

CORRECTED COPY

SAND FIRE



INCIDENT ACTION PLAN

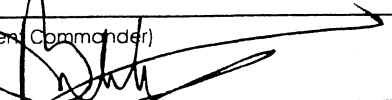
JULY 31, 2014 0700

TO

AUGUST 3, 2014 0700

CA-AEU-018237

CORRECTED COPY

INCIDENT OBJECTIVES	1. Incident Name	2. Date	3. Time
	Sand CAAEU 018237	07/30/14	1300
4. Operational Period 07/31/14 – 08/3/14 0700-0700			
5. General Control Objectives for the Incident (include alternatives)			
Management Objectives			
<ul style="list-style-type: none"> • Provide for emergency personnel and public safety at all times. • Protect agricultural values, natural and heritage resources. • Keep costs commensurate with values at risk. • Foster and Maintain Relationships with all Local Cooperators and Stakeholders 			
Control Objectives			
<ul style="list-style-type: none"> • Keep fire within existing control lines • Perform fire suppression repair in accordance with Unit expectations and departmental policy 			
6. Weather Forecast for Period See attached Weather Forecast			
7. General Safety Message See attached Safety Message			
8. Attachments (mark if attached)			
<input checked="" type="checkbox"/> Organization List - ICS 203	<input checked="" type="checkbox"/> Medical Plan - ICS 206	<input checked="" type="checkbox"/> (Other)	
<input checked="" type="checkbox"/> Div. Assignment Lists - ICS 204	<input checked="" type="checkbox"/> Incident Map	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Communications Plan - ICS 205	<input checked="" type="checkbox"/> Traffic Plan	<input type="checkbox"/>	
9. Prepared by (Planning Section Chief) Jeff Johnson, PSC1	10. Approved by (Incident Commander) Mike Olivarria, IC 		

EMMANUEL

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1 INCIDENT NAME			Chief		
Sand		CA-AEU-018237	Deputy		
2. Date		3. Time	Crystal Staging		
07/30/14		1300	a. Branch I - Division/Groups		
4. Operational Period			Branch Director		
7/31/2014 - 08/3/14		0700-0700			
Position		Name			
5. Incident Commander and Staff			Division/Group	A	Brian Newman
Incident Commander	Mike Olivarria		Division/Group	W	J Clinkenbeard / D Ito
Deputy			Division/Group	Suppression Repair	Tom Tinsley
Safety Officer	Grant Ingram		Division/Group		
			Division/Group		
Information Officer	Chris Anthony		b. Branch II - Division/Groups		
Liaison Officer			Branch Director		
6. Agency Representative			Deputy		
Agency	Name		Division/Group		
BLM	Brian Mulhollen		Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
			c. Branch III - Division/Groups		
			Branch Director		
			Deputy		
			Division/Group		
			Division/Group		
			Division/Group		
7. Planning Section			Division/Group		
Chief	Steve DeBenedet		Division/Group		
Deputy			d. Air Operations Branch		
Resource Unit			Air Operations Branch Director		
			Air Attack Supervisor		
Situation Unit	Darren McFarland		Air Support Supervisor		
Documentation Unit			Helicopter Coordinator		
Demobilization Unit			Air Tanker Coordinator		
Training			10. Finance Section		
8. Logistics Section			Chief		Bob Counts / Cassie Miller
Chief	Ryan Cash		Deputy		
Deputy			Time Unit		
Supply Unit	Jarod Tompkins		Procurement Unit		
Facilities Unit			Compensation/Claims Unit		
Ground Support Unit	Jason Warden		Cost Unit		
Communications Unit					
Law Enforcement Liaison					
Medical Unit					
Food Unit					
Motel Unit			Prepared by (Plans Section Chief)		
			Jeff Johnson, PSC1		

SAND FIRE SAFETY MESSAGE

We are ALL accountable for SAFE behaviors

SAND FIRE Day/Night

Thursday -Saturday

07/31-8/2/2014

MAJOR HAZARDS:

- INCIDENT DRIVING
- EXTREMELY LOW HUMIDITY
- HEAT STRESS AND HYDRATION
- FATIGUE

Fire Order of the Day –Maintain prompt communications with your forces, Your supervisor, and adjoining forces.

