

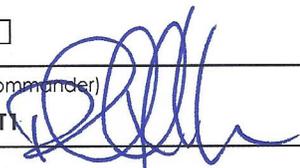
SAND INCIDENT



INCIDENT ACTION PLAN

**JULY 28, 2014 0700
TO
JULY 29, 2014 0700**

CA-AEU-18237

INCIDENT OBJECTIVES	1. Incident Name Sand CAAEU 018237	2. Date 07/27/14	3. Time 2130
4. Operational Period 07/28/14 – 07/29/14 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. • Minimize damage to structures, private property and other improvements in and around the fire. • 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 North of Bell Road • Keep Fire South of the North Fork of the Cosumnes River • Keep Fire East of Highway 49 • Keep Fire West of E-16 Shenandoah Road 			
6. Weather Forecast for Period See attached Spot 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) Andrew Murphy, PSC1 (T) 	10. Approved by (Incident Commander) Phill Veneris, Deputy ICTI 		

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1. INCIDENT NAME			Chief		Charlie Blankenheim (Day) Dave Fulcher (Night)
Sand		CA-AEU-018237	Deputy		Mike Sherrock / John Messina (T) Adam Ahmad (T)
2. Date	3. Time		Crystal Staging		Forrest Rowell
07/28/14	0100		a. Branch I - Division/Groups		
4. Operational Period			Branch Director		Scott Lindgren
7/28/2014 - 07/29/14		0700-0700	Deputy		
Position	Name		Division/Group		
5. Incident Commander and Staff			A/C/M	Jeffrey Reyes	
Incident Commander	Glenn Patterson / Mark Hafner (T)		Division/Group	O	Dennis Hunt
Deputy	Phill Veneris / Brett Gouvea (T)		Division/Group		
Safety Officer	Gary Curtis / Steve Walker (T)		Division/Group		
	Jack Wise (T)		Division/Group		
Information Officer	Scott McLean / Ron Oatman		b. Branch II - Division/Groups		
Liaison Officer	Mike Martin / Ron Myers		Branch Director		Sean Norman
6. Agency Representative			Deputy		
Agency	Name		Division/Group	Q	Matt Sisneros
EDSO	Greg Schwab		Division/Group	R	Jim Vierra
ACSO	John Silva		Division/Group	W/X	Brad Albertazzi
CHP	Gibby Lee		Division/Group		
BLM	Matt Johnson		Division/Group		
CDCR	Michael Hill				
OES	Gary Humphrey		Branch Director		
Red Cross	David Kennedy		Deputy		
PG&E	Scott Holmquist		Division/Group		
USFS	Kyle Jacobson		Division/Group		
7. Planning Section			Division/Group		
Chief	Jeff Johnson / Andrew Murphy (T)		Division/Group	Suppression Repair	Tom Tinsley
Deputy	Josh Taylor		Division/Group	Roads	John Fredrick
Resource Unit	Roger Noon / Gabe Garcia		c. Air Operations Branch		
	Rob Bartsch (T) / Ed Orre (T)		Air Operations Branch Director		Rob Sonsteng
Situation Unit	Marshall Turbeville		Air Attack Supervisor		Jake Sjolund
Documentation Unit	Kim Moore		Air Support Supervisor		Anna Anderson / Stacy Hamilton
Demobilization Unit	Terry McGovern / Al Klem		Helicopter Coordinator		Alex Lujan
Training	Claudia Soiza		Air Tanker Coordinator		
8. Logistics Section			10. Finance Section		
Chief	Ken Lowe / Jessie Morris (T)		Chief		Peter Byrnes
Deputy	Larry Williams		Deputy		Rich Browne
Supply Unit	Brian Robbins		Time Unit		Dennis Ehnat
Facilities Unit	Garrett Radovich		Procurement Unit		Jason McDermott
Ground Support Unit	Marty Castanon / Jason Warden		Compensation/Claims Unit		Bud Sullins
Communications Unit	John Aguilera		Cost Unit		Bill Winter / Paul Purdy (T)
Medical Unit	David Morrison				
Food Unit	Dave McCoy				
Motel Unit	Milford Ferguson				
			Prepared by (Plans Section Chief)		
			Andrew Murphy, PSC1 (T) 		

