

Mendocino Lake Complex

MEU CA 012169 (Redwood) LNU CA 010055 (Sulphur)

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

10/18/2017 0700

to

10/19/2017 0700

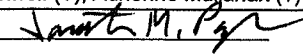


Briefing is broadcast on VTAC 14

INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: <p style="text-align: center;">Mendocino Lake Complex</p>	2. Operational Period:	Date From: 10/18/2017 Time From: 0700	Date To: 10/19/2017 Time To: 0700
3. Objective(s): <u>Management Objectives</u>			
-Provide for and maintain public and first responder safety by utilizing the incident safety analysis process. -Be fiscally responsible for all management and suppression actions. -All management actions and efforts will be focused on serving, safeguarding, and protecting the citizens, cultural, historical, and natural resources of Mendocino and Lake Counties. -Provide customer service to the public with positive and meaningful interaction with the community members.			
<u>Control Objectives</u>			
<u>Redwood Incident</u> -Keep the fire North of Coyote Canyon Road -Keep the fire South of Commercial St. and Hearst Road -Keep the fire East of Muir Mill Road -Keep the fire West of Mid Mountain Road		<u>Sulphur Incident</u> -Keep the fire within current perimeter	
General Situational Awareness: Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and drought stressed trees.			
5. Site Safety Plan Required? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
Approved Site Safety Plan(s) Located at:			
6. Incident Action Plan			
<input checked="" type="checkbox"/> ICS 203	<input type="checkbox"/> ICS 215A	<input type="checkbox"/> Phone List	<input checked="" type="checkbox"/> Fire Suppression Repair Plan
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Training Message	<input checked="" type="checkbox"/> Facility Map
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Travel Map	<input checked="" type="checkbox"/> Example Shift Ticket
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input type="checkbox"/> Demob Plan	<input type="checkbox"/>
<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: Jonathan Pangburn		Position/Title: PSC1 (T)	
8. Approved by Incident Commander:		Signature: <u>Jonathan M. Pangburn</u>	
ICS 202		Signature: <u>Ron Bravo</u>	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: Mendocino Lake Complex		2. Operational Period: Date From: 10/18/2017 Time From: 0700		Date To: 10/19/2017 Time To: 0700	
3. Incident Commander(s) and Command Staff:			7. Operation Section:		
IC/UC's	D. Russell/ G. Pemberton (T)		Day Ops	Mark Higgins	
Deputy	Ron Bravo, B. Farias (T)		Deputy Ops	Shane Lauderdale	
Safety Officer	Doug Ferro (T), Jorge Segura		Night Ops	Bill Weiser	
Information Officer	Steve Kaufman, Koby Johns, Tricia Austin				
Liaison Officer	Shannon Barney, Tami McCanless		Staging Area	Laughlin Staging	Mike Hinton*
			Staging Area		
			Branch	I/III	Felix Berbena*
4. Agency/Organization Representatives:			Division/Group	A/H/C/E	Charlie Diener*
Agency/Organization	Name		Division/Group		
MCSO	G. Van Patten		Division/Group		
MEU	Brett Pinson		Branch	IV/V/VI/VII	Tod Patten*, Jonni Mayberry (T) *
CHP	Bruce Carpenter		Division/Group	J	Scott Lane, John Morgan (T)
CAL OES	Kit Bailey		Division/Group	M	Robert Gubser*, Ichiro Stewart*
BLM	Jeff Tunnell		Division/Group	O	Rich Dennett, Michael Klusyk (T)
Clear Lake Fire	Bill Sapeta		Division/Group	P	David Esteves*
USFS	James Courtright		Division/Group	Q	Jeff Schlafer *
CDCR	Ray Ulatan		Division/Group	S/T	Joseph Kennedy*
BIA	Matt Flying		Division/Group	U/X	Kevin Bohall*, Chris Placke (T)*
			Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
5. Planning Section:			Division/Group		
Chief	Chris Burch		Division/Group		
Deputy	Jason Martin		Division/Group		
Resource Unit	Pangburn, Karlen (T), Ozard (T), Nielson (T)		Division/Group		
Situation Unit	Denny O'Neil, Jason Taylor		Division/Group		
Documentation Unit	Chris Ardis		Branch	Suppression Repair	Charlie Martin*
Demobilization Unit	Chris Lynch, Brian Torosian (T)		Division/Group	Group 1	Tim Holiday*
GISS	Daniel Dresselhaus, Erik Wahl		Division/Group	Group 2	Jeff Longcrier*
FBAN	Tim Chavez		Division/Group		
IMET	Jeff Tonkin		Division/Group		
Training Tech Spec	Dennis Martin, Brian Nichols (T)		Division/Group		
			Air Operations Branch		Director: Mark Gradek
6. Logistics Section			Air Support Grp Sup	Greg Bradshaw	
Chief	Bob Wood, Matt Reich		Helibase Manager	Tim Perkins	
Supply Unit	Scott Burnham, Justin Smith				
Facilities Unit	Shawn Burriss, Maggie Kouffeld		8. Finance/Administration Section:		
Ground Support Unit	Mike Esparza, Conner Stapleton		Chief	Pete Peisch, David Irion (T)	
Hired Equipment Tech	Tim Bingham		Deputy Chief	George Huang	
Communications Unit	Austin Browne		Time Unit	Shane Beck, Nick Stitzel (T)	
Medical Unit	Darin Nelson		Procurement Unit	Joe Flagg, Courtney Arebalo	
Motel Tech Spec	Dawn Muschetto		Comp/Claims Unit	Sean Bowe	
Ordering Manager	Mike Heyfron		Cost Unit	Cynthia Maxwell (T), Adrienne Muljanax (T)	
Prepared By: Name:	Jonathan Pangburn	Position/Title:	PSC1 (T)	Signature:	
ICS 203		Date/Time:	10/17/2017 2300 hours		



Mendocino Lake Incident Weather Forecast



FORECAST NO: 8 D/N
PREDICTION FOR: Wednesday - 24 Hour Shift
SHIFT DATE: Oct 18, 2017
FORECAST ISSUED: 1700 Oct 17, 2017

NAME OF FIRE: Mendocino Lake
UNIT: CA Fire - MEU
Incident Meteorologist: Jeff Tonkin

WEATHER DISCUSSION:

Slight improvement in relative humidity expected today...with much higher RH's tonight and Thursday. A rain producing front is expected to reach the fire area Thursday afternoon. Total rain amounts will range from 0.20 to 0.30 inches by Friday morning. Increasing southwest winds are expected late Wednesday and Thursday with gusts to 15 mph possible but relative humidity will be very high with sprinkles possible during the increased wind.

