

Vallecito Lightning Complex

Incident Action Plan



Friday

August 18, 2012

0600 – 0600

CA-MVU-008747



**INCIDENT OBJECTIVES**

1. Incident Name
Vallecito Lightning Complex

2. Date Prepared
08/17/12

3. Time Prepared
1900

4. Operational Period
08/18/2012 24 hours 0600-0600

5. Management Objectives:

- Provide for Public and Firefighter safety through Operational briefings, tailgate safety sessions and PIO media briefings.
- Protect the natural and cultural resources by using M.I.S.T. tactics in sensitive areas when appropriate.
- Keep all costs commensurate with the assets at risk.

5a. Control Objectives:

Maintain Command and Control of all wildfire incidents in the following Operational Area:

- North of Highway 79/Green Valley.
- South of the Riverside County line.
- East of Santa Ysabel.
- West of Borrego Springs/Ocotillo Wells.

6. Weather Forecast for Period

See attached Fire 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"/> Weather & Fire Behavior Forecast |
| <input checked="" type="checkbox"/> Division Assignment - ICS 204 | <input checked="" type="checkbox"/> Safety Message & Analysis – ICS 215A | <input checked="" type="checkbox"/> Travel & Base Map |
| <input checked="" type="checkbox"/> Communications Plan - ICS 205 | <input checked="" type="checkbox"/> Air Ops Summary - ICS 220 | |

9. Prepared by (Planning Section Chief)
Ron Roberts, Deputy PSC

10. Approved by (Incident Commander)
R. Michael ICT1

Date
08/13/2012

Time
1700



ORGANIZATION ASSIGNMENT LIST

1. Incident Name

Vallecito Lightning Complex

2. Date Prepared

08/17/2012

3. Time Prepared

2130

4. Operational Period

08/18/2012 24 hours 0600-0600

5. Incident Commander and Staff

Incident Commander	R. Michael/S. Gallegos(T)/S. Spinharney(T)
Deputy	G. Haines
Safety Officer	C. Cox/W. Holloway(T)
Information Officer	N. Shuler/M. Smith (T)/G. McKeown
Liaison Officer	S.Negro/D.Carriero(T)

6. Agency Representatives

Agency	Name
San Diego S.O.	B. Hout/J. Long
Cal EMA	I. Messer
Red Cross	R. Lovick/A. McKeller
CDCR	B. Taylor
BLM	C. Howe
SDG&E	R. Lyle
Ca State Parks	G. Reece
CCC	R. Lucatero
CHP	Behne/Groeger/Jones

7. Planning Section

Chief	J. Johnson/M. Conoscente (T)
Deputy	R. Roberts
Resources Unit	J. Black/R.Kirby/K. Thompson(T)
Situation Unit	B.Bloxham/J. Adams(T)/J. Dapper(T)
Documentation Unit	L. Kurtz/F. Ebner
Demobilization Unit	W. Smith/D. Anderson(T)
FBAN	C. Waters/D. Watt(T)
IMET	R. Thompson
Training Tech. Spec.	J. Lara
Crew Tech. Spec.	C. Thomas

8. Logistics Section

Chief	F.Reilly/R. Valenzuela(T)/L. Williams(T)
Supply Unit	T. Stewart
Facilities Unit	B. Smith
Ground Support Unit	W. Williams
Comm. Unit	C. Ashbaugh
Medical Unit	K. Fourtney
Hotel Spec.	M. Ferguson/R. Diaz(T)
Hired Equip. Spec.	D. Segale

9. Operations Section

Chief **M. Brunton/J. McGough/J. Tyler(T)**

a. Wilson Branch

Branch Director	P. Veneris	
Division/Group	H/I	J. Pidgeon/R. Oatman(T)
Division/Group	L/M	R. Tovar/K. Dixon(T)
Division/Group		
Division/Group		

b. Stewart Branch

Branch Director	B. See	
Division/Group	B	T. Harness
Division/Group	G	S. Burt

c. Fire Suppression Repair Group

Tech. Specialist **E. Simpson**

d. Water Group

Tech. Specialist **A. Camarena**

e. Air Operations Branch

Air Operations Branch Dir.	J. Richardson
Air Support Group Sup.	M. Stanford
Helicopter Coordinator	
Helibase Manager	T. Stepanovich

10. Finance Section

Chief	R. Raines
Deputy	R. Browne
Time Unit	P. Aguada/A. Corpuz
Procurement Unit	M. Zaver
Compensation/Claims Unit	L. Germany
Cost Unit	J. Freeman

11. Prepared by (Resource Unit Leader)

R. Roberts PSC2



INCIDENT Weather Forecast



FORECAST NO: 6
PREDICTION FOR: 24 Hour SHIFT
SHIFT DATE: August 18, 2012
TIME AND DATE FORECAST ISSUED: 630 PM 8/17/12

NAME OF FIRE: Vallecito Lightning Complex
UNIT: Cal Fire (MVU)
SIGNED: 
 Richard Thompson **Incident Meteorologist**

WEATHER DISCUSSION: Southeasterly flow will continue across the area...bringing the threat of afternoon and evening thunderstorms. The thunderstorms will produce moderate to heavy rainfall... gusty winds and frequent lightning. Winds generally will remain southeasterly through the period.

