EMERGENCY:

CONTACT COMMUNICATIONS UNIT AT: 213-604-1258
report patient complaint/condition and location. Medical Staff will respond to stabilize incident

- **COMMUNICATIONS Unit contacts:**
  1. **Operations**
  2. **Medical**
  3. **Safety**
  4. **Logistics**

INJURY REPORTING PROCEDURES
CHIEF COMPLAINT_____
LOCATION OF PATIENT_____
TRANSPORT REQUEST BY: AIR___ GROUND__
DIVISION_____CREW_____
POINT OF PICKUP_____
LAT _____ LONG _____
IS EMT WITH THE PATIENT: YES _____ NO_____
AGE_____
SEX: MALE_____ FEMALE_____

*****START 20 MINUTE TIMER IF IWI*****

7. Prepared by (Medical Unit Leader): Name: RAICE WICKLAS Signature: _____

8. Approved by (Safety Officer): James Golondzinier Signature: _____

SAFETY MESSAGE/PLAN (ICS 208)

1. Incident Name:	2. Operational Period: Date From: 05/17/21 Time From: 0700	Date To: 05/18/21 Time To: 0700
PALISADES		

3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

DOWNHILL LINE CONSTRUCTION:

The fuel, topography, and fire conditions are creating frequent needs for downhill line construction. The heavy, tall fuels make seeing the main fire very difficult, making the posting of competent lookouts mandatory. Also, do not rely on air resources as part of your plan as resource scarcity and weather conditions reduce the number of available aircraft.

SITUATIONAL AWARENESS:

Become and remain aware of what is happening in your operational area and understand how information, events, and your actions will impact incident goals and objectives, both immediately and in the future.

Increase your situational awareness by asking these questions:
- What information is not known that needs to be known?
- Is the information I currently have valid or has it become outdated?
- Are there barriers such as excessive motivation, complacency, overload, fatigue, or poor communication?

COMPLACENCY:

Combat complacency by keeping crews mentally engaged, giving clear leader's intent, empowering your people, and conducting safety briefings.

DRIVING:

Slow down, be patient, and utilize defensive driving practices both on and off the pavement. Never block the road, utilize turnouts, park facing out whenever possible, and place chock blocks when parking vehicles.

Watch for numerous rocks and other debris on roadways; remove as necessary.

COMMUNICATION:

Know the Communication Plan and ensure all crew members are using the proper radio frequencies.

MAJOR HAZARDS AND RISKS:

• Steep Terrain	• Air Operations	• Falling Rocks
• Fatigue	• Heavy Equipment	• Night Operations
• Rollout/Spotfires	• Motorway Driving	• Complacency

4. Site Safety Plan Required? Yes ☐ No ☑
Approved Site Safety Plan(s) Located At: N/A

5. Prepared by: Name: Jim Golondzinier Position/Title: Safety Officer Signature: [signature]

ICS 208	IAP Page _____	Date/Time: 5/16/21 1745

LACOFD
FINANCE MESSAGE

- **ALL LA COUNTY FIRE RESOURCES ASSIGNED TO THE PALISADES INCIDENT ARE TO COMPLETE A FORM 662**

- **INCIDENT # CA-LFD-001448**

- **BACKFILLED EMPLOYEES MUST SUBMIT A 662 ALSO**

- **THE 662 MUST BE COMPLETED AND SUBMITTED TO THE LACOFD FINANCE SECTION DURING DEMOB**

****

INCIDENT ACTIVITY REPORT
FOR COST RECOVERY
TYPE OR PRINT LEGIBLY

Incident Name: (Sawtooth, Foothill, Select Call Staffing Pattern)	Incident #: (LAC06129855, ANF652006, BDU-007229)	Request #: (O-12, C-79, E-425)	Incident Assignment: (ST1190K, PSC1, ST1103A, DIVS)	Unit Responded To: (Address, Intersection, ICP, Staging, School/Park Name)
PALISADES INCIDENT	CA-LFD-001448			