- ❖ **Fire Behavior** – Extremely dry fuel conditions, live fuel moisture is less than 50%. Steep Topography and Canyon Systems, monitor fire weather and indicators of extreme fire behavior. Anticipate changes in weather condition.
- ❖ **Health and Sanitation** - Secure rolling stock in vehicles, no trash on floor of apparatus. Keep work areas, and staging areas as clean as possible to reduce encounters with unwanted critters & camp crud.
- ❖ **Hydration/Nutrition** is becoming critical with higher temps and lowering relative humidity. Be alert to heat stress in yourself and others. Drink fluids coupled with proper nutrition to maintain peak performance.

Watch Out Situation of the Day



4. UNFAMILIAR WITH WEATHER AND LOCAL FACTORS INFLUENCING FIRE BEHAVIOR

Symptoms & Signs of Heat Illness

Heat Exhaustion: Victim will have cool, clammy skin; pale coloring; feel weak, dizzy and/or nauseous.

Treatment : Have individual sit in shade or cool area; administer fluids; loosen clothing and assure rest.

Heat Stroke: This is a medical emergency!! Victim will hot, dry, red skin and possible convulsions. These symptoms can progress to unconsciousness and death!

Treatment – Immediately cool individual's body by pouring water over them, especially the head and upper body. Contact the medical unit. Monitor the victim and provide whatever medical support necessary. Placing ice around the neck, groin and armpits can help speed the cool down.

“DO BASIC THINGS VERY WELL”

INCIDENT RISK ANALYSIS (ICS 215a)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES	
ALL	DRIVING HAZARDS REPOPULATION	<ul style="list-style-type: none"> • Drive defensively! Expect the unexpected around every curve. • Drive with headlights on. • Slow Down! Narrow dirt roads with limited passing room • Increase following distances. Maintain Situational Awareness. • Review Roadside Response Safety (IRPG p 26). 	
ALL	FATIGUE	<ul style="list-style-type: none"> • Be alert for signs of fatigue and take breaks as necessary. • Maintain 2:1 work/rest ratio. • Monitor incoming resources for level of fatigue. 	
ALL	HYDRATION/ NUTRITION	<ul style="list-style-type: none"> • Drinking water before, during and after shifts, up to 1.5 gal. per shift. • Be alert for signs of heat stress in yourself and others. • Maintain proper nutrition throughout the shift. 	
ALL	HEAT RELATED ILLNESS	<ul style="list-style-type: none"> • Review "Specific Treatments" section of the IRPG (pg 38) for heat illnesses signs and treatment. Watch coworkers for signs and symptoms. • Take frequent breaks as needed and operationally feasible • Report any and all injuries to your Supervisor. Follow Medical Emergency Procedures as outlined on the ICS-206 	
ALL	MOPUP	<ul style="list-style-type: none"> • Conduct thorough briefing for all personnel (inside rear cover IRPG). • Ensure LCES in place prior to engagement (IRPG p. 6). • Establish adequate safety zones (IRPG p.7). • Follow "Look Up, Look Down, Look Around" procedures (IRPG p. 2-3). 	
ALL	MINE SHAFTS	<ul style="list-style-type: none"> • Be alert for mine shafts, etc. in fire area. They may not be I.D'ed on maps. • If found, flag area, notify all line personnel, DIVS. OPSC. & SOFR, keep personnel out of area. 	
ALL	POISONOUS INSECTS, SNAKES	<ul style="list-style-type: none"> • Identify, avoid, and get treatment for any bites or stings. • Use caution (for bees) when drinking from opened cans. 	
ALL	POISON OAK	<ul style="list-style-type: none"> • Review identification of poison oak. • Avoid poison oak, wash as frequently as possible. Use Technu if available. • Change clothing as possible. 	
ALL	HAZARD TREES	<ul style="list-style-type: none"> • Follow Hazard Tree safety guidelines (IRPG pg.22) • Identify and report location to Falling Modules. • Avoid hazard by identifying "No Work Zones". 	
Incident Name: SAND ICS 215a		DATE PREPARED: July 29, 2014 1530hrs Prepared by: Jack Wise, Steve Walker ICT#2 SOF-T	OPERATIONAL PERIOD July 31 to August 3, 2014 0700-0700



SAND INCIDENT CLOSEOUTWEATHER FORECAST



DISCUSSION:

Strong high pressure that was centered over CA will build back towards the 4-Corners region over the next few days. This will result in drier southwesterly upper level flow, minimizing any thunderstorm chances for the region. Very little change to the day to day pattern except for a slight cooling trend into the weekend with temperatures falling back to seasonable, but still very warm/dry conditions. Winds will be mainly E/down-slope overnight thru mid morning before switching over to a typical WSW up-canyon wind by afternoon over the next few days. The 4-Corners High builds back towards CA next week, bringing a return to hot/dry conditions with temperatures 5-10 deg above normal (see map below).