Today (Wednesday)

WEATHER: Partly Cloudy (High Clouds).
MAX TEMPERATURES: 76 - 80.
MIN HUMIDITY 2000 ft: 18 - 23%.
WINDS (EYE LEVEL):
2500 FT: Upslope or West wind 3 to 6 mph.
LAL: 1 CWR: 0%
STABILITY / INVERSION: Stable until 1200 pm. ..then moderately unstable.
SMOKE TRANSPORT WIND: SW 10 mph.

Tonight (Wednesday Night) :

WEATHER: Mostly cloudy by sunrise .
MIN TEMPERATURES: 43 to 48.
HUMIDITY: 35 to 45%...increasing rapidly toward sunrise.
WINDS (EYE LEVEL):
Southwest 4 to 6 mph...gusts to 12 mph.

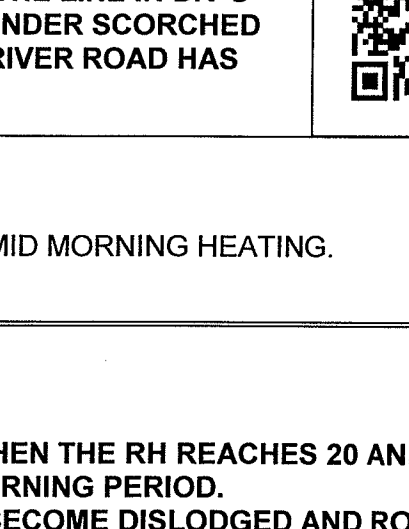
Thursday:

WEATHER: Much cooler. Cloudy with sprinkles or light rain possible in the morning...followed by steady light rain beginning around 4pm.
MAX TEMPS: 58 to 63.
MIN RH: 70 to 80%.
WIND: Southwest 5 to 8 mph...gusts to 20 mph.
SMOKE TRANSPORT: SW 25 mph.
CWR: 80%. (0.20 - 0.30 inches)

Friday through Saturday:

Isolated shower activity is possible on Friday but significant rain is not expected. A warming and drying trend is expected to begin Saturday as high pressure rebuilds across the region.
Max Temps...70 - 80. Min RH...25 - 35%.
Wind: West 3 to 6 mph with afternoon gusts to 12 mph.
Smoke Transport Wind: NW 20 mph. LAL: 1 CWR: 0 %.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 8	TYPE OF FIRE: WILDFIRE
FIRE NAME: MENDOCINO LAKE COMPLEX	OPERATIONAL PERIOD: OCT 18-24 HR
DATE ISSUED: OCT 17, 2017	TIME ISSUED: 1900
UNIT: CALFIRE MENDOCINO UNIT	SIGNED: 
	Typed/printed: TIM CHAVEZ

INPUTS

WEATHER SUMMARY: LIGHT WINDS AND VERY DRY AIR. SEE IMET FORECAST
FUELS: GRASS, BRUSH AND LITTER UNDER OAKS AND TIMBER ARE THE PRIMARY CARRIERS OF THE FIRE. LAST RAINFALL GREATER THAN 0.25 WAS APRIL 20, 2017. WET WEATHER COMING IN THE NEXT 48 HOURS, BUT AFTER THAT A RIDGE BUILDS BACK IN AND DRYNESS WILL RESUME.
FUELS: MANZANITA AND CHAMISE LIVE FUEL MOISTURES HAVE BEEN BELOW CRITICAL SINCE MID AUGUST.

OUTPUTS

FIRE BEHAVIOR

GENERAL: PROBABILITY OF IGNITION 74% IN PEAK DAYTIME HEATING, SPOTTING DISTANCE POTENTIALLY 0.2-0.4 MI. ENERGY RELEASE COMPONENT FOR THE AREA HAS REACHED 90th PERCENTILE. AVG FOR THIS TIME OF YEAR IS 45, ERC NOW AT 62.

SPECIFIC:

BRANCH I AND III (SULFUR) V AND VI AND VII (REDWOOD)

NO MOVEMENT ANTICIPATED. SMOKES INCREASE IN AFTERNOON. UNBURNED ISLANDS AND SCORCHED CANOPY SHOULD BE HIGH PRIORITY FOR PATROL.

BRANCH IV

SOUTH AND WEST FACING SLOPES WITH BRUSH OUTSIDE THE LINE IN DIV S AND DIV O NEED SPECIAL ATTENTION. WATCH FOR HEAT UNDER SCORCHED CANOPY FOR REBURN POTENTIAL. THE LINE ALONG EEL RIVER ROAD HAS HIGH POTENTIAL FOR ROLLOUT.

USE THIS QR
CODE TO
MONITOR THE
RAWS
STATION AT
DP 60



AIR OPERATIONS:

SMOKE OBSURES VISIBILITY DUE TO LACK OF WIND UNTIL MID MORNING HEATING.

SAFETY

- MONITOR WEATHER DURING THE AFTERNOONS. WHEN THE RH REACHES 20 AND TEMPS ARE OVER 80, YOU HAVE REACHED PEAK OF THE BURNING PERIOD.
- BURNED LITTER CAN CAUSE ROCKS AND LOGS TO BECOME DISLODGED AND ROLL DOWNHILL.
- GREEN TREES CAN BE HAZARD TREES TOO.



SAFETY MESSAGE

Mendocino Lake Complex- Sulphur / Redwood Fires

17-CA-MEU-012169 - October 18, 2017 - 0700 TO 0700



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Chainsaw Felling Accidents

IDENTIFY HAZARDS / WORK WITHIN QUALIFICATION / CONSIDER ALTERNATIVES

- Tree hang-ups account for 25% of felling fatalities. When a tree you are working on becomes a hang-up, reconsider the risks to personnel safety and consider alternatives.
- Are you qualified and comfortable with felling assignment?
- All sawyers have the authority to decline a felling assignment if they feel it is unsafe. Or if the assignment exceeds their training, qualification or experience.
- Consider alternatives to felling hazard trees.
 - Use heavy equipment to remove the hazard.
 - Restrict access.
 - Make notifications and utilize signs/flagging to communicate the hazard.
- Bucking operations can also be hazardous. Alternatives can also be used for bucking operations (e.g. use mitigation measures to restrict access, use heavy equipment, decline assignment if here are no mitigations).

