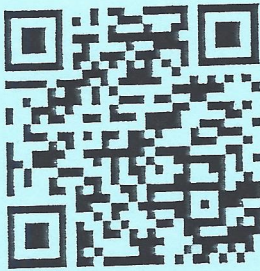


**CORRECTED COPY**

# **SAND FIRE**



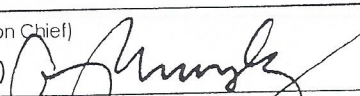
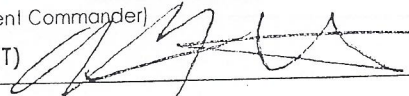
## **INCIDENT ACTION PLAN**

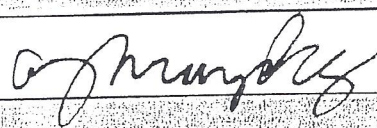
**JULY 29, 2014 0700**

**TO**

**JULY 30, 2014 0700**

**CA-AEU-18237**

<p style="text-align: center;"><b>INCIDENT OBJECTIVES</b></p>	<p>1. Incident Name Sand CAAEU 018237</p>	<p>2. Date 07/28/14</p>	<p>3. Time 2130</p>
	<p>4. Operational Period 07/29/14 – 07/30/14 0700-0700</p>		
<p>5. General Control Objectives for the Incident (include alternatives)</p> <p><u>Management Objectives</u></p> <ul style="list-style-type: none"> <li>• Provide for emergency personnel and public safety at all times.</li> <li>• Minimize damage to structures, private property and other improvements in and around the fire.</li> <li>• Ensure a safe and efficient re-population of residents.</li> <li>• Protect agricultural values, natural and heritage resources.</li> <li>• Keep costs commensurate with values at risk.</li> <li>• Foster and Maintain Relationships with all Local Cooperators and Stakeholders</li> </ul> <p><u>Control Objectives</u></p> <ul style="list-style-type: none"> <li>• Keep Fire North of Bell Road</li> <li>• Keep Fire South of the North Fork of the Cosumnes River</li> <li>• Keep Fire East of Highway 49</li> <li>• Keep Fire West of E-16 Shenandoah Road</li> </ul>			
<p>6. Weather Forecast for Period See attached Spot Weather Forecast</p>			
<p>7. General Safety Message See attached Safety Message</p>			
<p>8. Attachments (mark if attached)</p>			
<input checked="" type="checkbox"/> Organization List - ICS 203  <input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204  <input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Medical Plan - ICS 206  <input checked="" type="checkbox"/> Incident Map  <input checked="" type="checkbox"/> Traffic Plan	<input checked="" type="checkbox"/> (Other)  <input type="checkbox"/>  <input type="checkbox"/>	
<p>9. Prepared by (Planning Section Chief) Andrew Murphy, PSC1 (T) </p>	<p>10. Approved by (Incident Commander) Marc Hafner, ICT1 (T) </p>		

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1. INCIDENT NAME <b>Sand CA-AEU-018237</b>			Chief	Charlie Blankenheim (Day) Dave Fulcher (Night)	
2. Date <b>07/28/14</b>		3. Time <b>2100</b>	Deputy	Mike Shorrock Abdul Ahmad (T)	
4. Operational Period <b>7/29/2014 - 07/30/14 0700-0700</b>			Crystal Staging	Forrest Rowell	
5. Incident Commander and Staff			a. Branch I - Division/Groups		
Position		Name	Branch Director	Michael Webb	
Incident Commander			Division/Group	A/C/M	Grant Ingram
Deputy			Division/Group	O	Stevie Long
Safety Officer			Division/Group		
Information Officer			Division/Group		
Liaison Officer			b. Branch II - Division/Groups		
6. Agency Representative			Branch Director	Mike Olivarria	
Agency	Name		Deputy		
EDSO	Greg Schwab		Division/Group	Q	J. Clinkenbeard
ACSO	John Silva		Division/Group	R	John Fredrick
CHP	Gibby Lee		Division/Group	W/X	Dave Munch
BLM	Matt Johnson		Division/Group		
CDCR	Michael Hill		c. Branch III - Division/Groups		
OES	Gary Humphrey		Branch Director		
Red Cross	David Kennedy		Deputy		
PG&E	Scott Holmquist		Division/Group	Suppression Repair	Tom Tinsley
USFS	Kyle Jacobson		Division/Group	Road Group	Jason Dyer
CCC	Dillon Thomas		Division/Group		
7. Planning Section			Division/Group		
Chief	Jeff Johnson / Andrew Murphy (T)		Division/Group		
Deputy	Josh Taylor		d. Air Operations Branch		
Resource Unit	Roger Noon / Gabe Garcia Rob Bartsch (T) / Ed Orre (T)		Air Operations Branch Director	Rob Sonsteng	
Situation Unit	Marshall Turbeville / Buddy Bloxham		Air Attack Supervisor		
GISS	Tim Werle		Air Support Supervisor	Anna Anderson / Stacy Hamilton	
IMET	Basil Newmerzhucky		Helicopter Coordinator		
FBAN	Don Boursier / Jeff Shelton (T)		Air Tanker Coordinator		
Documentation Unit	Kim Moore / Susan Hudson		10. Finance Section		
Demobilization Unit	Terry McGovern / Al Klem		Chief	Peter Byrnes	
Training	Claudia Soiza		Deputy	Rich Browne	
8. Logistics Section			Time Unit	Denise Ehnat	
Chief	Ken Lowe / Jessie Morris (T)		Procurement Unit	Jason McDermott	
Deputy	Larry Williams		Compensation/Claims Unit	Bud Sullins	
Supply Unit	Brian Robbins		Cost Unit	Bill Winter / Paul Purdy (T)	
Facilities Unit	Garrett Radovich				
Ground Support Unit	Marty Castanon / Jason Warden				
Communications Unit	John Aguilera				
Law Enforcement Liaison	John McCammon				
Medical Unit	David Morrison		Prepared by (Plans Section Chief)		
Food Unit	Dave McCoy		Andrew Murphy, PSC1 (T) 		
Motel Unit	Milford Ferguson				

# SAFETY MESSAGE

**EVENT: SAND Fire**

**DATE: July 29, 2014**

## Major Hazards and Risks:

**Steep Rocky Terrain:** -Watch your footing. Heavy fuels that are dead or dying.  
-Heads-up for rolling material. Watch for snags.  
-Review downhill/indirect line construction guidelines.