WEATHER FORECAST:

Weather: Partly cloudy. Chance of showers and thunderstorms in the afternoon and evening. Thunderstorms will produce moderate to heavy rainfall...gusty and erratic winds and frequent lightning.

Temps: Highs: 84-92 below 4000 feet...74-82 above 4000 feet. Lows: 64-70.

Relative Humidity: Min: 35-45% Max: 75-95%

20 FT Winds:

Ridgetop: East to southeast 8-14 MPH Gust 20 MPH.

Slope/Valley: 0600-1000: Upslope 3-6 MPH.
 1000-2000: Upvalley/East 6-12 MPH Gust 20 MPH.
 2000-0600: Downslope/downvalley 2-5 MPH.

LAL: 3

OUTLOOK FOR SUNDAY: Partly cloudy. A chance of afternoon and evening thunderstorms. Highs 84-92 below 4000 feet...74-82 above 4000 feet. Lows 64-70. Min RH: 30-40%. Max RH: 70-90%. Ridgetop winds: southeast to south 5-10 MPH Gust 15 MPH. Slope/Valley winds: upslope/upvalley 6-12 MPH Gust 20 MPH daytime...downslope/downvalley 2-5 MPH nighttime.

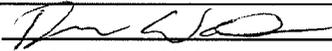
EXTENDED FORECAST MONDAY THROUGH WEDNESDAY:

Monday: Clear...except partly cloudy in the afternoon and evening hours. A slight chance of thunderstorms in the afternoon and evening. Highs 86-94 below 4000 feet...76-84 above 4000 feet. Lows 66-72. Min RH: 20-30%. Max RH: 55-65%. Ridgetop winds: southeast to south 5-10 MPH Gust 15 MPH. Slope/valley winds: upslope/upvalley 6-12 MPH Gust 20 MPH daytime downslope/downvalley 2-5 MPH nighttime.

Tuesday: Clear...except partly cloudy in the afternoon and evening. A slight chance of thunderstorms in the afternoon and evening. Highs 82-94 below 4000 feet...74-82 above 4000 feet. Lows 64-70. Min RH: 20-30%. Max RH: 50-60%. Ridgetop winds: south to southwest 5-10 MPH Gust 15 MPH. Slope/Valley winds: upslope/upvalley 6-12 MPH Gust 20 MPH daytime downslope/downvalley 2-5 MPH nighttime.

Wednesday: Mostly clear. Highs 82-94 below 4000 feet...74-82 above 4000 feet. Lows 64-70. Min RH: 20-30%. Max RH: 50-60%. Ridgetop winds: southwest to south 5-10 MPH Gust 15 MPH. Slope/Valley winds: upslope/upvalley 6-12 MPH Gust 20 MPH daytime downslope/downvalley 2-5 MPH nighttime.

FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 5	TYPE OF FIRE: Wildfire
FIRE NAME: Vallecito Lightning Complex	OPERATIONAL PERIOD: 8/18/12 0600-0600
DATE ISSUED: 8/17/12	TIME ISSUED: 2000
UNIT: MVU – San Diego Unit	SIGNED:  Typed/printed: Don Watt

INPUTS

WEATHER SUMMARY:

Today will bring a chance of showers and thunderstorms this afternoon and evening, producing moderate to heavy rainfall. The thunderstorms will bring erratic winds and the possibility of lightning. Temperatures will be 84 - 92 degrees, with relative humidity dropping to 35 - 45 percent. The ridgetop winds will be East to Southeast, 8 - 14 MPH with gust to 20 MPH. The diurnal winds will be upslope/valley 3 - 6 MPH until 1000 when they will start to increase to 6 - 12 MPH with gust to 20 MPH. The East slopes will experience stronger winds as ridge winds combine with upslope winds. Through the evening and night the downslope/valley winds will be 2 - 5 MPH.

Probability of Ignition: 50 – 60%

LAL: 3

OUTPUTS

FIRE BEHAVIOR

GENERAL:

The fuels in this area are dominated by a continuous Desert Sage Scrub fuel type. This includes Sage, Juniper, Sumac, and Buckwheat fuels. The fire spread is mainly in the lighter fuels with the sporadic ignition of brush. There is a chance for thunderstorms developing this afternoon and evening. Thunderstorms have the potential for erratic winds that move the fire in any direction. If thunderstorms develop and produce lightning without much precipitation there is potential for new fires.