Employee #:	Employee Name:		Employee Title/Rank: (BC, FFS, FF)	Unit ID: (WT73, E27, CC13-4)	Committed to Incident:		Returned to Quarters:		Incident Time:		Total Incident Hours:
	Last	First Initial			Date	Time	Date	Time	Regular Hrs	OT Hrs	
											-
											-
											-
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											-
											-

Vehicle/Equip Type: (CCV, Engine, PU, Sedan)	County Vehicle #:	Unit ID: (WT73, E27, CC13-4)	Vehicle License #:	Odometer Start:	Odometer End:	Vehicle/Equip Total Miles:	Vehicle/Equip Total Hours:
						-	
						-	
						-	
						-	
						-	
						-	
						-	

Describe Incident Activities/Additional Assignment Information:
(Structure Protection Group, Cut line East Flank, Sand Bagging, IMT1, Division B, Staging, Backfill, Water Drops)

Report Prepared By: _____

Signature: _____ Employee #: _____ Date: _____

Supervisory Approval By: _____

Signature: _____ Employee #: _____ Date: _____

Attach a copy of the signed/approved timecard, or IPFIRS Screen #17, for each reported employee that includes the incident time described above.
Send package ASAP to: Cost Recovery Unit - Financial Management Division

FORM 662 REV th 2/2021

California State Parks Angeles MIST Guidelines

Fire retardant

- Fire retardant drops should be 300 feet from streams, even if the stream is dry. Retardant contains phosphate that can kill fish and amphibians.
- Fire retardant should avoid sensitive plants and wildlife.

Bulldozers/contingency lines

- Contingency lines should be along existing fire roads.

Bulldozers should avoid:

- Archaeological sites
- Sensitive plant areas
- Streams
- Natural and cultural preserves, and state wilderness
- Staging areas, safety zones, helo landing zones
- Natural and cultural preserves, state wilderness areas, sensitive plant areas, and archaeological sites shall be avoided.

Fire Roads

- Existing fire roads should be a maximum of 20 feet wide, to allow vehicles to safely pass. If needed, turnouts can be created rather than widening the road.
- Check with READS about cultural or natural concerns on fire roads.

Trees

- Only cut down trees that are a hazard to firefighters working the line, or fire risk.
- Do not buck up trees into small logs.

High value structures

- Identify high value structures that may need additional protection: historic structures, locations of collections, administrative buildings:
- Will Rogers Ranch House and outbuildings
- Trippet Ranch Nature Center, maintenance/ranger offices and employee residence (all historic structures)
- Adamson House complex
- Tapia Park Archaeological Collections Facility
- Malibu Creek Visitor Center (Hunt House)
- Sycamore Nature Center (historic, with Caltrans maintenance station)

IMPLEMENTATION GUIDELINES

- Following is a list of considerations for each fire situation. (Text in parenthesis refers to the specific FMP Mitigation Measure (MM) referenced).
- Hot-Line/Ground Fuels
- Allow fire to burn to natural barriers.
- Allow fires to back into, around, or through wetlands and meadows to avoid suppression damage.
- Where wetlands are used as a natural boundary to help contain a fire, the control line will be sited outside the wetland area. Trample lines (rather than dug lines) may be used if it is necessary to site the control line in a wetland.
- Wetlands will be avoided to the greatest extent possible while constructing fire lines and breaks during wildfire suppression.
- Resource advisors will work through the Agency Representative to inform the IC to construct fire lines outside of the sensitive habitats and cultural sites to the greatest extent possible. If these areas must be used, wet lines should be used if water is available, and if not, narrow, hand-constructed lines should be considered
- Use cold-trail, wet line or combination when appropriate.