**Heat Disorders:** - Drink plenty of fluids. Stay away from caffeine. **Hydrate** early and often.  
-Recognize signs and symptoms of heat disorder.(dizziness, cold and clammy skin ,etc.)

**Driving:** -Drive Defensively! Base speed limit is **15 mph**.  
**-Mandatory: Seat belts and headlights on.**  
-Watch your speed. Be aware of local traffic and adhere to posted speed limits.  
**Community is re-populating area. Be aware and Slow DOWN !**

**Mine Shafts:** -Be aware of the mine shafts in the area. Flag them if you find them.  
**Hazard Trees:** Identify them, Flag the area, GPS them, and notify Div/Sups. (Refer to IRPG p 22)

**Communications:** -**Review Communications Plan before engaging.** Remain in communications with your supervisor at all times. Stay on your Tac's.

**Situational Awareness:** -Slow down and think! If you're not thinking safety in every action, then you're just not thinking!  
Check the Weather Reports for the day and night OPS.  
**Expect extreme fire behavior and react accordingly!**

## General Safety

- **Team leaders** – Recognize your safe employees that follow proper safety procedures.
- All Supervisors give 2 good, detailed safety briefings on LCES, 10 & 18, Comm. Plan, weather, per shift and log on your 214's.
- Wear appropriate PPE for the assigned task including eye protection.
- Use sunscreen.
- Watch for fatigue, take regular breaks, pace yourself and your crews.
- Make sure that Safety is notified of all injuries and accidents related to the incident.
- **Keep your head in the game. Stay alert. Complacency is your enemy!**
- **Situational Awareness at all times. Know what the fire is doing!**

**Safety Officer**

  
**Jack Wise (t)**

## INCIDENT RISK ANALYSIS (ICS 215a)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES	
ALL	DRIVING HAZARDS REPOPULATION	<ul style="list-style-type: none"> <li>• Drive defensively! Expect the unexpected around every curve.</li> <li>• Drive with headlights on.</li> <li>• Slow Down! Narrow dirt roads with limited passing room</li> <li>• Increase following distances. Maintain Situational Awareness.</li> <li>• Review Roadside Response Safety (IRPG p.26).</li> </ul>	
ALL	FATIGUE	<ul style="list-style-type: none"> <li>• Be alert for signs of fatigue and take breaks as necessary.</li> <li>• Maintain 2:1 work/rest ratio.</li> <li>• Monitor incoming resources for level of fatigue.</li> </ul>	
ALL	HYDRATION/ NUTRITION	<ul style="list-style-type: none"> <li>• Drinking water before, during and after shifts, up to 1.5 gal. per shift.</li> <li>• Be alert for signs of heat stress in yourself and others.</li> <li>• Maintain proper nutrition throughout the shift.</li> </ul>	
ALL	HEAT RELATED ILLNESS	<ul style="list-style-type: none"> <li>• Review "Specific Treatments" section of the IRPG (pg.38) for heat illnesses signs and treatment. Watch coworkers for signs and symptoms.</li> <li>• Take frequent breaks as needed and operationally feasible</li> <li>• Report any and all injuries to your Supervisor. Follow Medical Emergency Procedures as outlined on the ICS-206</li> </ul>	
ALL	MOPUP	<ul style="list-style-type: none"> <li>• Conduct thorough briefing for all personnel (inside rear cover IRPG).</li> <li>• Ensure LCES in place prior to engagement (IRPG p. 6).</li> <li>• Establish adequate safety zones (IRPG p.7).</li> <li>• Follow "Look Up, Look Down, Look Around" procedures (IRPG p. 2-3).</li> <li>• Utilize Risk Management Process (IRPG p.1).</li> </ul>	
ALL	MINE SHAFTS	<ul style="list-style-type: none"> <li>• Be alert for mine shafts, etc. in fire area. They may not be I.D'ed on maps.</li> <li>• If found, flag area, notify all line personnel, DIVS, OPSC, &amp; SOFR, keep personnel out of area.</li> </ul>	
ALL	POISONOUS INSECTS, SNAKES	<ul style="list-style-type: none"> <li>• Identify, avoid, and get treatment for any bites or stings.</li> <li>• Use caution (for bees) when drinking from opened cans.</li> </ul>	
ALL	POISON OAK	<ul style="list-style-type: none"> <li>• Review identification of poison oak.</li> <li>• Avoid poison oak, wash as frequently as possible. Use Technu if available.</li> <li>• Change clothing as possible.</li> </ul>	
ALL	POWER LINES	<ul style="list-style-type: none"> <li>• Follow Hazard Tree safety guidelines (IRPG pg.22)</li> <li>• Communicate power line hazards to all resources</li> <li>• Flag area around down power lines and deny access</li> <li>• PG&amp;E is working to restore power, consider all power lines "HOT".</li> </ul>	
A/C/ M Q W/X	HAZARD TREES	<ul style="list-style-type: none"> <li>• Follow Hazard Tree safety guidelines (IRPG pg.22)</li> <li>• Identify and report location to Falling Modules.</li> <li>• Avoid hazard by identifying "No Work Zones".</li> </ul>	
Incident Name: SAND		DATE PREPARED: July 28, 2014 1530hrs	OPERATIONAL PERIOD July 29, 2014
CS 215a		Prepared by: Jack Wise, Steve Walker ICT#2 SOF-T	0700-0700

## INCIDENT WEATHER FORECAST

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Incident: **Sand Fire**

Operational Period: **Tuesday July 29<sup>th</sup> 0700-0700**

Issued: 1700 PDT Monday July 28, 2014

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### DISCUSSION:

Strong 4-Corners high pressure builds towards CA. This high will produce SE flow aloft and swing a surge of monsoonal moisture northward along the Sierra today. Isolated thunderstorms are expected 20-40 miles east of the fire early Tuesday. However, drier air will push in behind this moisture late in the day Tuesday with clearing from south to north. Partly cloudy skies expected through early afternoon, followed by afternoon clearing and warmer/drier conditions. Hotter & drier conditions Wed-Thu with afternoon temperatures near or over 100 deg and Min RH near 10% each day. Winds will be mainly E/downslope overnight through mid-morning before switching over to a typical WSW/up-canyon wind by afternoon.

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### FORECAST:

**Today (Tuesday):** Partly cloudy through noon, then mostly sunny by afternoon. Distant thunderstorms to the north & east. Max temps 95-100 deg, Min RH 12-17%. Winds downslope/ E 3-6 mph with localized gusts near 15 mph thru late morning, otherwise becoming SW to Up-drainage 4-8 mph gusts 13 mph by afternoon.