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TRAFFIC SAFETY

SLOW DOWN

Excessive speed has contributed to numerous accidents and near serious accidents on the Mendocino Lake Complex.

Take The Time to Make Your Workspace Safe

- Use Warning Devices: All emergency vehicles will use advance warning devices to alert oncoming and opposing traffic.
- Wear High Visibility PPE: Consider the potential for media and civilians in vehicles accessing or egressing the fire area and the impact of smoke, dust and fog on the visibility of fire personnel.
- Give Yourself Space: Allow for a buffer between the point where the traffic is diverted and the actual incident scene.

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STEEP TERRAIN

Watch Out

- Rolling logs, rolling rocks
- Poor footing
- Be aware of dozers and other equipment working above you

Mitigation


- Read and understand the Medical Emergency Procedures on the Medical Plan (ICS 206)
- Reduce the number of personnel on a steep slope to the minimum required to complete the mission.
- Assess whether missions on a steep slopes are necessary to meet Incident objectives.

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Douglas Michael Ferro
TEAM 4 SAFETY OFFICER

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: Mendocino Lake Complex Last clone date: 10/16/17		2. Date/Time Prepared Date: 10/17/2017 Time: 1830		3. Operational Period: Date From: 10/18/17 Date To: 10/19/17 Time From: 0700 Time To: 0700					
4. Communications									
Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes	
1	COMMAND	NIFC C2	COMMAND	168.1000		170.4500	123.0	*LINKED* REDWOOD CMD - NE of FIRE	
2	COMMAND	NIFC C11	COMMAND	170.6875		166.5750	123.0	*LINKED* REDWOOD CMD - LAUGHLIN	
3	COMMAND	NIFC C96	COMMAND	172.1375		164.0125	123.0	*LINKED* REDWOOD CMD - CENTER RD	
4	COMMAND	CDF C11	COMMAND	151.1675	103.5	159.3975	151.4	SULPHUR CMD	
5									
6	TACTICAL	CDF T4	DIV S / T	151.1900	192.8	151.1900	192.8	SUP REPAIR GRP 2	
7	TACTICAL	CDF T6	DIV U / X	151.3250	192.8	151.3250	192.8		
8	TACTICAL	CDF T26	DIV J	159.2925	192.8	159.2925	192.8		
9	TACTICAL	CDF T31	DIV M / O	159.3825	192.8	159.3825	192.8		
10	TACTICAL	CDF T28	DIV P / Q	151.1825	192.8	151.1825	192.8		
11	TACTICAL	CDF T29	DIV A/H/C/E	151.3475	192.8	151.3475	192.8	SUP REPAIR GRP 1	
12									
13									
14	MEDICAL	CALCORD	MEDICAL	156.0750	156.7	156.0750	156.7		
15	TACTICAL	A/G NIFC	AIR TO GROUND	169.2000		169.2000			
16	EMERGENCY	GUARD16	EMERGENCY	168.6250		168.6250	110.9		
17									
18									
19									
20	EMERGENCY	GUARD16	EMERGENCY	168.6250		168.6250	110.9		
5. Special Instructions						TO CONFIRM THE MOST CURRENT CLONE, ENSURE YOUR CHANNEL 16 OR 20 DISPLAY MATCHES CHANNEL 16 OR 20 OF THE 205			
6. Prepared by (Communications Unit Leader): Name: Austin L. Browne						Signature: 			
ICS 205						Date/Time: 10/17/17 1830			

ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

1. Incident Name: Mendocino Lake Complex
MEU IA Channels

2. Date/Time Prepared Date: 10/17/2017 Time: 1830
3. Operational Period: Date From: 10/18/17 Date To: 10/19/17
 Time From: 0700 Time To: 0700

Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
21	COMMAND	MEU L	COMMAND	151.3850	110.9	159.2700	OST	TONES 11, 12, 13, 14
22	COMMAND	CDF C8	COMMAND	151.4450	103.5	159.3450	OST	TONES 11, 12, 13
23	TACTICAL	CDF T2	TACTICAL	151.1600	192.8	151.1600	192.8	
24	TACTICAL	CDF T3	TACTICAL	151.1750	192.8	151.1750	192.8	
25	TACTICAL	CDF A/G 3	AIR TO GROUND	159.3675	192.8	159.3675	192.8	
26								
27								
28	COMMAND	LNU E	COMMAND	151.3400	136.5	159.3150	OST	TONES 1, 2, 3, 4, 5, 6
29	COMMAND	LNU W	COMMAND	151.4600	136.5	159.3900	OST	TONES 10, 11, 12, 13, 14
30	TACTICAL	VFIRE 22	TACTICAL	154.2650	156.7	154.2650	156.7	
31	TACTICAL	CDF T6	TACTICAL	151.3250	192.8	151.3250	192.8	
32	TACTICAL	CDF A/G 2	AIR TO GROUND	159.2625	192.8	159.2625	192.8	
33								
34								
35								
36	EMERGENCY	GUARD16	EMERGENCY	168.6250		168.6250	110.9	
37								
38								
39								
40	EMERGENCY	GUARD16	EMERGENCY	168.6250		168.6250	110.9	

5. Special Instructions

TO CONFIRM THE MOST CURRENT CLONE, ENSURE YOUR CHANNEL 16 OR 20 DISPLAY MATCHES CHANNEL 16 OR 20 OF THE 205

6. Prepared by (Communications Unit Leader): Name: Austin L. Browne

ICS 205 Signature: _____ Date/Time: 10/17/17 1830

MEDICAL PLAN ICS 206	INCIDENT NAME	DATE & TIME PREPARED	OPERATIONAL PERIOD
	MENDOCINO LAKE REDWOOD	10/17/2017 1500 HRS	10/18/2017 0700-0700 HRS

MEDICAL AID STATIONS			
NAME	LOCATION	CONTACT NUMBER	SERVICE LEVEL
MERT	Incident Base-Main Street		MD

TRANSPORTATION (indicate air or ground)			
NAME	LOCATION	CONTACT NUMBER	SERVICE LEVEL
Verihealth Ambulance	Willits, CA.	707-459-5336	ALS
MedStar Ambulance	Ukiah, CA.	707-459-5336	ALS
CNG C825- 24hr hoist/ALS	Nut Tree Airport- Vacaville, CA.	707-459-5336	ALS
CALSTAR 4- Air Ambulance	Ukiah, CA.	707-459-5336	RN
REACH 18- Air Ambulance	Willits, CA.	707-459-5336	RN

