

CORRECTED 0745
Mendocino Lake Complex
MEU CA 012169 (Redwood) LNU CA 010055 (Sulphur)

INCIDENT ACTION PLAN

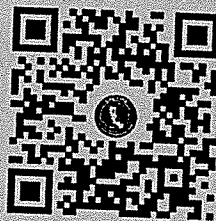


OPERATIONAL PERIOD

10/18/2017 0700

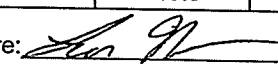
to

10/19/2017 0700



Briefing is broadcast on VTAC 14

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Mendocino Lake Complex		2. Operational Period: Date From: 10/18/17 Date To: 10/19/17 Time From: 0700 Time To: 0700			3. Branch: IV/V/VI/VII Div/Group: S/T		
4. Operations Personnel: Operations Section Chief: Mark Higgins Night Ops: Bill Weiser Branch Director: Tod Patten* , Jonni Mayberry (T) * Division/Group Supervisor: Joseph Kennedy* ✓							
5. Resources Assigned:		** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information Time Location		
Resource Identifier	Leader	Personnel	Request #				
ENG PRC 5661 ✓	Patrick	5	E-298	0700-0700	DP-50		
ENG Sequoia 32 ✓	Robert Betancourt	5	E-149	0700-1900	DP-50		
ENG INF 322 ✓	Gavin Mitchell	5	E-145	0700-1900	DP-50		
ENG INF 323 ✓	Tyler Sendrak	5	E-143	0700-1900	DP-50		
ENG STF 344 ✓	Justin Nash	5	E-140	0700-1900	DP-50		
CRW ORS Lava River C-94 ✓	Armondo Alonzo	20	C-94	0700-1900	DP-50		
CRW ORS North C-83 ✓	Jose Rincon	20	C-83	0700-1900	DP-50		
CRW ORC Torres C-57 ✓	Agustin Ramirez	20	C-57	0700-1900	DP-50		
CRW ORS Woodpecker ✓	Corey Fox	20	C-92	0700-1900	DP-50		
WT AVY 7490 ✓	Colin Wilson	1	E-281	0700-1900	DP-50		
WT PVT E-43 Ridge ✓		2	E-43	0700-1900	DP-50		
FALM O-352 Holleman ✓	Colter Holleman	1	O-352	0700-1900	DP-50		
FALM O-439 Russell ✓			O-439	0700-1900	DP-50		
FEMP Nunez ✓	Crispin Nunez	1	O-218	0700-0700	DP-50		
FEMP Rondero ✓	Ronald Rondero	1	O-219	0700-0700	DP-50		
6. Work Assignments: Mop up 400' and patrol. Pull hose and backhaul trash. Fell hazard trees. Support repopulation efforts.							
7. Special Instructions: Hazard and green trees have been reported falling. Use LCES. Clone radios prior to reporting to your line assignment.							
8. Communications (radio and/or phone contact numbers needed for this assignment):							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
NIFC C11	2	COMMAND	170.6875		166.5750	123.0	*LINKED* REDWOOD CMD - LAUGHLIN
CDF T4	6	TACTICAL	151.1900	192.8	151.1900	192.8	SUP REPAIR GRP 2
CALCORD	14	MEDICAL	156.0750	156.7	156.0750	156.7	
A/G NIFC	15	TACTICAL	169.2000		169.2000		
GUARD16	16	EMERGENCY	168.6250		168.6250	110.9	
9. Prepared by: Name: Len Nielson Pos/Title: RESL (T) ICS 204 Date/Time: 10/17/2017 2300 hours Signature: 							