**Tonight:** Clear. Min temps 65-70 deg. Max RH 45-50%. Winds light ENE//drainage 3-6 mph.

**Wednesday:** Mostly sunny & hot. Max temps 98-103 deg. Min RH 8-13%. Winds, becoming WSW 5-10 mph gusts 15 mph by afternoon. Gusts near 20 mph on upper slopes.

**Outlook for Thursday:** Sunny and hot. Max temp 98-103 deg, Min RH 8-13%. Winds becoming WSW 7-12 mph gusts 17 mph.

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Basil Newmerzhucky

*Basil Newmerzhucky*

Incident Meteorologist – Predictive Services

## FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 002	TYPE OF FIRE: Wildfire
FIRE NAME: Sand Fire	OPERATIONAL PERIOD: 07/29/14 0700-0700
DATE ISSUED: July 28, 2014	TIME ISSUED: 19:00
UNIT: CA-AEU-018237	SIGNED: <i>Jeff Shelton</i> Typed/printed: Jeff Shelton (FBTS)

### INPUTS

**WEATHER SUMMARY:** \*\*\* Continued Hot and Dry \*\*\*  
\*\*\* Isolated T-storms Late Tonight East of Fire \*\*\*

Persistent high pressure will continue to bring hot/dry conditions with only moderate humidity recoveries overnight (45-50%). Isolated thunderstorms are expected 20-40 miles east of the fire early in the shift, followed by drier air late in the day Tuesday. Expect clearing from south to north with warmer/drier conditions through the afternoon. Winds start light easterly, switching over to a WSW/up-canyon wind by afternoon.

**Max. Temperatures-** 95 to 100 deg. **Min. Humidity-** 12 to 17% **Winds-** SW 4 to 8 mph/Gusts to 13 mph

### OUTPUTS

#### FIRE BEHAVIOR

##### GENERAL:

- Fuels are very receptive. Your activities may be an ignition source.
- Areas where slope, fuel, and wind align must be identified for safe engagement.
- Spotting potential is high. New starts will develop rapidly!
- Favorable conditions for reburn still exist; Torching may promote short crown runs.
- Anticipate rollout as heavy fuels are continually weakened by deep seated fire.

##### SPECIFIC:

**All Divisions: Spot fires outside established containment lines or new starts...**

**Flame Lengths-** 3 to 6 ft. in Grass, Up to 17 ft. in Brush

**Rate of Spread-** 60 chains/hour in Grass, Up to 110 chains/hour in Brush

**Spotting Distances-** Up to .25 miles in Grass/Brush, Up to .4 miles in Timber (Torching)

**Probability of Ignition-** Over 90% at the peak of the burn period

##### AIR OPERATIONS:

Expect increasing visibility as the inversion breaks by mid-morning (09:00). Mixing heights will rise to 5,500 AGL during peak daytime heating. Anticipate terrain induced turbulence in areas with complex topography; especially near developing thunderstorms.

### SAFETY

**Monitor the Weather. Don't be Caught off Guard by Lowering Humidity and Increasing Wind!**

**Assume Dust Devils Will Carry Materials Across Containment Lines! Stay Alert!**

DIVISION ASSIGNMENT LIST	1. Branch <b>I</b>	2. Division/Group <b>Division A/C/M</b>
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3. Incident Name <b>Sand</b>	4. Operational Period Date: 7/29/2014 to 7/30/2014 Time: 0700-0700
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5. Operations Personnel			
Operations Chief	Charlie Blankenheim (Day) David Fulcher (Night)	Division/Group Supervisor	Grant Ingram George Huang (T)
Branch Director	Michael Webb	Branch Safety	Troy Bair

6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line
STC LNU 9143C	Geoff Belyea	19	0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
STC TCU 9441C*	Scott Fremd	18	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
STG AEU 9273G *	Clinton Hamilton	33	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
STG LNU 9140G	Derek Smith	31	0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-134*	Richard Bush	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-139*	Lu Estrade	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-140	John Bendalis	2	0800	0800	<input type="checkbox"/>	<input type="checkbox"/>

7. Control Operations  
 Continue to mop up 300 feet.  
 Pick up hose as appropriate.  
 Backhaul trash and equipment.

8. Special Instructions  
 Reporting location is Sand Ridge Rd and Hwy 49.  
 Division A/C/M will assume Division O at 1900.  
 FALM available to all Divisions, contact Branch II for falling needs.  
 Coordinate with ground support for backhaul needs.  
 \* Indicates a 12 hour resource

9. Division/Group Communication Summary:

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 151.2650 Tone 2 TX 159.3300	King NIFC	CDF Command 2	EMS	RX/TX 156.0750 TX 156.7	King NIFC	Calcord
Tactical Div/Group	RX/TX 154.2725 TX/RX 156.7	King NIFC	VFIRE 24	Air to Ground	RX/TX 159.4050 TX/RX 192.8	King NIFC	Air to Ground CDF TAC 22

Prepared by (Resource Unit Ldr.) Justin Petersen	Approved by (Planning Sect. Ch.) Andrew Murphy <i>agm</i>	Date 7/28/2014	Time 2300
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DIVISION ASSIGNMENT LIST	1. Branch <b>II</b>	2. Division/Group <b>Division Q</b>
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3. Incident Name <b>Sand</b>	4. Operational Period Date: 7/29/2014 to 7/30/2014      Time: 0700-0700
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5. Operations Personnel			
Operations Chief	<b>Charlie Blankenheim (Day) David Fulcher (Night)</b>	Division/Group Supervisor	<b>Jarrold Clinkenbeard</b>
Branch Director	<b>Mike Olivarria</b>	Branch Safety	<b>Michael Keegan</b>

6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line
STC LNU 9142C*	Greg Bertelli	19	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
STC TCU 9442C	Michael Blankenheim	18	DP 7 / 0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
STG TGU 9257G *	Jeff Gowan	37	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
STG TGU 9253G	Tim Solaire	35	DP 7 / 0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
FALB*	TBA	1	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
FALM Tree Master*	Dan Julian	3	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-50	Paul Henning	2	DP 7 / 0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-146 *	Alan Wharff	1	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-148 *	Dave Jackson	1	DP 7 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>

7. Control Operations  
 Continue to mop up 300 feet.  
 Pick up hose as appropriate.  
 Backhaul trash and equipment.

8. Special Instructions  
 FALM available to all Divisions, contact Branch II for falling needs.  
 Coordinate with ground support for backhaul needs.