INCIDENT AMBULANCES		
MedStar QRV- 9152	Incident Base- Ukiah Fairgrounds	Paramedic

NAME	ADDRESS	PHONE #	TRAVEL TIME- minutes		Trauma Center	Burn Center	Helipad
			AIR	GROUND			
Frank Howard Memorial	1 Marcela Dr. Willits, CA	707-459-6801	6	10	No	<input type="checkbox"/> No	<input type="checkbox"/> No
Ukiah Valley Medical Center	275 Hospital Drive, Ukiah, CA	707-462-3111	4	7	No	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Santa Rosa Memorial	1165 Montgomery Dr. Sonoma, CA.	707-546-3210	23	65	Level 2	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Kaiser Vacaville	1 Quality Dr. Vacaville, CA.	707-624-1232	27	130	Level 2	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
University of California- Davis Medical Center	2315 Stockton Blvd. Sacramento	916-734-3636	40	170	Level 1	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes

MEDICAL EMERGENCY PROCEDURES

EMERGENCY FREQUENCY: CALCORD
LINE EMERGENCY:
 Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.
 - Division Group Supervisor Contacts:
 1. Closest EMS resource
 2. Communications Unit
 - Communications Unit Contacts:
 1. Ground or Air ambulance as requested.
 2. Operations
 3. Safety
 4. Medical Unit (916) 622-3371
 - Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel.
 1. A pre-assigned tactical frequency (i.e. CALCORD) should be used for IWI and only for duration of the emergency.
 - Communications Unit will clear the Command channel for emergency traffic as needed for duration of the need.

Camp Emergency:
 Contact Communications on CALCORD with patient complaint/condition and location. Communications will respond appropriate medical response.
 - Communications contacts:
 1. Medical Unit
 2. Safety
 3. Logistics
 4. Operations
 5. Crew Supervisor
 6. Comp/Claims

INCIDENT REPORTING PROCEDURES

CHIEF COMPLAINT _____
LOCATION OF PATIENT _____
POINT OF CONTACT _____
TRANSPORTATION REQUESTED BY: AIR _____ **GROUND** _____
POINT OF PICKUP _____
LAT _____ **LONG** _____
PATIENT UNIT ID _____
IS AN EMT WITH PATIENT: YES _____ **NO** _____
AGE _____
SEX: MALE _____ **FEMALE** _____
ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

Hospital	LAT	LONG
Howard Memorial	39 23.35	123 20.35
Ukiah Valley	37 20.45	120 28.00
Santa Rosa Memorial	38 26.63	122 42.02
Kaiser Vacaville	38 23.33	121 56.43
U.C. Davis Med Center	38 33.33	121 27.32

PREPARED BY: (Medical Unit Leader): Name: Darin Nelson Signature: 

APPROVED BY: (Safety Officer): Name: Doug Ferro Signature: 

MEDICAL PLAN ICS 206	INCIDENT NAME	DATE & TIME PREPARED	OPERATIONAL PERIOD
	MENDOCINO LAKE SULPHUR	10/17/2017 1500 HRS	10/18/2017 0700-0700 HRS

MEDICAL AID STATIONS

NAME	LOCATION	CONTACT NUMBER	SERVICE LEVEL

TRANSPORTATION (indicate air or ground)

NAME	LOCATION	CONTACT NUMBER	SERVICE LEVEL
Lake County Fire	Clearlake, CA.	707-263-8655	ALS
CNG C825- 24hr hoist/ALS	Nut Tree Airport- Vacaville, CA.	707-459-5336	ALS
CALSTAR 4- Air Ambulance	Ukiah, CA.	707-459-5336	RN
REACH 18- Air Ambulance	Willits, CA.	707-459-5336	RN

INCIDENT AMBULANCES

MedStar QRV- 9152	Incident Base- Ukiah Fairgrounds	Paramedic
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NAME	ADDRESS	PHONE #	TRAVEL TIME- minutes		Trauma Center	Burn Center	Helipad
			AIR	GROUND			
Saint Helena	15630 18th Ave. Clearlake	707-995-5893	6	15	No	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Sutter Lakeside	5176 Hill Road East Lakeport, CA.	707-576-4040	12	40	No	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Santa Rosa Memorial	1165 Montgomery Dr. Sonoma, CA.	707-546-3210	23	65	Level 2	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Kaiser Vacaville	1 Quality Dr. Vacaville, CA.	707-624-1232	27	130	Level 2	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
University of California- Davis Medical Center	2315 Stockton Blvd. Sacramento	916-734-3636	40	170	Level 1	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> Yes

MEDICAL EMERGENCY PROCEDURES

EMERGENCY FREQUENCY: CALCORD
LINE EMERGENCY:
 Crew Supervisor will contact the Incident Commander with patient complaint/condition and location.

- Incident Commander Contacts:
 1. ECC (Saint Helena)
 2. Request any additional resources and /or equipment needed.

- Emergency Command Center contacts:
 1. Proper agency/resource for emergency response

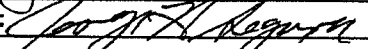
- Incident Commander will run medical on emergency command channel.
 1. A pre-assigned tactical frequency (i.e. CALCORD) should be used for IWI and only for duration of need.

INCIDENT REPORTING PROCEDURES

CHIEF COMPLAINT _____
LOCATION OF PATIENT _____
POINT OF CONTACT _____
TRANSPORTATION REQUESTED BY: AIR ___ **GROUND** ___
POINT OF PICKUP _____
LAT _____ **LONG** _____
PATIENT UNIT ID _____
IS AN EMT WITH PATIENT: YES ___ **NO** ___
AGE _____
SEX: MALE ___ **FEMALE** ___
ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

Hospital	LAT	LONG
Saint Helena	38 56.08	122 37.17
Sutter Lakeside	39 06.35	122 54.33
Santa Rosa Memorial	38 26.63	122 42.02
Kaiser Vacaville	38 23.33	121 56.43
U.C. Davis Med Center	38 33.33	121 27.32

PREPARED BY: (Medical Unit Leader): Name: Darin Nelson Signature: 

APPROVED BY: (Safety Officer): Name: Doug Ferro Signature: 