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Mendocino Lake Complex		2. Operational Period: Date From: 10/18/17 Date To: 10/19/17 Time From: 0700 Time To: 0700			3. Branch: Suppression Repair Div/Group: Group 1 (Page 1 of 2) Redwood		
4. Operations Personnel: Operations Section Chief: Mark Higgins Night Ops: Bill Weiser Branch Director: Charlie Martin* Division/Group Supervisor: Tim Holiday*							
5. Resources Assigned:		** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information Time Location		
Resource Identifier	Leader	Personnel	Request #				
CRW San Carlos Crew #1 ✓	William Hensley	20	C-38	0700-1900	Laughlin Staging		
DOZ PVT E-32 Finnegan ✓		2	E-32	0700-1900	Laughlin Staging		
DOZ PVT E-35 O'Ferrall ✓	Travis O'Ferrall	2	E-35	0700-1900	Laughlin Staging		
DOZ PVT E-36 O'Ferrall ✓	O'Ferrall	2	E-36	0700-1900	Laughlin Staging		
DOZ PVT E-64 Garman ✓	Heath Garman	2	E-64	0700-1900	Laughlin Staging		
DOZ PVT E-265 Ingram ✓	Brad Ingram	2	E-265	0700-1900	Laughlin Staging		
DOZ PVT E-362 Hiatt ✓	Hiatt Logging	1	E-362	0700-1900	Laughlin Staging		
DOZ PVT E-369 Redwood Valley ✓	Mel Ford	2	E-369	0700-1900	Laughlin Staging		
GRD ██████				0700-1900	Laughlin Staging		
EXC E-361 ✓	FLASH			0700-1900	Laughlin Staging		
EXC				0700-1900	Laughlin Staging		
EXC				0700-1900	Laughlin Staging		
CHIP E-375 ✓	TIMBERLINE			0700-1900	Laughlin Staging		
CHIP				0700-1900	Laughlin Staging		
FSRS Bishop ✓	Brian Bishop	1		0700-1900	Laughlin Staging		
RESP Borras ✓	Thambi Borras	1	O-485	0700-1900	Laughlin Staging		
FSRS Brent ✓	Heather Brent	1	O-473	0700-1900	Laughlin Staging		
HEQB Forrester ✓	Colby Forrester	1	O-152	0700-1900	Laughlin Staging		
6. Work Assignments: Identify suppression repair needs. Implement fire suppression repair plan.							
7. Special Instructions: Hazard and green trees have been reported falling. Use LCES. Clone radios prior to reporting to your line assignment.							
8. Communications (radio and/or phone contact numbers needed for this assignment):							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
NIFC C11	2	COMMAND	170.6875		166.5750	123.0	*LINKED* REDWOOD CMD - LAUGHLIN
CDF T29	11	TACTICAL	151.3475	192.8	151.3475	192.8	DIV AH/IC/E
CALCORD	14	MEDICAL	156.0750	156.7	156.0750	156.7	
A/G NIFC	15	TACTICAL	169.2000		169.2000		
GUARD16	16	EMERGENCY	168.6250		168.6250	110.9	
9. Prepared by: Name: Len Nielson Pos/Title: RESL (T) ICS 204 Date/Time: 10/17/2017 2300 hours Signature:							



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 %.



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 there 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
2. Date/Time Prepared: Date: 10/17/2017 Time: 1830
3. Operational Period: Date From: 10/18/17 Time From: 0700 Date To: 10/19/17 Time To: 0700
 Last clone date: 10/16/17

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 - NIE 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	AG 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: 
 Date/Time: 10/17/17 1830
 ICS 205

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: 

24HR LINE RESOURCE - 2 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name THE BEST DOZERS LLC	
The responsible Government Officer will complete this form each shift.				Operator #1 FIRST & LAST	
Incident or Project Name MISSION	Incident Number CA-MMU-018115	Request Number E-444	Operator #2 FIRST & LAST	Operator Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Agreement Number MMU-0000015953	Equipment Model / Type TRANSPORT 18 WHEEL	License Number 12345A1	Equipment Status <input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement	Operating Supplies Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Equipment Make 1999 PETERBLIT 379				Vendor Rating	
Serial Number COMPLETE VIN#				Avg. Good Exc. N/A	
Date	Start	Stop	Work	Hours / Days / Miles	Assignment
9/6	0701	2400	17	DIV X	
9/6	0001	0700	7	DIV X	
Remarks/Comments** 2 OPERATORS					
Overall Performance NO DAMAGE / NO CLAIM					
* NOTE: any rating of POOR requires an explanation in Comment Section.					CAL FIRE 297 (Rev 3-2011)