\* Indicates a 12 hour resource

9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 151.2650 Tone 2 TX 159.3300	King NIFC	CDF Command 2	EMS	RX/TX 156.0750 TX 156.7	King NIFC	Calcord
Tactical Div/Group	RX/TX 151.1375 TX/RX 156.7	King NIFC	VTAC 11	Air to Ground	RX/TX 159.4050 TX/RX 192.8	King NIFC	Air to Ground CDF TAC 22

Prepared by (Resource Unit Ldr.) <b>Justin Petersen</b>	Approved by (Planning Sect. Ch.) <b>Andrew Murphy</b> <i>ajm</i>	Date 7/28/2014	Time 2300
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DIVISION ASSIGNMENT LIST	1. Branch <b>II</b>	2. Division/Group <b>Division W/X</b>
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3. Incident Name <b>Sand</b>	4. Operational Period Date: 7/29/2014 to 7/30/2014      Time: 0700-0700
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5. Operations Personnel			
Operations Chief	Charlie Blankenheim (Day) David Fulcher (Night)	Division/Group Supervisor	Dave Munch
Branch Director	Mike Olivarria	Branch Safety	Michael Keegan

6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line
<del>T/F SAND #1</del>	<del>Brian Newman</del>	<del>23</del>	<del>DP 2 / 0800</del>	<del>0800</del>	<input type="checkbox"/>	<input type="checkbox"/>
STG TCU 9477G*	Lavale West	33	DP 2 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-147	James Calwell	2	DP 2 / 0800	0800	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-138 *	Shawn Mitchell	1	DP 2 / 0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
<b>STC NEU 9230C</b>	<b>Bishop</b>					

7. Control Operations  
 Continue to mop up 300 feet.  
 Pick up hose as appropriate.  
 Backhaul trash and equipment.

8. Special Instructions  
 Division W/X will assume Division R at 1900hrs.  
 FALM available to all Divisions, contact Branch II for falling needs.  
 Coordinate with ground support for backhaul needs.  
 \* Indicates a 12 hour resource

9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 151.2650 Tone 2 TX 159.3300	King NIFC	CDF Command 2	EMS	RX/TX 156.0750 TX 156.7	King NIFC	Calcord
Tactical Div/Group	RX/TX 158.7375 TX/RX 156.7	King NIFC	VTAC 13	Air to Ground	RX/TX 159.4050 TX/RX 192.8	King NIFC	Air to Ground CDF TAC 22

Prepared by (Resource Unit Ldr.) Justin Petersen	Approved by (Planning Sect. Ch.) Andrew Murphy <i>ajm</i>	Date 7/28/2014	Time 2300
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DIVISION ASSIGNMENT LIST			1. Division/Group <b>Road Group</b>			
3. Incident Name <b>Sand</b>			4. Operational Period Date: 7/29/2014 to 7/30/2014		Time: 0700-0700	
5. Operations: Personnel						
Operations Chief		Charlie Blankenheim (Day) David Fulcher (Night)		Division/Group Supervisor	Jason Dyer*	
Branch Director				Branch Safety		
6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line
GRD*	TBA	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-43*	Randy Auker	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-129*	Willard Koop	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-130*	Marymee Jack	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-131*	Bruce Fields	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-142*	Kyle Kiser	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT E141	Butch Paula	2				
WT E136	Mike Williams	2				
WT E49	R. Bellion					
WT E132	D. Oker					
WT E41	J. Hill					
7. Control Operations						
Monitor and repair roads damaged by fire suppression.						
8. Special Instructions						
Reporting location is Crystal Staging * Indicates a 12 hour resource						
9. Division/Group Communication Summary						
Function	Frequency	System	Channel	Function	Frequency	System
Command	RX 151.2650 Tone 2 TX 159.3300	King NIFC	CDF Command 2	EMS	RX/TX 156.0750 TX 156.7	King NIFC
Tactical Div/Group	RX/TX 159.4725 TX/RX 156.7	King NIFC	VTAC 14	Air to Ground	RX/TX 159.4050 TX/RX 192.8	King NIFC
Prepared by (Resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy <i>agm</i>		Date 7/28/2014		Time 2300

DIVISION ASSIGNMENT LIST	1. Division/Group <b>Fireline Suppression Repair</b>	
3. Incident Name <b>Sand</b>	4. Operational Period Date: 7/29/2014 to 7/30/2014 Time: 0700-0700	

5. Operations Personnel			
Operations Chief	<b>Charlie Blankenheim (Day)</b> <b>David Fulcher (Night)</b>	Division/Group Supervisor	<b>Thomas Tinsley</b>
Branch Director		Branch Safety	

6. Resources Assigned this Period						
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	On Line	Off Line
STG AEU 9275G*	Josh Augustine	32	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
CRW Pine Grove 2*	TBA	15	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
CRW Growlersburg 5*	TBA	20	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-63*	Dustin Peterson	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-64*	Tim Bordges	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-66*	Robert Dominikus	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-67*	Mervin Vicini	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-68*	Shawn Stover	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-70*	Mel Emerson	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
DOZ PVT E-150*	Monte West	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
RESP*	Steve DeBendet	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
RESP*	Danell Eshnaur	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
<del>RESP*</del>	<del>Greg Leonard</del>	<del>1</del>	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
RESP*	Andy Hubb	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
RESP*	Patrick McDaniel	1	0800	1900	<input type="checkbox"/>	<input type="checkbox"/>
<b>RESP</b>	<b>Louis Robertson</b>					

7. Control Operations	<b>RESP Bob Little</b> Assess and repair damage caused by fire suppression. <b>WT PVT 89 D Forne</b> <b>WT PVT 88 R Mendoza</b>
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8. Special Instructions	Reporting location is Crystal Staging FALM available to all Divisions, contact Branch II for falling needs. Coordinate with ground support for backhaul needs. <b>* Indicates a 12 hour resource</b>
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9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	RX 151.2650 Tone 2 TX 159.3300	King NIFC	CDF Command 2	EMS	RX/TX 156.0750 TX 156.7	King NIFC	Calcord
Tactical Div/Group	RX/TX 159.2700 TX/RX 198.2	King NIFC	CDF TAC 15	Air to Ground	RX/TX 159.4050 TX/RX 192.8	King NIFC	Air to Ground CDF TAC 22

Prepared by (Resource Unit Ldr.) <b>Justin Petersen</b>	Approved by (Planning Sect. Ch.) <b>Andrew Murphy</b> <i>agm</i>	Date <b>7/28/2014</b>	Time <b>2300</b>
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**COMMUNICATIONS PLAN**