24HR LINE RESOURCE - 2 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name	
The responsible Government Officer will complete this form each shift.				THE BEST DOZERS LLC	
Incident or Project Name	Incident Number	Request Number	Operator #1	Operator #2	
MISSION	CA-MMU-018115	E-444	FIRST & LAST	FIRST & LAST	
Agreement Number	MMU-0000015953		Operator Furnished By:		
Equipment Make	Equipment Model / Type	License Number	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
1999 PETERBILT 379	TRANSPORT 18 WHEEL	12345A1	Operator Supplies Furnished By:		
Serial Number	COMPLETE VIN#		<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
Equipment Use			Equipment Status		
Date	Start	Stop	Work	Assignment	Inspected
9/5	0701	2400	17	DIV X	<input checked="" type="checkbox"/> Under Agreement
9/6	0001	0700	7	DIV X	
Vendor Rating			Remarks/Comments**		
Poor* Avg. Good Exc. N/A			NO DAMAGE / NO CLAIM		
Meat Performance Expectations			Print Your Name		
Equipment in Safe Working Condition			Govt. Rep. Signature		
Operator Skill Level			Your Signature		
Operator's Safety			Contractor Signature		
Overall Performance			Date		
			9/6/17		
			Time		
			0700		
			CAL FIRE 297 (Rev 3-2011)		

* NOTE: any rating of POOR requires an explanation in Comment Section.
 ** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

24HR / 12HR TRANSITION SHIFT TICKET

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name	
The responsible Government Officer will complete this form each shift.				THE BEST DOZERS LLC	
Incident or Project Name	Incident Number	Request Number	Operator #1	Operator #2	
MISSION	CA-MMU-018115	E-444	FIRST & LAST	FIRST & LAST	
Agreement Number	MMU-0000015953		Operator Furnished By:		
Equipment Make	Equipment Model / Type	License Number	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
1999 PETERBILT 379	TRANSPORT 18 WHEEL	12345A1	Operator Supplies Furnished By:		
Serial Number	COMPLETE VIN#		<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
Equipment Use			Equipment Status		
Date	Start	Stop	Work	Assignment	Inspected
9/6	0701	1900	12	DIV X	<input checked="" type="checkbox"/> Under Agreement
9/6	1901	2400	5	OFF SHIFT	
Vendor Rating			Remarks/Comments**		
Poor* Avg. Good Exc. N/A			NO DAMAGE / NO CLAIM		
Meat Performance Expectations			Print Your Name		
Equipment in Safe Working Condition			Govt. Rep. Signature		
Operator Skill Level			Your Signature		
Operator's Safety			Contractor Signature		
Overall Performance			Date		
			9/5/17		
			Time		
			1900		
			CAL FIRE 297 (Rev 3-2011)		

* NOTE: any rating of POOR requires an explanation in Comment Section.
 ** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

12HR LINE RESOURCE - 1 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name	
The responsible Government Officer will complete this form each shift.				THE BEST DOZERS LLC	
Incident or Project Name	Incident Number	Request Number	Operator #1	Operator #2	
MISSION	CA-MMU-018115	E-555	FIRST & LAST	FIRST & LAST	
Agreement Number	MMU-0000015955		Operator Furnished By:		
Equipment Make	Equipment Model / Type	License Number	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
2004 CAT	D6N / TYPE II E	-	Operator Supplies Furnished By:		
Serial Number	COMPLETE VIN#		<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
Equipment Use			Equipment Status		
Date	Start	Stop	Work	Assignment	Inspected
9/7	0001	0700	7	OFF SHIFT	<input checked="" type="checkbox"/> Under Agreement
9/7	0701	1900	12	DIV X	
9/7	1901	2400	5	OFF SHIFT	
Vendor Rating			Remarks/Comments**		
Poor* Avg. Good Exc. N/A			NO DAMAGE / NO CLAIM		
Meat Performance Expectations			Print Your Name		
Equipment in Safe Working Condition			Govt. Rep. Signature		
Operator Skill Level			Your Signature		
Operator's Safety			Contractor Signature		
Overall Performance			Date		
			9/5/17		
			Time		
			1900		
			CAL FIRE 297 (Rev 3-2011)		

* NOTE: any rating of POOR requires an explanation in Comment Section.
 ** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.

24HR IN CAMP RESOURCE

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name	
The responsible Government Officer will complete this form each shift.				THE BEST CAMP LLC	
Incident or Project Name	Incident Number	Request Number	Operator #1	Operator #2	
MISSION	CA-MMU-018115	E-333	FIRST & LAST	-	
Agreement Number	MMU-0000015950		Operator Furnished By:		
Equipment Make	Equipment Model / Type	License Number	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
TENT	WESTERN SHELTER 19X35	-	Operator Supplies Furnished By:		
Serial Number	COMPLETE VIN#		<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Government	
Equipment Use			Equipment Status		
Date	Start	Stop	Work	Assignment	Inspected
9/2	0001	2400	24	ICP	<input checked="" type="checkbox"/> Under Agreement
Vendor Rating			Remarks/Comments**		
Poor* Avg. Good Exc. N/A			FLOOR & INSULATED ROOF STRS IN NO DAMAGE / NO CLAIM		
Meat Performance Expectations			Print Your Name		
Equipment in Safe Working Condition			Govt. Rep. Signature		
Operator Skill Level			Your Signature		
Operator's Safety			Contractor Signature		
Overall Performance			Date		
			9/5/17		
			Time		
			1900		
			CAL FIRE 297 (Rev 3-2011)		

* NOTE: any rating of POOR requires an explanation in Comment Section.
 ** Final evaluation or for more documentation, use a CALFIRE Form 230 or equivalent.



MENDOCINO LAKE COMPLEX INFORMATION



Fire Information Line (Redwood): 707-467-6428

Fire Information Line (Sulphur): 707-967-4207

Media Line 562-619-7467

MEDIA

California State Penal Code Section 409.5(d) allows the news media to enter scenes of disaster, riot, or civil disturbance. Properly identified members of the news media should not be restricted from entering the locations specified within the code, even if the area presents a danger to them. Media members should be advised of the nature of possible danger. Members of the media do not have the right to access crime scenes or any area where their presence may interfere with incident operations, mitigation or evidence collection.

- The media may only access private property with the property owner's permission. Fire personnel cannot provide members of the media with authorization to enter private property.
- If approached and questioned by the media and/or the public, talk about your assignment or task at hand. If need be, direct the questioning party to the incident PIO.
- Do not speculate or give opinions
- There is no such thing as an "off the record" comment.