DIVISION ASSIGNMENT LIST		1. Branch BRANCH I		2. Division/Group DIV A/C/M		Latitude/Longitude	
3. Incident Name SAND		4. Operational Period Date: 7/28/2014 to 7/29/2014 Time: 0700 - 0700					
5. Operations Personnel							
Operations Chief		Charles Blankenheim(Day) David Fulcher (Night)		Branch Director		Scott Lindgren	
Branch Safety Officer		Matt Bergstrand Steven Pendergrass** Bret Mctigue (T)**		Division/Group Supervisor		Jeffrey Reyes	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line	
STC MEU 9110C**	Dale Barnett	17		See Special Instructions			
STC SHU 9243C	Todd Garber	18		See Special Instructions			
STG TUU 9472G	Donald Abbott	36		See Special Instructions			
STG HUU 9124G	David Tikkanen	33		See Special Instructions			
FALM	TBA	2		See Special Instructions			
WT PVT E-139	Lu Estrada	2		See Special Instructions			
WT PVT E-140	John Bendalls	2		See Special Instructions			
WT PVT E-141	Jesse Slotte	2		See Special Instructions			
WT PVT E-144	Sam Wright	2		See Special Instructions			
7. Control Operations Division shall be referred to as Division A. Patrol and mop up 300 feet in and improve line where needed. Identify hazard trees and contact FALM.							
8. Special Instructions: All resources report to Highway 49 and Sand Ridge Road at 0800. ** = Indicates a 12-hour resource.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7
Tactical Div/Group VFIRE 24	154.2725 RX 154.2725 TX	Radio	2 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2056

DIVISION ASSIGNMENT LIST		1. Branch BRANCH I		2. Division/Group DIV O		Latitude/Longitude	
3. Incident Name SAND		4. Operational Period Date: 7/28/2014 to 7/29/2014 Time: 0700 - 0700					
5. Operations Personnel							
Operations Chief		Charles Blankenheim(Day) David Fulcher (Night)		Branch Director		Scott Lindgren	
Branch Safety Officer		Matt Bergstrand Steven Pendergrass** Bret Mctigue (T)**		Division/Group Supervisor		Dennis Hunt	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line	
STC CZU 9171C	Aldo Gonzalez	18		See Special Instructions			
STC NEU 9232C**	Christopher Payette	18		See Special Instructions			
STG SHU 9244G	Russel Miles	33		See Special Instructions			
STG TCU 9481G	Sam Cousins	35		See Special Instructions			
CRW TNF Truckee IHC**	Bobby Hubby	19		See Special Instructions			
CRW TNF Tahoe IHC**	Eric Rice	20		See Special Instructions			
WT PVT E-46	James Netzel	2		See Special Instructions			
WT PVT E-149	Ashworth, Bob	2		See Special Instructions			
7. Control Operations Keep fire within existing containment lines. Patrol and mop up 150 feet in and improve line where needed.							
8. Special Instructions: All resources report to Highway 49 and Sand Ridge Road at 0800. ** = Indicates a 12-hour resource.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7
Tactical Div/Group VFIRE 26	154.3025 RX 154.3025 TX	Radio	4 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy		Date 7/27/2014		Time 2104	

DIVISION ASSIGNMENT LIST		1. Branch BRANCH II		2. Division/Group DIV-Q		Latitude/Longitude	
3. Incident Name SAND		4. Operational Period Date: 7/28/2014 to 7/29/2014 Time: 0700 - 0700					
5. Operations Personnel							
Operations Chief		Charles Blankenheim(Day) David Fulcher (Night)		Branch Director		Sean Norman	
Branch Safety Officer		Matt Newberry Mike Keegan**		Division/Group Supervisor		Matt Sisneros / John Lamb (T)	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line	
STC MRN 9150C**	Chris Martinelli	18		DP6/0800			
STC SCU 9160C	Tom Lubas	19		DP6/0800			
STC MMU 9420C	Steven Ward	16		DP6/0800			
STG TGU 9254G	Todd Horton	32		DP6/0800			
STG LNU 9141G	Kevin Ryan	34		DP6/0800			
STG HUU 9122G**	Owen Head	33		DP6/0800			
FALM	TBA	3		DP6/0800			
WT PVT E-137	Mike Phelts	2		DP6/0800			
WT PVT E-136	Mike Williams	2		DP6/0800			
WT PVT E-148	Dave Jackson	2		DP6/0800			
WT PVT E-145	Dale Harker	2		DP6/0800			
WT PVT E-50	Paul Henning	3		DP6/0800			
WT PVT E-42	TBA	2		DP6/0800			
7. Control Operations							
Keep fire within existing containment lines.							
Mop up 150 feet in and improve line where needed.							
Identify hazard trees and contact FALM.							
8. Special Instructions:							
** = Indicates a 12-hour resource.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7
Tactical Div/Group VTAC 11	151.1375 RX 151.1375 TX	Radio	5 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2123