SAND

07/27/2014 1800

07/29/14 0700-0700

Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq	N or W	RX Tone/NAC	TX Freq	N or W	Tx Tone/NAC	Mode A, D or	Remarks
COMMAND	CDF CMD 2	ALL BRANCHES AND DIVISIONS	Rx 151.2650		103.5	Tx 159.3300		123.0	A	Tone 2
TACTICAL	VFIRE 24	DIV A/C/M	Rx 154.2725		156.7	Tx 154.2725		156.7	A	
TACTICAL	VFIRE 26	DIV O	Rx 154.3025		156.7	Tx 154.3025		156.7	A	
TACTICAL	VTAC 11	DIV Q	Rx 151.1375		156.7	Tx 151.1375		156.7	A	
TACTICAL	VTAC 12	DIV R	Rx 154.4525		156.7	Tx 154.4525		156.7	A	
TACTICAL	VTAC 13	DIV W/X	Rx 158.7375		156.7	Tx 158.7375		156.7	A	
TACTICAL	VTAC 14	ROAD GROUP	Rx 159.4725		156.7	Tx 159.4725		156.7	A	
TACTICAL	CDF TAC 15	FIRE SUPPRESSION REPAIR	Rx 159.2700		192.8	Tx 159.2700		192.8	A	
AIR/GROUND	CDF TAC 22	ALL BRANCHES AND DIVISIONS	Rx 159.4050		192.8	Tx 159.4050		192.8	A	
EMERGENCY	CALCORD	ALL BRANCHES AND DIVISIONS	Rx 156.0750		156.7	Tx 156.0750		156.7	A	USE AS TACTICAL FOR ALL MEDICAL EMERGENCIES
GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250			Tx 168.6250		110.9	A	
GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250			Tx 168.6250		110.9	A	INCIDENT RELATED EMERGENCIES ONLY
GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250			Tx 168.6250		110.9	A	INCIDENT RELATED EMERGENCIES ONLY

Prepared By (Communications Unit)

*[Signature]*

Incident Location

State CA

Latitude

Longitude

AMADOR AND EL DORADO COUNTIES

**JOHN AGUILERA, CAL FIRE IMT 2 - COML**

The convention calls for frequency lists to show four digits after the decimal place, followed by either an "N" or a "W", depending on whether the frequency is narrow or wide band. Mode refers to either "A" or "D" indicating analog or digital (e.g. Project 25) or "M" indicating mixed mode. All channels are shown if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.



<b>MEDICAL PLAN</b> ICS 206	1. INCIDENT NAME <b>Sand</b>	2. DATE PREPARED 07/28/2014	3. TIME PREPARED 1500	4. OPERATIONAL PERIOD 07/29/2014 0700 - 0700
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5. INCIDENT MEDICAL AID STATIONS			
MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
MERT	ICP - Above Ground Support - FULL MEDICAL STAFF		X
Expeditors Supply	MED TENT		X

6. TRANSPORTATION				
A. AMBULANCE SERVICES				
NAME	LOCATION	PHONE	PARAMEDICS	
			YES	NO
El Dorado County	480 Locust Road Diamond Springs	(530) 641-5220	X	
	<i>NO NIGHT HOIST CAPABILITIES</i>			
Helicopter 205	Day flight only - hoist capable	Line emergency procedure		X
Cal-Star 3	Night flight capable	Line emergency procedure	X	

B. INCIDENT AMBULANCES			
NAME	LOCATION	PARAMEDICS	
		YES	NO
El Dorado County Medic 289	Incident Staging Area - Sandridge Rd./Highway 49	X	
Ambulance on 12 hour day shift only	Night shift dispatch through Communications to Camino ECC	X	

7. HOSPITALS								
NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Med Net Channel								
Marshall Medical Center Lvl 3 Trauma, Stemi	1100 Marshall Way, Placerville	-	30	209-966-3631		X		X
Sutter Amador Hospital	200 Mission Blvd, Jackson	10	30	209-564-5000	X			X
UCD Medical Center Lvl 1 Trauma, Burn	2315 Stockton Blvd, Sacramento	20	60	916-734-2100	X		X	

**8. MEDICAL EMERGENCY PROCEDURES**

**EMERGENCY FREQUENCY: CALCORD - 156.0750**

**LINE EMERGENCY:**  
Crew Supervisor will contact Division Supervisor with patient complaint/condition and location.

- Division/Group Supervisor contacts:
  - Closest EMS resource
  - Communications Unit
- Communications Unit contacts:
  - Ground or Air ambulance as requested
  - Operations
  - Safety
  - Medical Unit
- Division Supervisor or designee will serve as point of contact and run medical emergency on assigned channel.
  - A pre-assigned tactical frequency (i.e. CALCORD) should be used for IWJ and only for duration of need.
- Communications Unit will clear command channel for emergency traffic as needed and only for duration of need.

**CAMP EMERGENCY:**  
Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident.

- Medical Unit contacts:
  - Communications
  - Safety
  - Logistics
  - Operations
  - Crew Supervisor
  - Comps/Claims

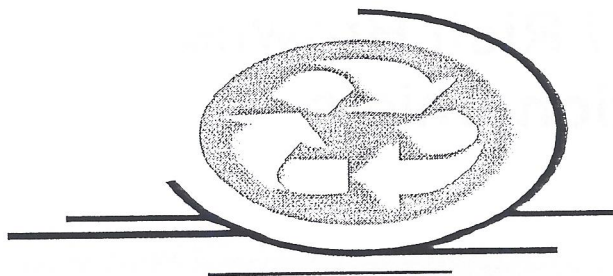
**INJURY REPORTING PROCEDURES**

NATURE OF INJURY \_\_\_\_\_  
 LOCATION OF PATIENT \_\_\_\_\_  
 POINT OF CONTACT \_\_\_\_\_  
 TRANSPORTATION REQUESTED BY: AIR \_\_\_ GROUND \_\_\_  
 POINT OF PICKUP \_\_\_\_\_  
 LAT \_\_\_\_\_ LONG \_\_\_\_\_  
 PATIENT UNIT ID \_\_\_\_\_  
 IS A PARAMEDIC 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.**

<b>ICS 206</b>	9. PREPARED BY: (Medical Unit Leader) David Morrison MEDL	10. REVIEWED BY: (Safety Officer) <i>[Signature]</i>
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Please place discarded  
paper in a box for  
pickup by CCC crews  
for recycle. Also please  
collect used unwanted  
printer cartridges in a  
box for recycle pickup  
by CCC.