CAL FIRE SOCIAL MEDIA POLICY (Social Media 0691)

Social Media is increasingly being used by public agencies and the media as well as the public. This form of communication continues to grow rapidly in order to supply the public's desire for instant information gratification. All personnel assigned to a CAL FIRE incident will adhere to the CAL FIRE Social Media Policy. Further information about the CAL FIRE Social Media Policy can be obtained from the Information Officer. If you are uncertain, please ask. **Do not post:**

- Inappropriate information, pictures or videos
- Opinions regarding the incident or policy
- Endorsements of any kind

PICTURES AND VIDEO OF INCIDENT

We are in a new era of media. Media no longer means the news/broadcast industry but now refers to anyone that has the capability to shoot video and or photographs and post them onto social media in a matter of minutes. Unfortunately we have seen some instances of video or photographs that have depicted unsafe, unprofessional or embarrassing circumstances which are a serious breach of ethics. When this happens it reflects poorly on all that are attached to this incident. Posting an inappropriate video, photo or blog comment could have unwanted effects. It may be unsafe to shoot photos or video and a firefighter who is concentrating on a camera can't be looking up, down and all around.

LOST AND FOUND

The Information staff will manage *Lost and Found* items for the incident. If you have lost an item, leave your contact information and what you have lost at the Information trailer. If you have found an item on the incident, bring the item to the Information trailer.

MAIL SERVICE

The Information staff will assist you in receiving letters and packages.

Mailing address for Mendocino Lake Complex Fire personnel to have mail sent to:

(Persons Name, O-Number)

C/O Mendocino/Lake Fire

Redwood Empire Fairgrounds

Public Information Trailer

1055 N State St, Ukiah, CA 95482



DEMOB

MENDOCINO LAKES COMPLEX CA – MEU – 012169

- Resources must Check-In prior to the Demob process.
- In order to be deemed excess, supervisors must submit an ICS #213 to the Resources Unit.
- Resources report to Demob at the times posted on the tentative Demob list, which is posted around the Incident Base.
- Prior to reporting to Demob, please return all supplies and equipment.
- Resources will complete Express and Face to Face Check Out. Express check will be completed by Demob. Face to Face Check Out will require signatures on the 221.
 - Express Check Out:
 - Motels
 - Supply
 - Communications
 - Face to Face Check Out
 - Ground Support (Vehicle Inspection)
 - All Agency and Rental vehicles MUST be inspected
 - Training (If they have a trainee)
 - Documentation
 - Time
 - Demob (Last Stop)

**Mendocino-Lake Complex Emergency Fire Suppression Repair Plan
Incident # CA MEU 012169 (REDWOOD)
CA MEU 10055 (SULPHUR)
10/18/2017 0700 hrs.**

Charlie Martin- Suppression Repair Technical Specialist

Reviewed & approved by Plans.: *Jonathan M. Payne*

The Redwood Complex and Sulphur Fire started on 10/8/17 and were two of several fires in the Mendocino, Lake, Sonoma and Napa Counties of CAL FIRE Region 1 that started that evening. The Redwood Complex is approximately 38,007 acres in size and the Sulphur Fire is 2,500 acres.

Authority: Public Resources Code Sections 4675 and 4676 enables CAL FIRE to repair any fire suppression impacts on State Responsibility Area Land.

I. Objectives

The objective of the Suppression Repair Plan is to mitigate possible adverse effects to resources resulting from fire suppression activities on the Mendocino-Lake Complex Fires, in a manner which does not compromise firefighter safety. The mitigations described within this plan have been developed to apply to constructed fire lines, watercourse crossings, access roads, water sources, drop points, heli-spots and any other locations disturbed by fire suppression activities. A Repair Specialist or appropriate monitor will be assigned to ensure that work is done as required and according to the Emergency Fire Suppression Repair Plan. Additional specialists or equipment may be used if the need arises. Specialists will release equipment from the area when their work is completed.

GENERAL WORK ACROSS ALL AREAS:

- Provide drainage to dozer line and hand line to minimize erosion.
- Remove watercourse crossings created during suppression activities to minimize sediment yields and avoid impacts to infrastructure such as downstream culverts.
- Remove trash brought in by suppression personnel.
- Restore road surfaces to a passable standard similar to prefire conditions.
- Mitigate safety hazards caused by clearing vegetation and trees.
- Repair to a functional standard, property damaged by suppression activities.

PRIORITIES:

Damages with potential to impact public safety
Damages with potential to impact public infrastructure
Damages with potential to negatively impact the environment
Damages to property

TREATMENT STANDARDS AND EXPECTATIONS:

A. Helispots/Staging Areas/Drop Points/Safety Zones

- 1) Re-contour to the original slope as requested by the Repair Specialist or monitor.
- 2) Remove soil, and/or breach berms so that runoff can be dissipated. Cross drain these areas to effectively dissipate water runoff.
- 3) Break apart piles of disturbed vegetation, brush and trees, piled during line construction to the extent necessary to mitigate hazards. This may be done with equipment or hand crews.

B. Roads

- 1) Repair roads to pre-fire condition as requested by the Repair Specialist or monitor.
- 2) Re-establish existing berms and inside ditches where applicable.
- 3) Breach berms to facilitate drainage, where applicable.
- 4) Clean culverts plugged with soil and rock resulting from fire road use.
- 5) Remove all slash and debris from culvert inlets/outlets.
- 6) Blading or grading of roads may be necessary to maintain a safe driving surface and restore the road to functional condition following suppression and suppression repair work.
- 7) Break apart any concentrations of brush or trees created by suppression work to the extent necessary to minimize safety risks.
- 8) Water roads as necessary to maintain surface in a packed condition while suppression and repair work is in progress.

C. Firelines; Hand and Dozer

- 1) Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fire line before it can build up enough energy to erode and transport sediment. Re-establish waterbars and rolling dips to provide adequate drainage using pre-fire locations. Where natural drainage is determined to be adequate by the Repair Specialist, waterbar installation can be minimized.