- If constructed fire line is necessary, use only width and depth to check fire spread.
- Burn out and use low impact tools like swatter or 'gunny' sack.
- Minimize bucking and cutting of trees to establish fire line; build line around logs when possible.
- Use alternative mechanized equipment such as excavators, rubber tired skidders, etc. rather than tracked vehicles. Use high pressure type sprayers to clean equipment prior to assigning equipment to the incident command in order to reduce the potential to spread noxious weeds.
- Constantly re-check cold trailed fire line.
- Limb vegetation adjacent to fire line only as needed to prevent additional fire spread.
- During fire line construction, cut shrubs or small trees only when necessary. Make all cuts flush with the ground.

Fire Management Plan

- Minimize felling of trees and snags unless they threaten the fire line or seriously endanger workers. In lieu of felling, identify hazard trees with a lookout or flagging.
- Scrape around tree bases near fire line if it is likely they will ignite.

Mop-up/Ground Fuels

- Do minimal spading; restrict spading to hot areas near fire line.
- Cold-trail charred logs near fire line; do minimal tool scarring.
- Minimize bucking of logs to extinguish fire or to check for hotspots; roll the logs instead if possible.
- Return logs to original position after checking and when ground is cool.
- Refrain from making bone yards; burned and partially burned fuels that were moved should be returned to a natural arrangement.
- Consider allowing large logs to burn out. Use a lever rather than bucking to manage large logs that have to be extinguished.
- Except in emergency situations, water drafting from park streams and creeks that support salmonids must be halted when water levels drop to a level that could result in disconnected pools of water in the channel. Any water pumping from salmonid streams will require measures to prevent injury to fish, such as using offstream sumps, restricting approach velocities to less than 0.8 foot per second, and screening at intake with openings no greater than 0.25 inch.
- Use gravity socks in stream sources and/or a combination of water blivits and fold-a-tanks to minimize impacts to streams.
- Consider using infrared detection devices along perimeter to reduce risk.
- Personnel should avoid using rehabilitated fire lines as travel corridors whenever possible because of potential soil compaction and possible detrimental impacts to rehab work, i.e. water bars.

Mop-up/Aerial Fuels

- Remove or limb only those fuels which if ignited have potential to spread fire outside the fire line.
- Before felling consider allowing ignited tree/snag to burn itself out. Ensure adequate safety measures are communicated if this option is chosen.
- Identify hazard trees with a lookout or flagging.
- If burning trees/snags pose a serious threat of spreading fire brands, extinguish the fire with water or dirt whenever possible.
- Align saw cuts to minimize visual impacts from more heavily traveled corridors. Slope cut away from line of sight when possible.

AVIATION MANAGEMENT

- One of the goals is to minimize the disturbance caused by air operations during an incident.
- Aviation Use Guidelines
    - Maximize back haul flights as much as possible.

- Use long line remote hook in lieu of constructed helispots for delivery or retrieval of supplies and gear.

- Take precautions to insure noxious weeds are not inadvertently spread
- through the deployment of cargo nets and other external loads.
  - Use natural openings for helispots and paracargo landing zones as far as practical. If construction is necessary, avoid high visitor use areas.
  - Consider maintenance of existing helispots over creating new sites.
  - Obtain specific instructions for appropriate helispot construction prior to the commencement of any ground work.
  - To the greatest extent possible, avoid operating aircraft below and within 500 feet of Malibu Lagoon.
  - Habitats of sensitive aquatic species, such as wetlands, streams should be avoided when saltwater is used.

Retardant, Foam and/or Saltwater Use

- During initial attack, fire managers must weigh the non-use of retardant with the
- probability of initial attack crews being able to successfully control or contain a
- wildfire. If it is determined that use of retardant may prevent a larger, more
- damaging wildfire, then the manager might consider retardant use even in
- sensitive areas. This decision must take into account all values at risk and the
- consequences of larger firefighting forces' impact on the land.
- • Consider impacts of water drops versus use of foam/retardant.