**Sand Fire**  
**FINANCE MESSAGE**  
**July 29th 2014**

FC-33's

PLEASE REMEMBER TO CHECK IN WITH THE PERSONNEL TIME RECORDERS AND KEEP YOUR TIME UPDATED.

SHIFT TICKETS

SHIFT TICKETS MUST BE TURNED IN AT THE END OF EACH SHIFT BY AN AGENCY REPRESENTATIVE

OFFSITE FEEDING AND LODGING

ALL OFF-SITE FEEDING AND PURCHASES MUST BE APPROVED BY THE FINANCE SECTION CHIEF, LOGISTICS SECTION CHIEF OR I C. THERE MAY BE CASES WHERE WILL HAVE TO FEED OFF SITE IN THE OUT LYING DIVISIONS, BUT SUBJECT TO THE SAME APPROVAL PROCESS OUTLINED ABOVE.

PROPERTY DAMAGE & INJURIES

PLEASE REPORT ANY INJURIES AND ACCIDENTS TO THE FINANCE SECTION. IF YOU FIND DAMAGE CAUSED BY SUPRESSION ACTIVITIES PLEASE DOCUMENT ITS LOCATION, PHOTOGRAPH, IF POSSIBLE, AND REPORT TO COMP /CLAIMS.

BE SURE TO LOCK YOUR VEHICLES

**Pete Bymers / Rich Browne**  
**Finance Section Chiefs**

# TRAINING SPECIALIST MESSAGE

## Trainer / Mentors:

If in the event:

You are leaving the incident before your assigned trainee

Or

Your trainee is reassigned

You must complete a performance evaluation for the period the trainee was assigned to you

## TRAINEES:

*Beat the Rush!!*

*In order to receive documented credit for your training assignment – you must close out with the Training Specialist before you Demob!! If you're ready – DO IT NOW!*

*Bring the following to the "exit interview"*

- *A completed and signed ICS 225 or 226 Performance Evaluation*
- *A completed Exit Interview Form*
- *Trainee Evaluation Record*

*Forms are available at the Training Office*

Claudia Soiza

949 632-7813

Training Specialist



## LOCAL GOVERNMENT OVERHEAD

IF YOU ARE ON THE INCIDENT AFTER 7/29 FOLLOW THESE INSTRUCTIONS FOR REIMBURSEMENT.

COMPLETE YOUR F-42 or F-78.

FOLLOW INSTRUCTIONS ON BACK OF FRONT PAGE.

TAKE TO CALFIRE TIME UNIT LEADER FOR INCIDENT SIGNATURE IN BLOCK #14.

ONCE SIGNED, KEEP THE WHITE AND GOLDENROD COPIES.

GIVE PINK COPY TO THE CALFIRE TIME UNIT LEADER.

MAIL THE WHITE COPY TO :

Cal OES Fire and Rescue Division

3650 Schriever Ave.

Mather, CA 95655

Attn: Reimburesments

# SAND FIRE

## Agency Representative Contact Numbers

John Silva	Amador S.O.	209-419-0187
Gary Humphrey	Cal OES	916-952-5214
Greg Schwab	El Dorado County Op Area	530-957-9100
David Kennedy	Red Cross	916-835-8503
Brian Mulhollen	BLM	916-838-5149
Jim Byers	El Dorado County S. O.	530-957-2918
John Silva	Amador SO/OES	209-419-0187
Scott Holmquist	PG&E	530-710-4367
Michael Hardy	El Dorado County Fire Prot. Dist.	530-919-7700
Jack Daniels	Pioneer Fire Prot. Dist.	530-417-2109
Michael Hill	CDCR	916-224-8789
John Meuser	Placerville P.D.	530-642-5288
Scott Heller	Placerville P.D.	530-642-5210
Robert Combs	Diamond Springs Fire Prot. Dist.	530-306-8100
Mark Shipman	Wildfire Defense	530-412-1801
Gibby Lee	CHP	530-417-2266
Kyle Jacobson	USFS	530-545-0060
Mike Peters	El Dorado Disposal	530-313-4892
Dillon Thomas	CCC	530-721-1677

# Fire Suppression Repair Plan Sand Incident

## Outline

- I. Objectives
- II. General Repair Guidelines
  - A. Firelines; Hand and Dozer
  - B. Watercourses
  - C. Concentrations of Slash
  - D. Archaeological or Historic Sites (if discovered)
  - E. Site Specific Issues

## I. Objectives

The objective of this suppression repair plan is to mitigate possible adverse effects to resources resulting from fire suppression activities in a manner which does not compromise firefighter safety. Surface water/erosion control, protection of cultural resources, stabilization of facilities such as culverts, watercourse crossings, fence repair and the maintenance of site productivity for all lands involved in the incident are the focus of this work.

## II. General Repair Guidelines

### A. Repair Objectives – to reduce soil erosion and visual impacts.

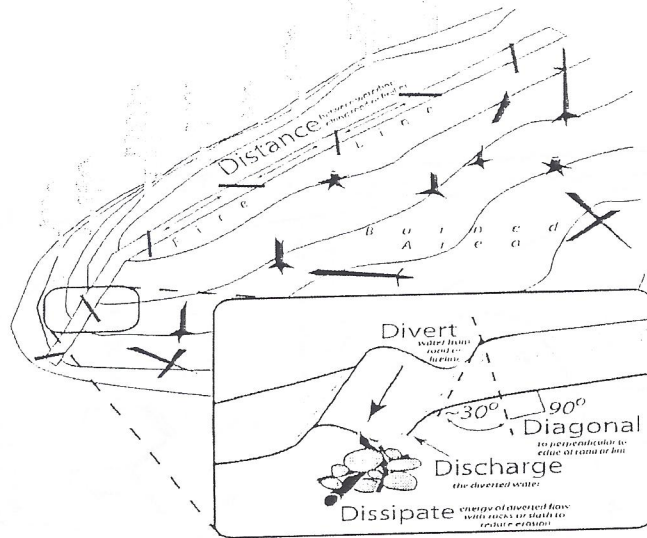
- Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fireline before it can build up enough energy to erode and transport sediment.

#### Waterbar Guidelines:

- **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. Install waterbars at the following recommended **minimum** intervals:

Fireline Gradient (% slope)	Minimum Distance Between Water-Bars (feet)
0 to 10	200
11 to 25	100
25+	50

- **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.
- **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 line waterbar depths should be at least 4 inches; total height from bottom of ditch to top of water-bar 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.
- **ANGLE:** Determine the average gradient in percent slope of the fireline being waterbarred. Add 5 to the average gradient. This approximates the angle in degrees for the water bar. Do not install water bars at an angle steeper than 45 degrees as this will increase water velocity rather than slow it down.