24HR / 12HR TRANSITION SHIFT TICKET

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name THE BEST DOZERS LLC	
The responsible Government Officer will complete this form each shift.				Operator #1 FIRST & LAST	
Incident or Project Name MISSION	Incident Number CA-MMU-018115	Request Number E-444	Operator #2 FIRST & LAST	Operator Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Agreement Number MMU-0000015953	Equipment Model / Type TRANSPORT 18 WHEEL	License Number 12345A1	Equipment Status <input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement	Operating Supplies Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Equipment Make 1999 PETERBLIT 379				Vendor Rating	
Serial Number COMPLETE VIN#				Avg. Good Exc. N/A	
Date	Start	Stop	Work	Hours / Days / Miles	Assignment
9/6	0701	1900	12	DIV X	
9/6	1901	2400	5	OFF SHIFT	
Remarks/Comments** 2 OPERATORS					
Overall Performance NO DAMAGE / NO CLAIM					
* NOTE: any rating of POOR requires an explanation in Comment Section.					CAL FIRE 297 (Rev 3-2011)

12HR LINE RESOURCE - 1 OPERATOR

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name THE BEST DOZERS LLC	
The responsible Government Officer will complete this form each shift.				Operator #1 FIRST & LAST	
Incident or Project Name MISSION	Incident Number CA-MMU-018115	Request Number E-555	Operator #2 FIRST & LAST	Operator Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Agreement Number MMU-0000015955	Equipment Model / Type D6N / TYPE II E	License Number -	Equipment Status <input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement	Operating Supplies Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Equipment Make 2004 CAT				Vendor Rating	
Serial Number COMPLETE VIN#				Avg. Good Exc. N/A	
Date	Start	Stop	Work	Hours / Days / Miles	Assignment
9/7	0001	0700	7	OFF SHIFT	
9/7	0701	1900	12	DIV X	
9/7	1901	2400	5	OFF SHIFT	
Remarks/Comments** 1 OPERATOR					
Overall Performance NO DAMAGE / NO CLAIM					
* NOTE: any rating of POOR requires an explanation in Comment Section.					CAL FIRE 297 (Rev 3-2011)

24HR IN CAMP RESOURCE

EMERGENCY SHIFT TICKET and EVALUATION FORM				Contractor Name THE BEST CAMP LLC	
The responsible Government Officer will complete this form each shift.				Operator #1 FIRST & LAST	
Incident or Project Name MISSION	Incident Number CA-MMU-018115	Request Number E-333	Operator #2 FIRST & LAST	Operator Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Agreement Number MMU-0000015950	Equipment Model / Type TENT	License Number WESTERN SHELTER 19X35	Equipment Status <input type="checkbox"/> Inspected <input checked="" type="checkbox"/> Under Agreement	Operating Supplies Furnished By: <input type="checkbox"/> Government <input checked="" type="checkbox"/> Contractor	
Equipment Make TENT				Vendor Rating	
Serial Number COMPLETE VIN#				Avg. Good Exc. N/A	
Date	Start	Stop	Work	Hours / Days / Miles	Assignment
9/2	0001	2400	24	ICP	
Remarks/Comments** (4) TENTS, CANOPY WISDES FLOOR & INSULATED ROOF 570sq ft					
Overall Performance NO DAMAGE / NO CLAIM					
* NOTE: any rating of POOR requires an explanation in Comment Section.					CAL FIRE 297 (Rev 3-2011)



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)