Waterbar Guidelines:

- 1) **Spacing:** These spacing distances should be used as a guide. Judgment should be used in locating waterbars to minimize erosion potential. It may not be possible or necessary to place waterbars in steep or rocky areas. Waterbars may not be necessary on all lines. Where necessary, install waterbars at the following recommended **minimum** intervals:

Fire line Gradient (% slope)	Minimum Distance Between Water-Bars (feet) "Hand Installed"	Minimum Distance Between Water-Bars (feet) "Equipment installed"
0 to 10	100	100
10 to 50	50	100
50+	50	75

- 2) **Location:** Locate waterbars at natural slope breaks or to take advantage of natural features when possible. Direct water to unburned areas, and/or resistant surfaces with high vegetation cover when possible. Waterbars should extend beyond the width of the trail and discharge into undisturbed areas, rocky ground, or filter areas well protected with slash and vegetative cover.
- 3) **Depth and Width:** Waterbars need to be cut into the ground surface; do not simply push up soil. On dozer constructed line waterbar depths should be at least 6 inches; total height from bottom of ditch to top of waterbar should average at least 12 inches and not exceed 24 inches. On hand-constructed lines waterbar depths should be at least 4 inches; total height from

bottom of ditch to top of waterbar should average at least 8 inches and not exceed 18 inches. The width of the waterbar channel should be enough to handle expected water flows and to avoid plugging when a normal amount of sloughing occurs.

- 4) **Angle:** Determine the average gradient in percent slope of the fire line being waterbarred. Add 5 to the average gradient. This approximates the angle in degrees for the waterbar. Do not install water bars at an angle steeper than 45 degrees as this will increase water velocity rather than slow it down.

D. Watercourses

- 1) Watercourse crossings should be dipped to original configuration. Waterbars should be installed on each side of channel to divert flow from trails prior to entering a watercourse channel.
- 2) Remove all soil and debris that was placed in any stream channel. A Repair Specialist will review the site for acceptability. If foreign material cannot be removed with heavy equipment, the material may be removed by hand. The approaches to the crossing shall be sloped back to prevent future stream bank failure.

E. Archaeological or Historic Sites (if discovered)

- 1) All sites and potential sites shall be flagged and avoided.
- 2) Impacted sites will be reported to the Suppression Repair Specialist as soon as possible.
- 3) If sites are encroached upon, work will stop immediately and the Division/Group Supervisor or Suppression Repair Specialist will be notified.

F. Other Repair Concerns

- 1) Remove all trash from fire lines and other affected areas.
- 2) Repair, broken, damaged fences, and/or gates damaged as the result of the fire control operations. Repairs may be to a functional, and not new standard (Note: Extent and condition of damage should be documented prior to repairs.)
- 3) To prevent OHV trespass and access around gates and other barriers where suppression activities changed access potential, place a barrier such as a large log, rock or soil mound to prevent entry.
- 4) Around all structures; avoid additional damage, identify hazards and mitigate where equipment or crew resources are available.

TRAINING SPECIALIST MESSAGE

**A Training Specialist is available for trainees on
the incident.**

**All State, Federal and local government agency
Trainees working on Position Task Books will
need to register with the Incident Training
Specialist in order to receive proper credit for
your assignment. We are located next to
Check-In.**

Bring your task book with you.

Training Specialist

Dennis Martin

(707) 479-8421

Brian Nichols

(831) 236-2807

FIRING OPERATION CHECKLIST

Location: _____

Date: _____ Time: _____

Firing Supervisor _____

1. Personnel Briefing

- Objectives
- Conditions (fire environment)
- Resource assignments identified
 - Firing personnel
 - Holding forces
 - Lookouts
- Ignition plan/sequence
- Communication Plan
- Contingency Plan
- Safety issues

2. Go / No-Go

- All personnel briefed
- Weather forecast reviewed
- Resources in place
- Lookouts posted as needed
- Anchor and termination firing points identified
- Communications systems in place
- Fire behavior forecast reviewed
- Escape routes and safety zones established and made known
- Adjoining forces/Air Attack notified

3. Approval Prior To Firing

- Division Supervisor
- Branch Director
- Operations

4. Other Notifications

- Other: _____
- Other: _____

Attach Firing Operations Checklist to ICS-214

Rev: Ops Group February 8, 2011

**Traffic, Parking
& Sleeping Map
Base Camp
Mendocino - Lake
Complex
ICP**

10/14/17



Ground support fuel

N. State St

Crews, Engines, Equipment

Highway 101 Overpass

Ford Road

NO ENGINE PARKING

Overhead Only

Redwood Empire Fairgrounds

ICP
See Detail Map

Briggs St.