**B. Watercourses**

Remove all deposited soil from watercourses, swales or draws back to original level. Place waterbars on both sides of a watercourse where possible. Restore channel banks at fire line crossings to the bank shape see above and below the crossing. Pull perched soil from drainage edges and feather it out onto fire trail

- Remove fire suppression created debris from stream channels. Do not remove large woody debris (LWD) which was in channels prior to the fire.
- Major watercourse damage, if present, shall be reported to the SHU RM.
- Where fire lines are constructed within 100' of running watercourses, straw or wood chip mulching will be placed to prevent sediment from entering the watercourse. All loose soil must be pulled away from the watercourse and stabilized.
- Block access to stream channels where not previously accessible from roads and trails (utilize slash and or rock).

**C. Concentrations of Slash**

On areas that can not be adequately waterbarred or as an option to waterbarring, slash may be spread to cover the soil to minimize erosion. Branches and logs should be placed at contour and as thick as possible. Leave some amount of bare soil along the burned edge of the fire to prevent fire from carrying across the line. This work should be completed only after the fire is out and with the permission of Branch, Operations, or the IC.

- Piles created by suppression operations within 150' of permanent structures, public roads or private roads will be lopped and scattered within 18" of the soil surface.
- Scatter large concentrations of slash or debris (concentrations larger than 5ft x 5ft x 5ft).

**D. Archaeological or Historic Sites (if discovered)**

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

**G. Site Specific Issues**

These guidelines are in addition to specific guidelines which pertain to specific project sites. Due to the ongoing nature of the incident submittal of specific guidelines is incomplete. Additions will be submitted as on-the-ground reviews are completed.

Resource Advisors from Cooperating agencies are submitting their issues to the Suppression Repair Group. The Suppression Repair Group will keep the IC advised of site specific issues or repair requests that are not consistent with this plan prior to initiating any of those repair activities.