DIVISION ASSIGNMENT LIST		1. Branch BRANCH II		2. Division/Group DIV R		Latitude/Longitude	
3. Incident Name SAND		4. Operational Period Date: 7/28/2014 to 7/29/2014 Time: 0700 - 0700					
5. Operations Personnel							
Operations Chief		Charles Blankenheim(Day) David Fulcher(Night)		Branch Director		Sean Norman	
Branch Safety Officer		Matt Newberry Michael Keegan**		Division/Group Supervisor		Jim Vierra	
6. Resources Assigned this Period							
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line	
STC LNU 9144C	Gino Degraffenreid	16		DP7/0800			
STC BEU 9460C	Dann Suarez	17		DP7/0800			
T/F ENF 353**	Troy Nelson	30		DP7/0800			
STG BDU 9385G	Mike Jennings	33		DP7/0800			
STG HUU 9126G**	Eric Rudesill	36		DP7/0800			
STG NEU 9231G	Bryan Farrell	3		DP7/0800			
DOZ SHU 2444	Clay Norman	2		DP7/0800			
WT PVT E-49	Paul Henning	2		DP7/0800			
WT PVT E-48	Paul Henning	3		DP7/0800			
WT PVT E-45	Paul Raine	2		DP7/0800			
WT PVT E-41	TBA	1		DP7/0800			
7. Control Operations Patrol and mop up 300 feet in. Pay special attention to homes within fire perimeter.							
8. Special Instructions: ** = Indicates a 12-hour resource.							
9. Division/Group Communication Summary							
Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7
Tactical Div/Group VTAC 12	154.4525 RX 154.4525 TX	Radio	6 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2134

DIVISION ASSIGNMENT LIST				1. Branch BRANCH II	2. Division/Group DIV W/X	Latitude/Longitude		
3. Incident Name SAND				4. Operational Period Date: 7/28/2014 to 7/29/2014				Time: 0700 - 0700
5. Operations Personnel								
Operations Chief		Charles Blankenheim(Day) David Fulcher (Night)		Branch Director		Sean Norman		
Branch Safety Officer		Matt Newberry Michael Keegan**		Division/Group Supervisor		Brad Albertazzi		
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line		
STC SCU 9161C	Scott Witt	18		DP1/0800				
STC LNF 3615C**	John Hubbard	26		DP1/0800				
STG CZU 9174G	Anthony Anderson	32		DP1/0800				
CRW SQF Breckenridge IHC**	Adam Sanders	20		DP1/0800				
CRW PNF Plumas IHC**	Jack Sevelson	20		DP1/0800				
CRW Durango Helishots**	TBA	20		DP1/0800				
CRW ANF Bear Divide HS IHC**	Douglas Bennick	20		DP1/0800				
FALM Ventures Inc	Eldon Cyress	2		DP1/0800				
WT PVT E-147	James Calwell	2		DP1/0800				
WT PVT E-47	TBA	1		DP1/0800				
WT PVT E-138	TBA	2		DP1/0800				
WT PVT E-132	Doug Oilar	2		DP1/0800				
WT PVT E-133	Doug Oiler	2		DP1/0800				
7. Control Operations Patrol and mop up 300 feet in. Identify hazard trees and contact FALM.								
8. Special Instructions: ** = Indicates a 12-hour resource.								
9. Division/Group Communication Summary								
Function	Frequency	System	Channel	Function	Frequency	System	Channel	
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7	
Tactical Div/Group VTAC 13	158.7375 RX 158.7375 TX	Radio	5 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8	
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2145	

DIVISION ASSIGNMENT LIST				1. Branch	2. Division/Group CRYSTAL STAGING	Latitude/Longitude		
3. Incident Name SAND				4. Operational Period Date: 7/28/2014 to 7/29/2014				Time: 0700 - 0700
5. Operations Personnel								
Operations Chief		Charles Blankenheim(Day) David Fulcher(Night)		Branch Director				
Safety Officer				Staging Area Manager		Forrest Rowell**		
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line		
DOZ NEU 2340**	Andy Adams	2		Crystal Staging /0800				
DOZ LNU 1445**	Jeff Deforge	1		Crystal Staging /0800				
DOZ PVT E-64 **	Tim Bordges	1		Crystal Staging /0800				
DOZ PVT E-70**	Mel Emerson	1		Crystal Staging /0800				
DOZ PVT E-150**	Monte West	1		Crystal Staging /0800				
DOZ PVT E-67**	Mervin Vicini	1		Crystal Staging /0800				
DOZ PVT E-68**	Shawn Stover	1		Crystal Staging /0800				
DOZ PVT E-154**	Robert Shanks	1		Crystal Staging /0800				
DOZ PVT E-66**	Robert Dominikus	1		Crystal Staging /0800				
WT ENF 5**	Jeremy Gifford	1		Crystal Staging /0800				
WT ENF 6**	Brandon Sanchez	1		Crystal Staging /0800				
WT PVT E-135**	Randy Klar	1		Crystal Staging /0800				
WT PVT E-134**	Richard Bush	1		Crystal Staging /0800				
7. Control Operations Maintain a 3 minute standard response.								
8. Special Instructions: ** = Indicates a 12-hour resource.								
9. Division/Group Communication Summary								
Function	Frequency	System	Channel	Function	Frequency	System	Channel	
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7	
Tactical Div/Group CDF TAC 16	159.2850 RX 159.2850 TX	Radio	10 Tone: 192.8	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8	
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2213	