Parking Engine, Crews & Equipment

old railroad track

Showers & Laundry

Path to ICP

Hand crew Sleeping

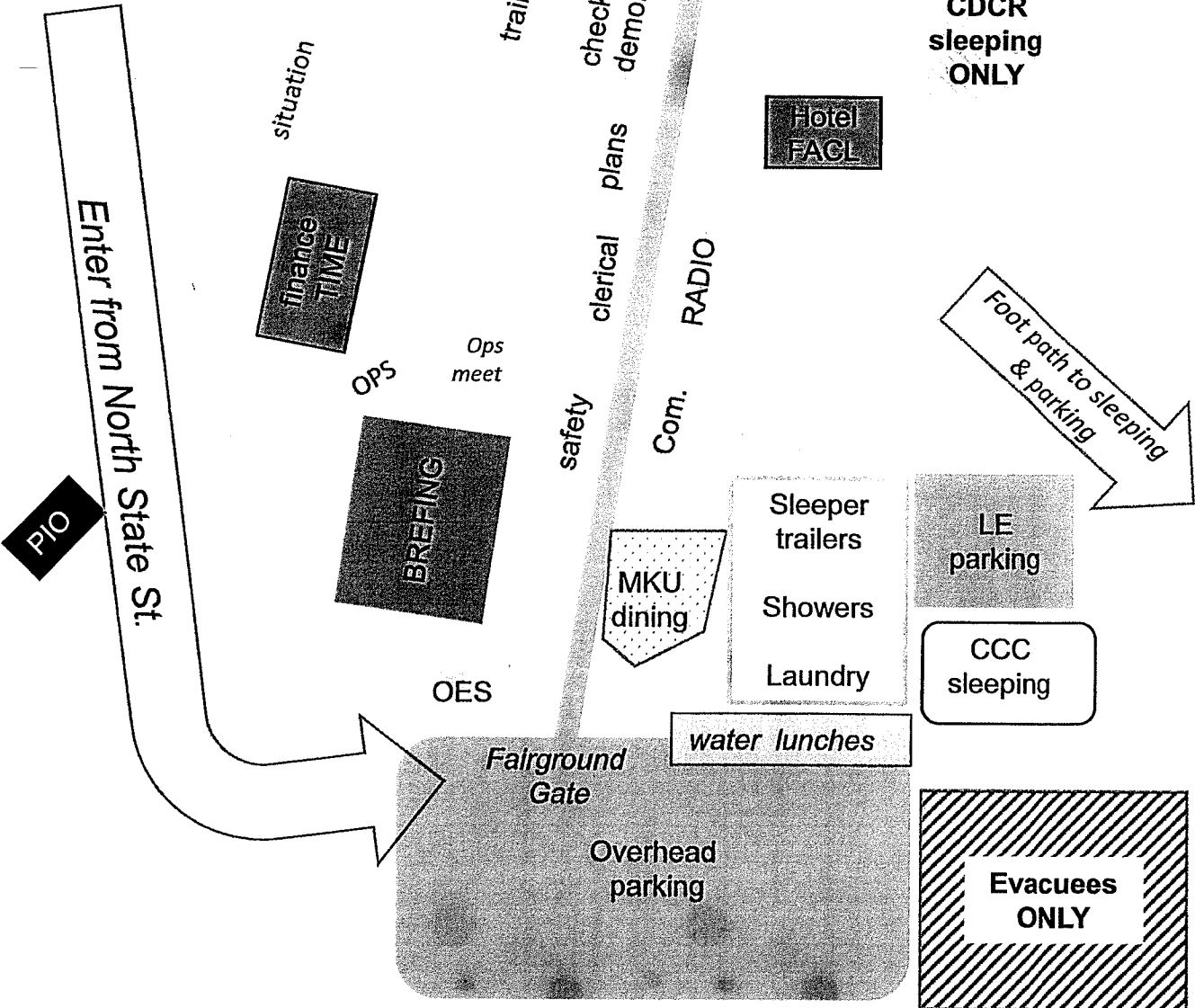
Overhead overflow park

Overhead parking

Mazonni St

Low Gap Rd.

ICP BASE Detail Map
 Mendocino – Lake Complex
 10/14/17
 Redwood Empire Fairgrounds
 Ukiah, CA

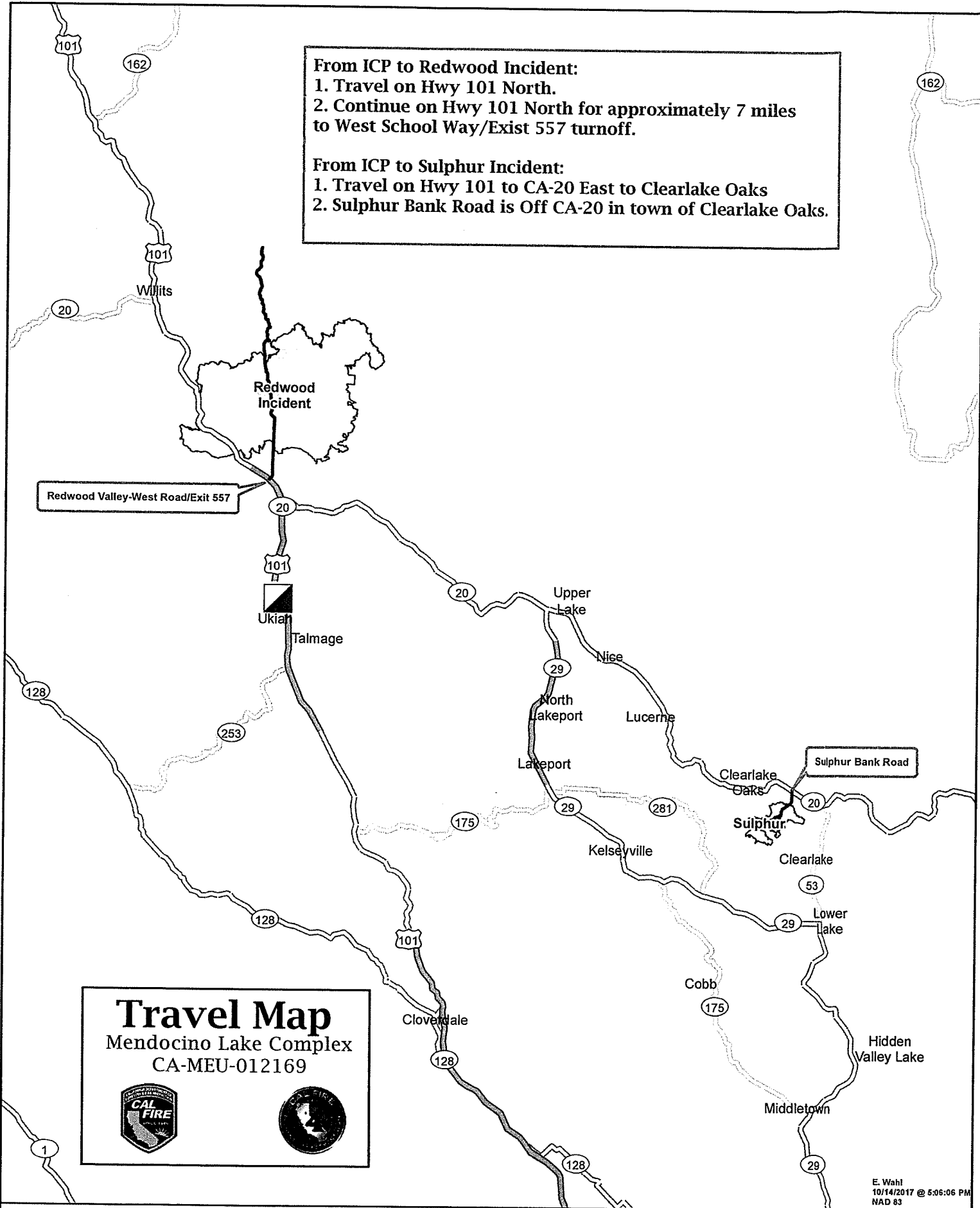


From ICP to Redwood Incident:

1. Travel on Hwy 101 North.
2. Continue on Hwy 101 North for approximately 7 miles to West School Way/Exist 557 turnoff.

From ICP to Sulphur Incident:

1. Travel on Hwy 101 to CA-20 East to Clearlake Oaks
2. Sulphur Bank Road is Off CA-20 in town of Clearlake Oaks.



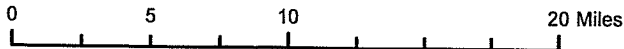
Redwood Valley-West Road/Exit 557

Sulphur Bank Road

Travel Map
Mendocino Lake Complex
CA-MEU-012169



E. Wahl
10/14/2017 @ 5:06:06 PM
NAD 83



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