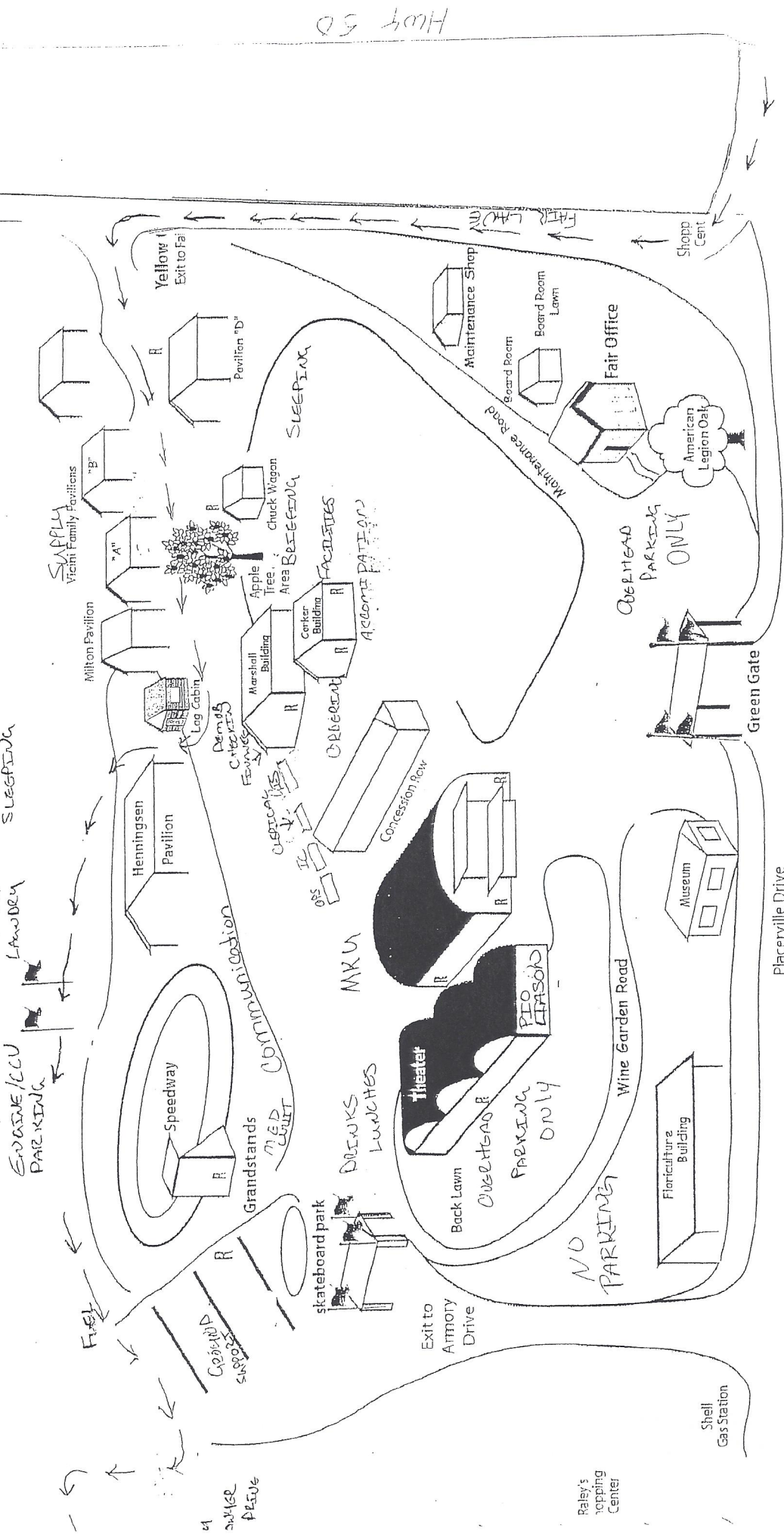


# El Dorado Fairgrounds

100 Placerville Drive • Placerville, CA 95667

N ↑

SWIMS/CCU PARKING  
SHOWERS/LAUNDRY  
CNCR  
SLEEPING

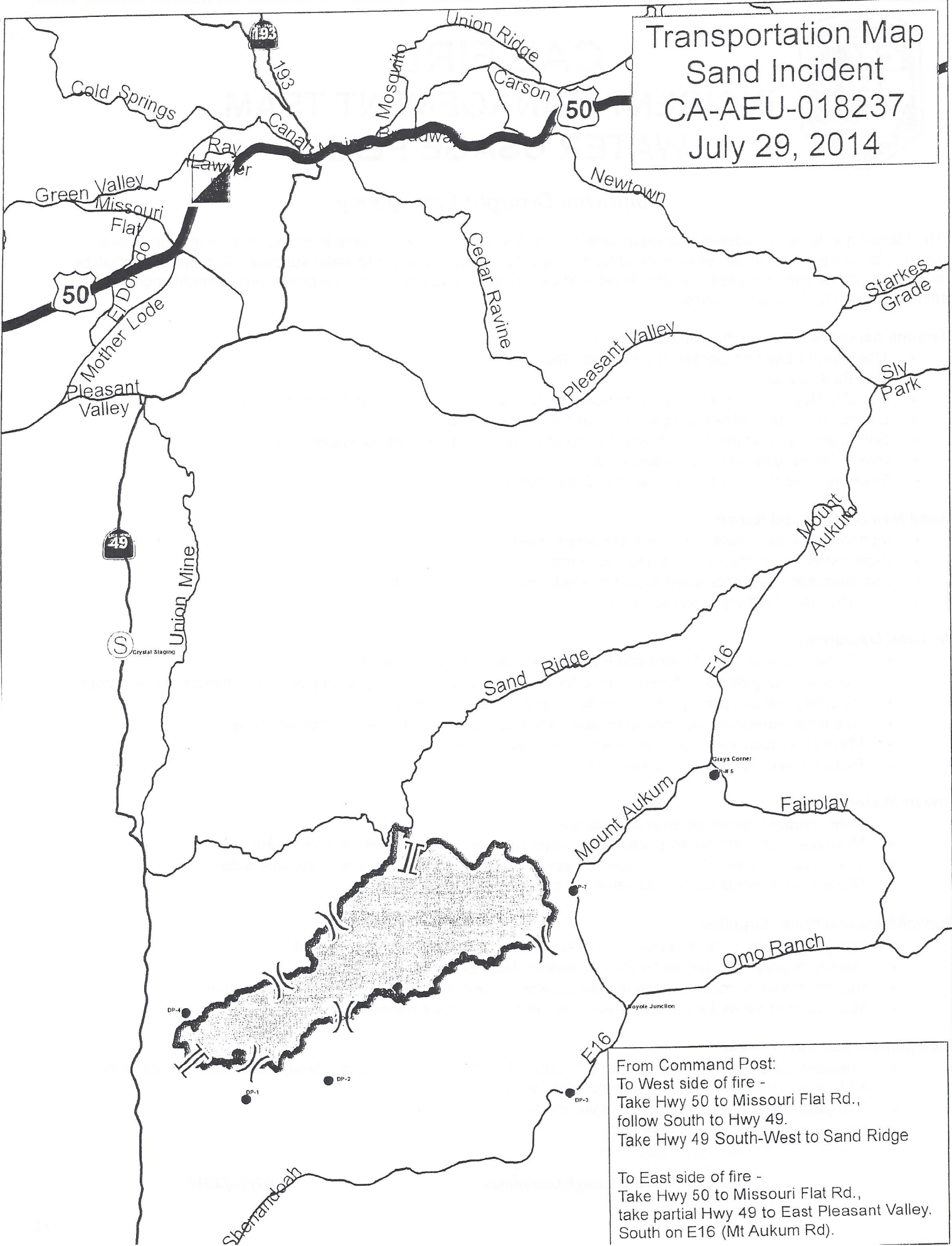


NOT TO SCALE

R = Restrooms

Raley's Shopping Center

Transportation Map  
 Sand Incident  
 CA-AEU-018237  
 July 29, 2014



From Command Post:  
 To West side of fire -  
 Take Hwy 50 to Missouri Flat Rd.,  
 follow South to Hwy 49.  
 Take Hwy 49 South-West to Sand Ridge

To East side of fire -  
 Take Hwy 50 to Missouri Flat Rd.,  
 take partial Hwy 49 to East Pleasant Valley.  
 South on E16 (Mt Aukum Rd.).



# CAL FIRE

## INCIDENT MANAGEMENT TEAM

### WATER USAGE PLAN

#### *California Drought Emergency*

The following shall be considered and implemented by all fire resources as a means to provide maximum efficiencies when utilizing water resources, while minimizing the impacts to private and public water supplies. Accountability shall be maintained for all water supplies that are utilized and care should be applied to ensure proper replacement and/or reimbursement to the supplier/owner.

#### **Fireline personnel-** (During mop up operations)

- Use Pencil Hose and Garden Nozzles with Shut-Offs.
- Use Back pumps.
- Use Dry Mop-up and consolidation of heavy fuels to areas where they can burn out safely.
- Locate/Relocate Firelines to lighter fuels or natural barriers when safe.
- Set up and use portable tanks in anticipation of longer transport times for Water Tenders.
- Use of foams, gels and other water enhancers.
- Evaluate need to mop up in excess of 200 feet from fireline.

#### **Road Maintenance and Repair-**

- Monitor and water roads only when and where needed.
- Water when most effective (evening and nights).
- Use chemical treatments when available (Magchloride, Omni bind etc.).
- Consider use of tertiary or treated water.

#### **Aviation Operations-**

- Consider use of Gels, Foams and Retardants. Set up portable plants.
- Consider using Blivits and Pencil Hose for interior mop up operations as opposed to numerous bucket drops.
- Establish and use pre-use agreements for existing and known water sources.
- Use large watershed dip sites when able. Minimize use of small, static ponds and lakes.
- Maintain accountability of water used and locations of dip sites.
- Evaluate need for interior bucket drops.

#### **Private Water Supplies-**

- Notify property owner as early as possible.
- Minimize usage and develop alternative water supplies when and where appropriate.
- Track usage (meter, ICS-214, Water Usage Reports) and develop a plan to replace water.
- Make arrangements for reimbursement and damage claims if needed.

#### **Public/Municipal Water Supplies-**

- Notify Agency as soon as possible and request a representative to the incident.
- Identify fill areas and request metering devices. Note locations on incident map.
- Use alternative or reclaimed water sources when available. Note locations on incident map.
- Make arrangements for reimbursement and damage claims if needed.

#### **Management and Supervision-**

- Consider complexity of water use on incidents. Establish a Water Supply Group Supervisor to coordinate additional resources to support the incident needs.
- Complete the Water Usage Report daily and turn in to Finance.
- Review this check list and brief daily.