DIVISION ASSIGNMENT LIST				1. Branch	2. Division/Group ROAD GROUP	Latitude/Longitude		
3. Incident Name SAND				4. Operational Period Date: 7/28/2014 to 7/29/2014				Time: 0700 - 0700
5. Operations Personnel								
Operations Chief		Charles Blankenheim(Day) David Fulcher(Night)		Branch Director				
Safety Officer				Division/Group Supervisor		John Fredrick Jason Dyer		
6. Resources Assigned this Period								
Strike Team/Task Force/ Resource Designator	Leader	Number Persons	On Line	Drop Off PT./Time	Pick Up PT./Time	Off Line		
GRD	TBA	1		Crystal Staging/0800				
WT PVT E-142	Kyle Kiser	2		Crystal Staging/0800				
WT PVT E-130	Jack Marymee	2		Crystal Staging/0800				
WT PVT E-131	Fields, Bruce	2		Crystal Staging/0800				
WT PVT E-43	Randy Auker	1		Crystal Staging/0800				
WT PVT E-129	Willard Koop	2		Crystal Staging/0800				
WT PVT E-146	Alan Wharff	2		Crystal Staging/0800				
7. Control Operations Maintain & repair road hazards as needed.								
8. Special Instructions:								
9. Division/Group Communication Summary								
Function	Frequency	System	Channel	Function	Frequency	System	Channel	
Command CDF CMD 2	151.2650 RX 159.3300 TX	Radio	1 Tone: 2	EMS CALCORD	156.0750 RX 156.0750 TX	Radio	12 Tone: 156.7	
Tactical Div/Group VTAC 14	159.4725 RX 159.4725 TX	Radio	8 Tone: 156.7	Air to Ground CDF TAC 22	159.4050 RX 159.4050 TX	Radio	11 Tone: 192.8	
Prepared by (resource Unit Ldr.) Justin Petersen		Approved by (Planning Sect. Ch.) Andrew Murphy			Date 7/27/2014		Time 2227	

**Incident Forecast for the Sand Fire
1530 PDT Sunday, July 27, 2014**

***** Hot and Very Dry Again Today ***
*** Isolated Nocturnal T-storms Late Tonight East of Fire *****

Discussion: Strengthening high pressure over the 4-Corners builds towards CA. This high will continue to bring hot/dry conditions to the area. Poor humidity recoveries from the overnight hours will result in morning humidity levels already at low levels of 30-40%...drying to near 10% by late afternoon. Winds will start off light easterly less than 6 mph but should diminish then switch over to a more typical WSW/up-drainage wind this afternoon. Some cumulus buildups to the east this afternoon, but a bigger concern will be the possibility of nocturnal thunderstorms developing late tonight across the Yosemite region and tracking northward just east of the fire area by daybreak Tuesday morning. If these storms do occur, their downdrafts could become channeled by the Cosumnes drainage into brief 25 mph gusts. Any lightning should remain east of the fire area.

Today (Monday): Partly sunny & hot. Max temps 99-104 deg. Low morning RH of 35-40% drying to Min RH 8-13%. Winds drainage to E 3-6 mph thru late morning, becoming WSW 5-10 mph gusts 15 mph by afternoon. Gusts near 20 mph on upper slopes.

Tonight: Partly cloudy. Isolated lightning to the distant S & E of the fire east of the fire towards dawn. Min temps 65-70 deg. Max RH 45-50%. Winds light ENE//drainage 1-4 mph...but variable wind gusts over 15 mph possible towards dawn.

Tuesday: Mixed sun and clouds. Cumulus buildups to the north & east Max temps 97-102 deg, Min RH 10-15%. Winds variable early from the E with localized gusts near 15 mph, otherwise becoming W to Up-drainage 4-8 mph gusts 13 mph by afternoon.

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



Basil Newmerzhycky

Basil Newmerzhycky

Incident Meteorologist – Predictive Services

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 001

TYPE OF FIRE: Wildfire

FIRE NAME: Sand Fire

OPERATIONAL PERIOD: 07/28/140700-0700

DATE ISSUED: July 27, 2014

TIME ISSUED: 19:00

UNIT: CA-AEU-018237

SIGNED: *Jeff Shelton*

Typed/printed: Jeff Shelton (FBTS)

INPUTS

WEATHER SUMMARY:

*** Hot and Very Dry ***

*** Isolated T-storms Late Tonight East of Fire ***

Strengthening high pressure will continue to bring hot/dry conditions with poor humidity recoveries overnight. Winds start off light easterly but diminish, then switch over to typical WSW/up-drainage by afternoon. Cumulus buildups to the east will bring the possibility of nocturnal thunderstorms; tracking northward just east of the fire area by daybreak Tuesday morning. Downdrafts could become channeled by the Cosumnes drainage into brief 25 mph gusts. Any lightning should remain east of the fire area.