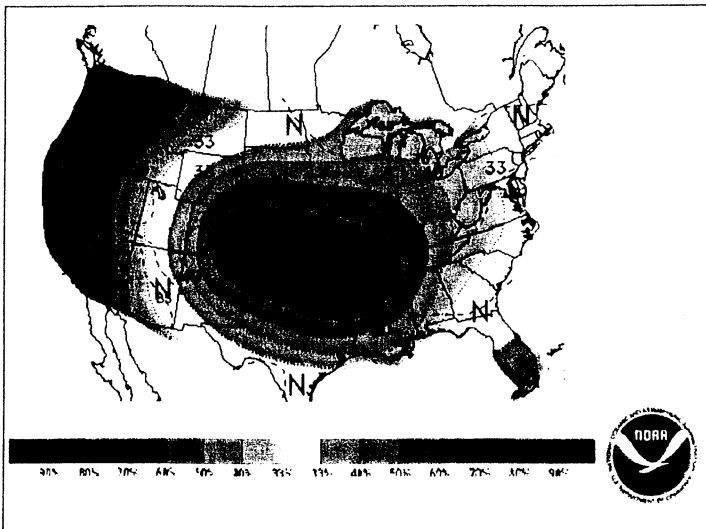
FORECAST:

Thursday: Mostly sunny & hot. Max temps 97-102 deg. Min RH 10-15%. Winds, becoming WSW 7-12 mph gusts 17 mph by afternoon. Gusts near 20 mph on upper slopes.

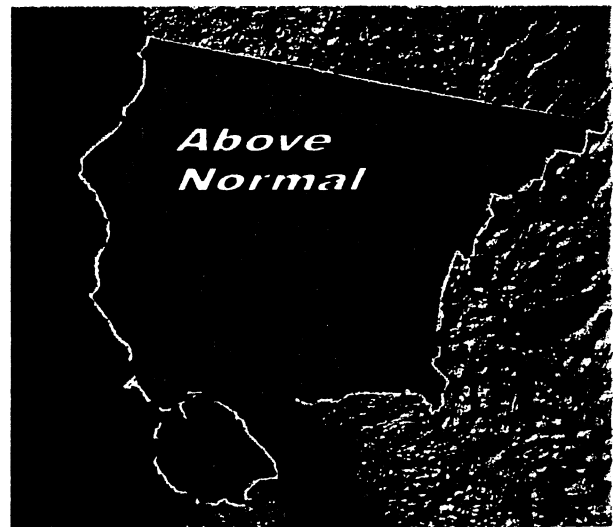
Thursday night: Clear. Min temps 67-72 deg. Max RH 39-44%. Winds ENE//drainage 3-6 mph.

Friday: Sunny and seasonably warm. Max temp 95-100 deg, Min RH 12-17%. Winds becoming WSW 7-12 mph gusts 17 mph.

Outlook for Saturday: Sunny. Max temp 93-98 deg, Min RH 14-19%. Winds becoming WSW 7-12 mph gusts 17 mph.



Temperature Departure From Normal Predicted for Mon Aug 4th – Fri Aug 8th



Northern CA Large Fire Potential Predicted for August 2014



Basil Newmerzhycky
Incident Meteorologist– Predictive Services

Basil Newmerzhycky

FIRE BEHAVIOR OUTLOOK

FIRE NAME: Sand Fire	OUTLOOK PERIOD (valid time period): 7/31-8/2/2014
DATE ISSUED: July 30, 2014	TIME ISSUED: 1200
UNIT: CA-AEU-18237	SIGNED: <i>Jeff Shelton</i>
	Typed/printed : Jeff Shelton, FBTS/LTAN (t)

WEATHER/CLIMATOLOGY DISCUSSION: High pressure will result in drier southwesterly upper level flow; minimizing any thunderstorm chances for the region. Very little change to the day to day pattern except for a slight cooling trend into the weekend with temperatures falling back to seasonable, but still very warm/dry conditions. Winds will be typical WSW up-canyon by afternoon over the next few days.