HAZARDOUS MATERIALS

- Flammable/Combustible Liquids
  - Store and dispense aircraft and equipment fuels in accordance with
- National Fire Protection Association (NFPA) and Health and Safety
- Handbook requirements.
  - Avoid spilling or leakage of oil or fuel, from sources such as portable
- pumps, into water sources or soils.
  - Store any liquid petroleum gas (propane) downhill and downwind from
- firecamps and away from ignition sources.
- Flammable Solids
  - Pick up residual fusees debris from the fire line and dispose of properly.
- Fire Retardant/Foaming Agents
  - Do not drop retardant or other suppressants near surface waters.
  - Use caution when operating pumps or engines with foaming agents to
- avoid contamination of water sources.

FIRE REHABILITATION

- Rehabilitation is a critical need. This need arises primarily because of the
- impacts associated with fire suppression and the logistics that support it. The
- process of constructing control lines, transport of personnel and materials,
- providing food and shelter for personnel, and other suppression activities has a
- significant impact on sensitive resources regardless of the mitigating measures
- used. Therefore, rehabilitation must be undertaken in a timely, professional
- manner.
- During implementation, the resource advisor should be available for expert
- advice and support of personnel doing this work as well as quality control.
- Rehabilitation Guidelines
  - Pick up and remove all flagging, garbage, litter, and equipment. Dispose
- of trash appropriately.
  - Clean fire pit of unburned materials and fill back in.

- Discourage use of newly established trails created during the suppression effort by covering with brush, limbs, small diameter poles, and rotten logs in a naturally appearing arrangement.
- Replace dug-out soil and/or duff and obliterate any berms created during the suppression effort.
- Resource Advisors will work through the Agency Representatives on advising the preferred techniques to use to prevent soil erosion and sedimentation of drainages. The standard for waterbar placement is presented below. Waterbar construction must be approved by the Park Resource Advisor prior to any construction as waterbars may not be the environmentally preferred solution to control erosion.

- Where soil has been exposed and compacted, such as in camps, on usertrails, at helispots and pump sites, scarify the top 2-4 inches and scatter with needles, twigs, rocks, and dead branches. Seed from sources other than the park will not be appropriate to use on barren areas, in order to maintain the genetic integrity of the area. It may be possible, depending on the time of year and/or possibility of a rainy period, to harvest and scatter nearby seed, or to transplant certain native vegetation.
- Blend campsites with natural surroundings, by filling in and covering latrine with soil, rocks, and other natural material. Naturalize campfire area by scattering ashes in nearby brush (after making sure any sparks are out) and returning site to a natural appearance.

- Leave tops of felled trees attached. This will appear more natural than scattering the debris.
- Consider – if no other alternatives are available -- helicopter sling loading rounds and tops from a disturbed site when there has been an excessive amount of bucking, limbing and topping.
- Tear out sumps or dams, where they have been used, and return site to natural condition. Replace any displaced rocks or streambed material that has been moved. Reclaim streambed to its predistrubed state, when appropriate.
- Walk through adjacent undisturbed area and take a look at your rehab efforts to determine your success at returning the area to as natural a state as possible

UNIT LOG CONT. (ICS 214)

1. Incident Name: PALISADES	**2. Operational Period:**	Date From:	5/17/21	Date To:	5/18/21
		Time From:	0700	Time To:	0700

6. Activity Log

TIME	MAJOR EVENTS

7. Prepared By: Date/Time:

NIMS IAP

UNIT LOG (ICS 214)

1. Incident Name:	2. Operational Period:	Date From:	5/17/21	Date To:	5/18/21
PALISADES		Time From:	0700	Time To:	0700

3. Unit Name/Designators	4. Unit Leader (Name and ICS Position)

5. Personnel Assigned/Designators

NAME	ICS POSITION	HOME BASE

6. Activity Log (Continue on Reverse)

TIME	MAJOR EVENTS

7. Prepared By: Date/Time:

NIMS IAP