Max. Temperatures- 99-104 degrees **Min. Humidity-** 8 to 13% **Winds-** WSW 5 to 10 mph/Gusts to 15 mph

OUTPUTS

FIRE BEHAVIOR

GENERAL:

- Fuels within the ENTIRE burn area are drought stressed.
- The fire is predominantly fuels driven, but amplified by steep topography.
- Persistently low relative humidity will support spotting. New starts will expand quickly!
- Understory burning has increased reburn potential, Torching may promote short crown runs.
- Steep terrain will foster rollout as heavy fuels are 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 poor to fair smoke dispersion during the morning hours with the inversion breaking by 11:00. Mixing heights will rise to 5,000 AGL during peak daytime heating. Anticipate terrain induced turbulence in areas with complex terrain; especially during times of afternoon cumulus development.

SAFETY

Identify Trigger Points Early in the Shift.....and Respect Them!

Expect Areas Where Wind and Terrain Align to Produce *Surprisingly* Rapid Rates of Spread!

INCIDENT RISK ANALYSIS (ICS 215a)

DIV	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
ALL	DRIVING HAZARDS	<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.
ALL	FIRE BEHAVIOR	<ul style="list-style-type: none"> • Review "Severe Fire Behavior Potential" (IRPG p.76). • Monitor current weather conditions and forecasts. Make sure all personnel receive thorough briefings every shift. • Maintain adequate escape routes and safety zones. Advise all personnel if these are compromised or changed. Set trigger points when appropriate. • Adhere to 10 Std Orders, mitigate 18 situations. • Maintain Situational Awareness.
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	<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.
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	AIRCRAFT OPERATIONS	<ul style="list-style-type: none"> • Keep personnel out of drop zones. • Use air-to-ground freq. to communicate with aircraft. • Use clear, concise statements when directing aircraft. Use clock directions from pilot's perspective.
ALL	LINE CONSTRUCTION	<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). • Use Downhill Line Checklist (IRPG p. 8). • Follow "Look Up, Look Down, Look Around" procedures (IRPG p. 2-3). • Utilize Risk Management Process (IRPG p.1).
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	SMOKE	<ul style="list-style-type: none"> • Periodically rotate crews into base camp for hot meals, shower, etc. • Monitor crew's health. Get med care for early signs of respiratory illness. • Provide rest breaks; have crews get as much sleep as possible; hydrate!
ALL	STRUCTURE PROTECTION & HAZMAT ISSUES	<ul style="list-style-type: none"> • Conduct thorough briefing for all personnel (inside rear cover IRPG). • Utilize Structure Assessment Checklist (IRPG p.14). • Follow structure Protection Guidelines (IRPG p. 16). • Utilize hazmat IC Checklist (IRPG p. 26).
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	POWER LINES	<ul style="list-style-type: none"> • Follow Hazard Tree safety guidelines (IRPG pg.22) • Communicate power line hazards to all resources • Flag area around down power lines and deny access • Treat all downed power lines as energized
A/C/ M Q W/X	HAZARD TREES	<ul style="list-style-type: none"> • Follow safety zone guidelines are followed (IRPG p. 7) • Identify and report location to Falling Modules. • Avoid hazard by identifying "No Work Zones".
Incident Name: SAND		<p>DATE PREPARED: July 27, 2014 1530hrs</p> <p>Prepared by: Jack Wise, Steve Walker ICT#2 SOF-T</p>
ICS 215a		<p>OPERATIONAL PERIOD July 28, 2014</p> <p>0700-0700</p>

SAND FIRE SAFETY MESSAGE

We are ALL accountable for SAFE behaviors

SAND FIRE Day/Night

Monday -Tuesday

07/28-29/2014

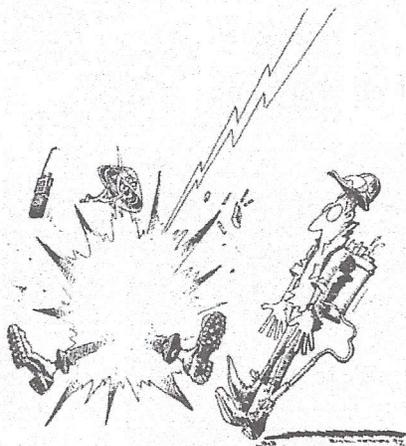
MAJOR HAZARDS:

- **INCIDENT DRIVING**
- **EXTREMELY LOW HUMIDITY**
- **HEAT STRESS AND HYDRATION**
- **LONG TERM SEASONAL 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”

MEDICAL PLAN ICS 206	1. INCIDENT NAME Sand	2. DATE PREPARED 07/27/2014	3. TIME PREPARED 1500	4. OPERATIONAL PERIOD 07/28/2014 0700 - 0700
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5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
MERT	ICP – Above Ground Support		X
		X	

6. TRANSPORTATION

A. AMBULANCE SERVICES

NAME	LOCATION	PHONE	PARAMEDICS	
			YES	NO
El Dorado County JPA	480 Locust Road Diamond Springs	(530) 641-5220	X	
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 JPA Medic 2	Incident Staging Area - Sandridge Rd./Highway 49	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:

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 IWI and only for duration of need.
- Communications Unit will clear command channel for emergency traffic as needed and only for duration of need.

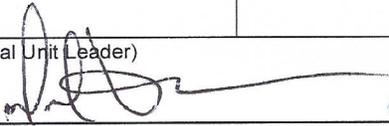
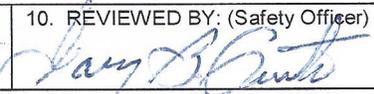
CAMP EMERGENCY:
Contact Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident:

- 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.

ICS 206	9. PREPARED BY: (Medical Unit Leader) David Morrison MEDL 	10. REVIEWED BY: (Safety Officer) 
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AIR OPERATIONS SUMMARY

PREPARED BY: RobSonsteng (AOBD)
PREPARED

DATE/TIME: 7/27/14 16:00

1. INCIDENT NAME: Sand		2. OPERATIONAL PERIOD DATE: 7/28/14				START TIME: 08:00	END TIME: 20:00	SUNRISE: 06:00	SUNSET: 20:18
3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.): Large Tower NW of Point of Origin 38°35.490 x 120°48.989									
4. MEDEVAC A/C: CAL FIRE C-205		5. TFR: Radius: ___ 5 ___ NM Altitude: ___ 9000' ___ = MSL Centerpoint: Lat: 38 34.00N Long: 120 48.40 W							
6. PERSONNEL	Phone	7. FREQUENCIES		AM	FM	8. FIXED-WING			
AOBD: Sonsteng	530-521-8052	AIR/AIR FW:		119.575	168.2875	Airtankers			
ATGS: Sjolund Grass Valley		AIR/AIR RW:				Leadplanes			
HLCO: Lujan	530-925-0934	AIR/GROUND:			159.4050 CDF Tac22	Base FAX #:			
ASGS: A.Anderson/S.Hamilton(t)	909-214-7604/559-824-2678	COMMAND:	CDF Command 2 (Tone 2)						
HEBM: Matt Hill	530-859-5609	COMMAND RPT	Rx:	Tx:	ATGS Aircraft				
ATB MGR:		DECK FREQ:			163.100	Other			
		TOLC FREQ:							

9. HELICOPTERS (Use Additional Sheets As Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
212BT	2	Bell 212 HP	P.Ville	0800	2000	Helicopter 514 A#10							
873HL	2	Bell 212 HP	P.Ville	0800	2000	CWN A#23							
C-205	2	Bell 205A++	P.Ville	0800	2000	Vina Helitack A#40 Hoist capable							
90301	3	Bell 206B3	P.Ville	0800	2000	Helco A#48							
218GH	3	Bell 206B3	P.Ville	0800	2000	Helco A#75							

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name				SAND				Date/Time Prepared		Operational Period Date/Time	
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	DIV A/C/M	Rx 154.2725		156.7	Tx 154.2725		156.7	A			
3													
4	TACTICAL	VFIRE 26	DIV O	Rx 154.3025		156.7	Tx 154.3025		156.7	A			
5	TACTICAL	VTAC 11	DIV Q	Rx 151.1375		156.7	Tx 151.1375		156.7	A			
6	TACTICAL	VTAC 12	DIV R	Rx 154.4525		156.7	Tx 154.4525		156.7	A			
7	TACTICAL	VTAC 13	DIV W/X	Rx 158.7375		156.7	Tx 158.7375		156.7	A			
8	TACTICAL	VTAC 14	ROAD GROUP	Rx 159.4725		156.7	Tx 159.4725		156.7	A			
9	TACTICAL	CDF TAC 15	FIRE SUPPRESSION REPAIR	Rx 159.2700		192.8	Tx 159.2700		192.8	A			
10	TACTICAL	CDF TAC 16	STAGING	Rx 159.2850		192.8	Tx 159.2850		192.8	A			
11	AIR/GROUND	CDF TAC 22	ALL BRANCHES AND DIVISIONS	Rx 159.4050		192.8	Tx 159.4050		192.8	A			
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	GUARD	AIR GUARD	ALL BRANCHES AND DIVISIONS	Rx 168.6250			Tx 168.6250		110.9	A			
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*
JOHN AGUILERA, CAL FIRE IMT 2 - COM1

Incident Location
 State CA Latitude Longitude
 AMADOR AND EL DORADO COUNTIES

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.