Thursday: Max Temps. 97-102 degrees, Min. RH 10-15%, Upslope winds WSW 7-12 mph gusts 17 mph.
 Friday: Max Temps. 95-100 degrees, Min. RH 12-17%, Upslope winds WSW 7-12 mph gusts 17 mph.
 Saturday: Max Temps. 98-98 degrees, Min. RH 14-19%, Upslope winds WSW 7-12 mph gusts 17 mph.

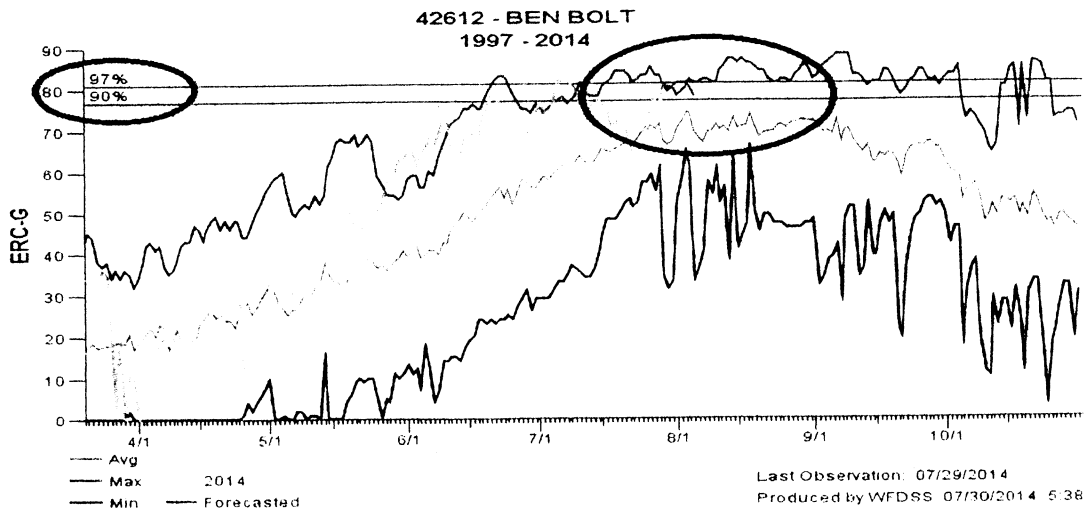
FIRE BEHAVIOR DISCUSSION (Peak Burn Period Extremes):

Short Range (Today, Tomorrow) and Medium Range (3 Days):

	Max. Flame Length	Max. Rate of Spread	Spotting	Probability of Ignition
Grass (Low Load)	< 6'	60 ch/hr	< .2 mile	90%
Grass (Moderate Load)	< 11'	110 ch/hr	< .3 mile	90%
Grass/Shrub Mix (<3' height)	< 7'	35 ch/hr	< .2 mile	90%
Brush (<15 years old)	< 17'	80 ch/hr	< .4 mile	90%
Brush (>15 years old)	< 17'	65 ch/hr	< .4 mile	90%

****minimum safety zone size for brush fuels is 1/2 acre for a Strike Team of Engines.**

Moderate probability for large fire development. Expect fires to be mainly topography/fuels dominated and may move into extended attack. Direct attack tactics should be attempted with caution. Fire growth will be dependent upon headfire and spotting. Vegetation that has an age class of 15 years or greater should be identified to support larger fire growth and containment challenges. Surprisingly fast rates of spread may develop with the alignment of wind, slope and solar pre-heating. Alignments must be identified for safe engagement.

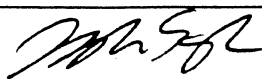


Smoke Concerns: Upper level 10-15 mph transport winds from the SW and a 5500'-6000' AGL mixing height.
Reassessment Criteria: Changing weather and conditions past the August 2nd expiration date of this forecast.

SAFETY

Light Fuels React Very Quickly to Changes in Humidity and Temperature. Plan Ahead!