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

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

**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

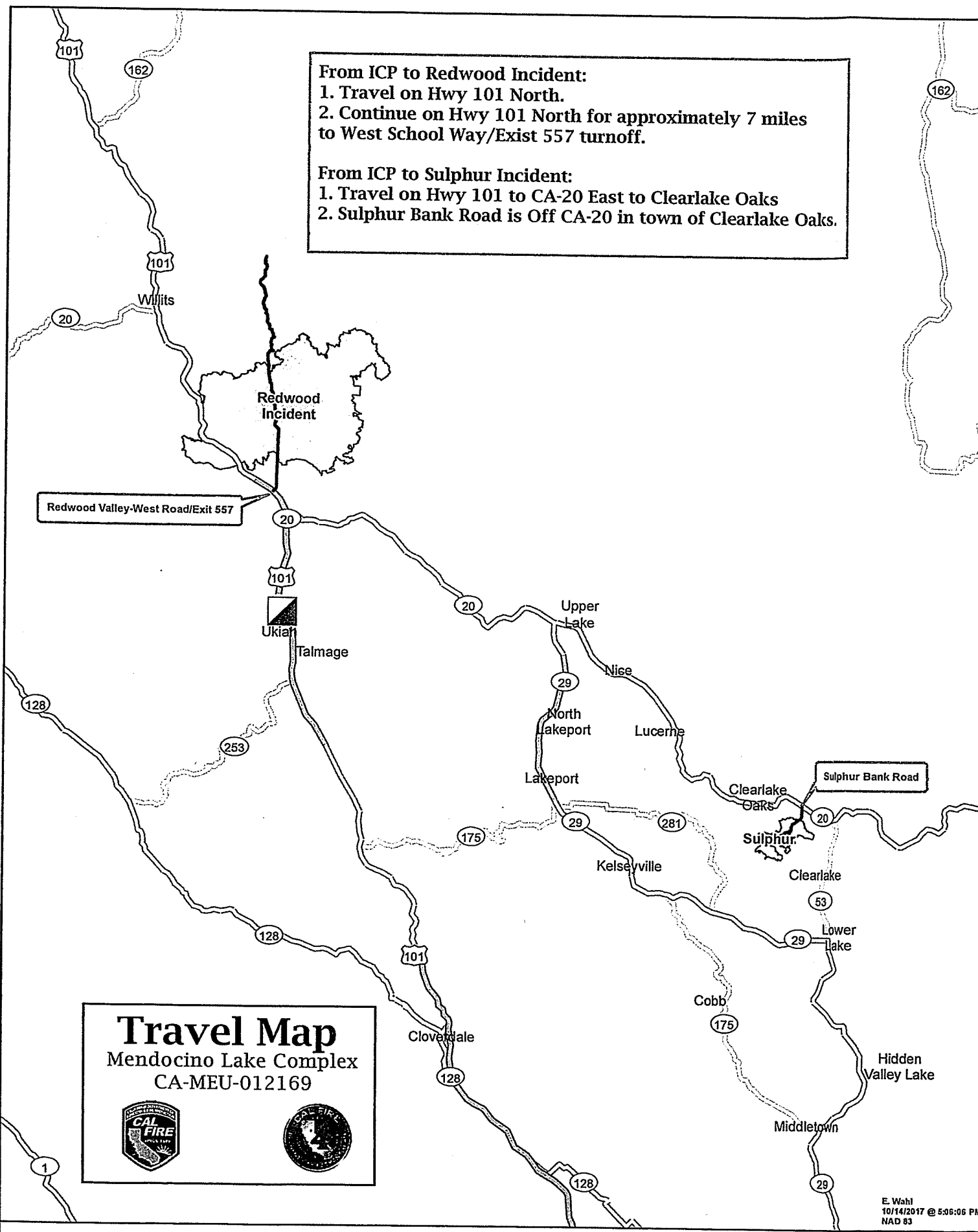
Overhead parking

Mazoni St

Low Gap Rd.

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.



Travel Map
 Mendocino Lake Complex
 CA-MEU-012169