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
Matt Johnson	BLM	661-333-6495
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	209-639-8627
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

Instructions for Use of CDF 101 Property Certification of Location or Damage

Document Number: for use as a local number system or when attached to a FC-40 document.

Location / Incident Name: Enter the CDF facility property is assigned to. If submitting to an incident base, enter the Incident Name.

Incident Number: Enter the appropriate incident number

Unit: Enter the Unit the property is assigned to. If submitting to an incident base, enter the request number of the person certifying damage example E-320, C-14 or O-355.

Region: Enter the CDF Region where the property was assigned. If submitting to an incident base, enter the CDF Region responsible for the incident.

Date: Enter the date the P.L. or D. was completed.

The following items were: Enter either 'Broken', 'Left on Line', 'Damaged' or other status of the property.

Reminder, this form cannot be used in place of the STD-152 to certify Lost, Stolen, Worn Out or Damaged beyond repair property.

Date of Occurrence: Enter the date the property was broken, left on line or damaged.

Quantity: Enter the quantity for the line item.

Unit of Measure: Enter the unit of measure for the line item (example ea = each).

CDF Stock Number: Enter the PIN or stock number.

Description: Enter the description of the line item, indicate size, make, model and type. Clearly describe the item and provide adequate data to effectively identify equipment or property.

Property Number: Enter the CDF property number assigned to the line item, Capitalized or sensitive property must have their property number entered here.

Location of Items: Where is the property now (example, left on Division B night shift 8/1/04, Drop Point 2). A GPS coordinate, Station 22 or Unit Service Center may also be used to describe Location.

Remarks: Enter specific remarks here, how was the property damaged, what specifically is wrong with it.

Signature of Person Certifying Occurrence as Described:

Signature: The CDF Employee certifying the occurrence must sign.

Printed Name: Enter the printed name of the signature.

Title: Enter the title of the signature.

Date: Enter the date of the signature.

Unit Supervisors Approval:

If submitted on an incident this section must be completed by the supervisor of the property custodian. This may be the Strike Team Leader, Division Supervisor, Receiving and Distribution Manager, Supply Unit Leader, Logistics Section Chief, Agency Representative or Incident Commander.

If submitted at the home Unit this section must also be completed by the supervisor of the property custodian. This may be a Battalion or Division Chief.

Comments: Supervisors may enter comments of approval or disapproval.

Signature of Unit Administrator: Signature of Unit Supervisor reviewing the certification described.

Title: Title of the signature.

Date: Date of the signature.

Notes:

This document is NOT required if exchanging property at an incident base with the exception of capitalized or sensitive property assigned a CDF property number.

This document is required as certification when submitting an MRT to your local Service Center for replacement of property.

An OF-315 (Incident Replacement Requisition) is required as authorization to purchase fire replacement items at your local Unit. This document is required when submitting an MRT to your local Service Center for fire replacement items. A CDF-101 and/or A STD-152 are required for the certification of the status of property being requisitioned for replacement.

Sand Fire
FINANCE MESSAGE
July 28th 2014

FC-33's

PLEASE REMEMBER TO CHECK IN WITH THE PERSONNEL TIME RECORDERS.

Shift Tickets

Shift tickets must be turned in at the end of each shift by agency supervisor.

Offsite Feeding

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 SUPPRESSION ACTIVITIES PLEASE DOCUMENT ITS LOCATION, PHOTOGRAPH, IF POSSIBLE, AND REPORT TO FINANCE.

Pete Bymers / Rich Browne
Finance Section Chief

TRAINING SPECIALIST MESSAGE

A Training Specialist is now on the incident.

ALL ASSIGNED TRAINEES

working on position task books will need to register with the Incident Training Specialist in order to receive proper credit for your assignment.

The Training Specialist is available immediately following the morning Operations Briefing.

Location: Next to Check-In

TRAINING SPECIALIST

Claudia Soiza

Cell-(949)632-7813



FROM THE DESK OF DOCUMENTATION

Sand Incident
07/28/14

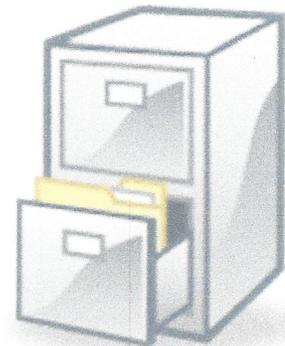
Who needs to turn in what?