DIVISION ASSIGNMENT LIST			2. Division/Group A and W				
3. Incident Name Sand			4. Operational Period Date: 7/31/2014 to 8/1/2014 Time: 0700-0700				
5. Operations Personnel							
Operations Chief				Division/Group Supervisor		DIV A: Newman (12 hr) DIV W: Clinkenbeard (24 hr)	
Branch Director				Branch Safety		Grant Ingram	
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 AEU 9270C	Newman	19	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
STG LNU 9141G	Ryan	34	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
CRW AEU Growlersburg 2	Voilett	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
CRW AEU Growlersburg 5	Resburg	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>	
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>	
GRD E-212	Hammond	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-44	Yost	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-45	Raine	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-48	Henning	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-148	Jackson	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
7. Control Operations Mop up and patrol to achieve full control of fire. Pull all hose, remove trash and complete fire suppression repair							
8. Special Instructions 1. Engine and Crew resources for 12 hr day shift 2. Utilities with 2 FF1's for 12 hr night shift 3. Meet at Crystal Staging							
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		King NIFC	
Prepared by (Resource Unit Ldr.) Rob Bartsch		Approved by (Planning Sect. Ch.) Steve Debenedet			Date 7/30/2014		Time 1300



DIVISION ASSIGNMENT LIST		2. Division/Group A and W	
3. Incident Name Sand		4. Operational Period Date: 8/2/2014 to 8/3/2014 Time: 0700-0700	

5. Operations Personnel			
Operations Chief		Division/Group Supervisor	DIV A: Newman (12 hr) DIV W: Clinkenbeard (24 hr)
Branch Director		Branch Safety	Grant Ingram

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 AEU 9270C	Newman	19	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
STG LNU 9141G	Ryan	34	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
CRW AEU Growlersburg 2	Volett	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
CRW AEU Growlersburg 5	Resburg	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>
GRD E-212	Hammond	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-44	Yost	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-45	Raine	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-48	Henning	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>
WT PVT E-148	Jackson	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>

7. Control Operations Mop up and patrol to achieve full control of fire. Pull all hose, remove trash and complete fire suppression repair

8. Special Instructions 1. Engine and Crew resources for 12 hr day shift 2. Utilities with 2 FF1's for 12 hr night shift 3. Meet at Crystal Staging
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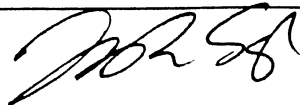
9. Division/Group Communication Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
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Tactical Div/Group	RX/TX 154.2725 TX/RX 156.7	King NIFC	VFIRE 24	Air to Ground		King NIFC	

Prepared by (Resource Unit Ldr.) Rob Bartsch	Approved by (Planning Sect. Ch.) Steve Debenedet	Date 7/30/2014	Time 1300
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John SGL

DIVISION ASSIGNMENT LIST			2. Division/Group A and W				
3. Incident Name Sand			4. Operational Period Date: 8/1/2014 to 8/2/2014 Time: 0700-0700				
5. Operations Personnel							
Operations Chief				Division/Group Supervisor		DIV A: Newman (12 hr) DIV W: Ito (24 hr)	
Branch Director				Branch Safety		Grant Ingram	
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 AEU 9270C	Newman	19	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
STG LNU 9141G	Ryan	34	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
CRW AEU Growlersburg 2	Volett	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
CRW AEU Growlersburg 5	Resburg	18	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>	
Utility P/U		2	1900	0700	<input type="checkbox"/>	<input type="checkbox"/>	
GRD E-212	Hammond	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-44	Yost	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-45	Raine	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-48	Henning	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-148	Jackson	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
7. Control Operations Mop up and patrol to achieve full control of fire. Pull all hose, remove trash and complete fire suppression repair							
8. Special Instructions 1. Engine and Crew resources for 12 hr day shift 2. Utilities with 2 FF1's for 12 hr night shift 3. Meet at Crystal Staging							
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		King NIFC	
Prepared by (Resource Unit Ldr.) Rob Bartsch		Approved by (Planning Sect. Ch.) Steve Debenedet			Date 7/30/2014		Time 1300



DIVISION ASSIGNMENT LIST				1. Division/Group Fireline Suppression Repair			
3. Incident Name Sand				4. Operational Period Date: 7/31/2014 to 8/3/2014 Time: 0700-0700			
5. Operations Personnel							
Operations Chief			Resource Advisor		Thomas Tinsley*		
Branch Director			Branch Safety		Grant Ingram		
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	
CRW AEU Pinegrove 3*	How Drummond	16	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
CRW AEU Pinegrove # 2		14	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
DOZ PVT E-63*	Dustin Peterson	4	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
DOZ PVT E-60*	Robert Dominikus	4	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
DOZ PVT E-70*	Mel Emerson	4	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
DOZ PVT E-150*	Monte West	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
WT PVT E-88*	Dennis Forni	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
RESP*	Danell Eshnaur	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
RESP*	Louis Robertson	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
RESP*	Andy Hubbs	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
RESP*	Patrick McDaniel	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
RESP*	Bob Little	1	0700	1900	<input type="checkbox"/>	<input type="checkbox"/>	
7. Control Operations Repair damage caused by fire suppression.							
8. Special Instructions Reporting location is ICP * 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		King NIFC	
Prepared by (Resource Unit Ldr.) Rob Bartsch		Approved by (Planning Sect. Ch.) Steve DeBenedet			Date 7/30/2014		Time 1300



INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name

SAND

Date/Time Prepared


07/30/2014 1000

Operational Period Date/Time

07/31/2014 -- 08/02/2014 0700-0700

Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or	Remarks
1	COMMAND	CDF CMD 2	ALL BRANCHES AND DIVISIONS	Rx 151.2650	103.5	Tx 159.3300	123.0	A	Tone 2
2	TACTICAL	VFIRE 24	ALL BRANCHES AND DIVISIONS	Rx 154.2725	156.7	Tx 154.2725	156.7	A	
3									
4									
5									
6									
7									
8									
9									
10									
11									
12	EMERGENCY	CALCORD	ALL BRANCHES AND DIVISIONS	Rx 156.0750	156.7	Tx 156.0750	156.7	A	USE AS TACTICAL FOR ALL MEDICAL EMERGENCIES
13									
14									
15									
16	GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250		Tx 168.6250	110.9	A	INCIDENT RELATED EMERGENCIES ONLY
17									
18									
19									
20	GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250		Tx 168.6250	110.9	A	INCIDENT RELATED EMERGENCIES ONLY

Prepared By (Communications Unit)

JOHN AGUILERA, CAL FIRE IMT 2 - COML 

Incident Location AMADOR AND EL DORADO COUNTIES

State CA Latitude Longitude

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 as if programmed in a control station, mobile or portable radio. Repeater and base stations must be programmed with the Rx and Tx reversed.

MEDICAL PLAN ICS 206	1. INCIDENT NAME Sand	2. DATE PREPARED 07/30/2014	3. TIME PREPARED 1400	4. OPERATIONAL PERIOD 7/31/2014-8/3/2014 0700 - 0700
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5. INCIDENT MEDICAL AID STATIONS			
MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
NONE ASSIGNED	USE OF ENGINE PERSONEL FOR EVALUATION		X
			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 CHP H-20	Night flight capable – Day hoist only	Line emergency procedure		X
Cal-Star 3	Night flight capable	Line emergency procedure	X	

B. INCIDENT AMBULANCES			
NAME	LOCATION	PARAMEDICS	
		YES	NO
NONE ASSIGNED	SYSTEM STATUS CAMINO DISPATCH		

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 IW1 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.

Sand Fire

FINANCE MESSAGE

Finance will be relocating to the
Marriott Hotel – Sacramento on July 31st
11211 Point East Dr.
Rancho Cordova
916-638-1100

Finance Section Chiefs

Pete Bymers 916-764-5074

Rich Browne 559-799-2470

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.

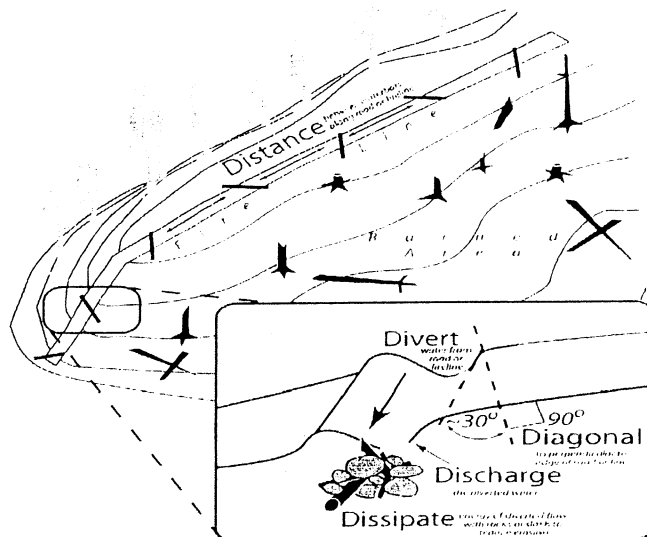
- Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fireline before it can build up enough energy to erode and transport sediment.

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.



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.

CAL FIRE INCIDENT MANAGEMENT TEAM WATER USAGE LOG

DATE: _____

Division / Group: _____

AGENCY ID / VENDOR: _____

I.e.. Strike Team 1110C, Acme Water Tenders

REQUEST # _____

TURN INTO FINANCE DAILY

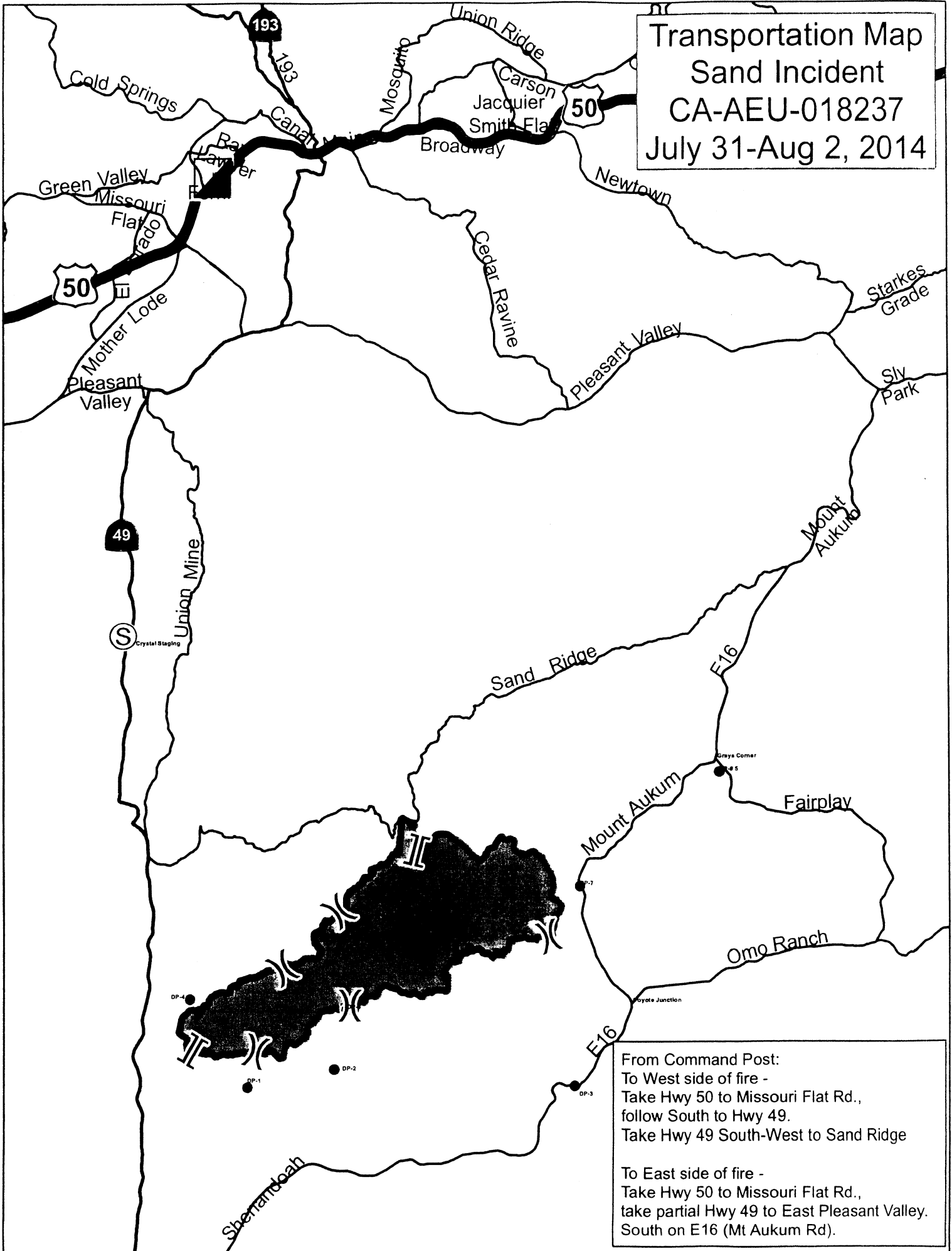
WATER SOURCE LOCATION	Hydrant	Open source i.e. pond	Tank	Gallons Used	Property Owner / Contact Number if known **

****Please note if you made contact with property owner and their contact.
(Use reverse side if needed.)**

Information: _____

The intent of this document is intended to track, record and validated the amount of water used on a incident. It's not intended to review the performance of equipment using the water on an incident.

Transportation Map
 Sand Incident
 CA-AEU-018237
 July 31-Aug 2, 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).