Unit Logs (ICS-214s) are required by Strike Team Leaders and above. However, Crews, Engines and possibly other contractors working on the line or in camp, may be asked to fill them out, especially if there has been a significant event that may need to be documented, or if requested by your Supervisor.

Copies of the Crew Evaluations (ICS-224s) and Personnel Evaluations (ICS-225s) are sent to your home unit or business office. Therefore, it is imperative to provide the home unit or business name and address on the evaluation form.

Thanks for your help and cooperation.

Kim Moore ~ Documentation Unit





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.

El Dorado Fairgrounds

100 Placerville Drive • Placerville, CA 95667

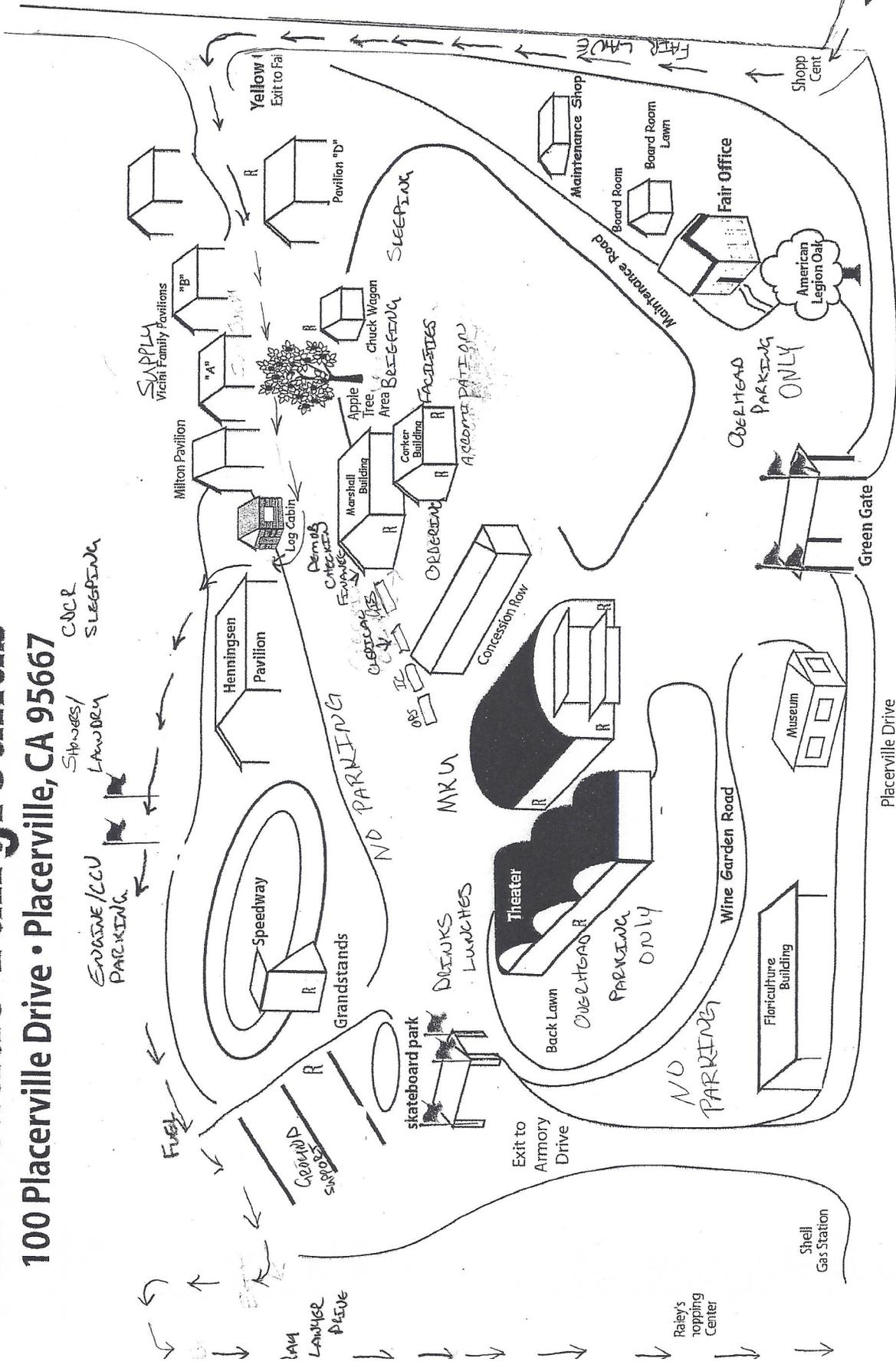
ENGINE/CCU PARKING
SHOWERS/LAUNDRY
COURT SLEEPING

NA

Hwy 50

TD

NOT TO SCALE



R=Restrooms