SPECIFIC:

Wilson and Stewart:

Thunderstorms and precipitation are predicted again in the area of the fires. The winds produced by thunderstorm development can increase the activity of smoldering fuels. Interior islands have the potential to have increased activity do to these erratic winds. The fuels are sparse in the rocky areas but will allow fire to slowly creep through to new fuels. Some areas of the fire did not have complete consumption of fuels, some of those areas have the potential to support fire spread. When clouds are over the fire area there will be very little fire. Ensure that the potential of rolling material is mitigated especially on any side hill handline. The fuels in the fire will mop up quickly, there may be no sign of heat in the fuels until the day starts to heat up.

AIR OPERATIONS:

Erratic wind may hamper air operations and the cloud cover can obscure visibility as thunderstorms develop and move through the area.

SAFETY

Prepare for the thunderstorms this afternoon and review associated safety considerations and monitor the fire area for approaching thunderstorms. Continue to look to the surrounding areas for potential new starts from the thunderstorms. Have a plan for your crew if lightning moves into the area. Heavy rainfall can cause problems for roads and low lying areas.

Vallecito Lightning Complex

August 18, 2012

Major Hazards and Risks

TRANSPORTATION!!!

- ❖ Adhere to ALL posted speed limits! Warner Springs School is in session and crossing the highway all day. Pay attention, drive slowly, and use caution in the area.
- ❖ Use flashlights when walking on base camp roadways at night, in darkness.

WEATHER!!!!

Be aware of changing conditions and erratic winds. Review the weather forecast. Be alert for possible thunderstorm development. Reports of winds in canyons gusting to 30 mph.

FATIGUE, DEHYDRATION AND HEAT EXHAUSTION!!!

Get plenty of rest, watch for fatigue and mitigate, and follow proper hydration procedures.

Eat properly! Utilize the newly developed lunches as they were intended and you may avoid nutrition issues as a contributing factor to heat illness. You need to consume enough calories!

Key Points

Ensure ALL tactical and strategic fireline actions and communications are communicated to ALL resources engaged on a given geographic Division.

The Ten Standard Orders are FIRM. There is no compromise.

Every Crew shall conduct AND document your tailgate safety message, particularly during firing operations.

Establish and Maintain your LCES: Each element needs to be established AND maintained throughout the shift. If LCES is compromised, mitigate it.

SAFETY ALERT

HEAT RELATED ILLNESS

HEAT RELATED ILLNESS IS PREVENTABLE!!!!

All personnel shall follow established guidelines.

Heat-induced illness is a result of the body's inability to cope with heat. This can be a minor symptom or a serious life-threatening injury. While recognition and treatment are important, prevention is the key.

Becoming acclimated to working in a hot environment takes time.

- It normally takes 4-8 days to acclimate
- Fatigue and alcohol consumption delays this process
- Persons not acclimated are at increased risk and can suffer heat-related illness at lower levels of heat and work activity

Personnel need to pre-hydrate before work and continuously hydrate during work.

- Water is the primary form of fluid replacement
- Before work, it is recommended to drink 20 ounces of sports drink
- During work drink 8 ounces of water every 15 minutes (1 Quart/hour)
- Cool / cold water is preferred
- Consider a carbohydrate / electrolyte sports drink as a portion (25%-50%) of the fluid intake

Avoid Hyponatremia

- Hyponatremia develops when the concentration of sodium is diluted in the bloodstream
- Exercise-induced hyponatremia occurs when this phenomenon is caused by excess water intake during exercise or work
- Proper nutrition and consumption of carbohydrate/electrolyte sports drinks as part of hydration will assist in avoiding hyponatremia
- Symptoms can include disorientation, headache, muscle cramps and nausea

Take Frequent Rest Breaks

- Hydrate during the rest break
- Create improvised shade, get out of the sun
- Document your rest breaks

Avoid Certain Drinks

- To help prevent dehydration, **AVOID** carbonated beverages and performance beverages such as Red Bull, Rock Star, Monster Drinks, etc.
- Caffeine hastens fluid loss in the urine.



DIVISION ASSIGNMENT LIST

1. Branch

Stewart

2. Division / Group

B

3. Incident Name

Vallecito Lightning Complex

4. Operational Period

08/18/2012

0600-0600

5. Operations Personnel

Operations Chief

M. Brunton / J. McGough / J. Tyler(T)

Division/Group Supervisor

T. Harness

Branch Director

B. See

Air Attack Group Supervisor

J. Richardson

6. Resources Assigned This Period

Strike Team / Task Force / Resource Designator	Request #	Accountability					Trans. Needed	Drop Off Point / Time	Pick Up Point / Time
		Leader	#	Brief	On	Off			
SOFR G. Barrier	O-114						S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
SOFR P. Selegue (T)	O-137						S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
FEMP D. Hahn	O-265						S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
FEMT P. Lorenzo	O-254						S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
THSP A. Orozco	O-244						S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
S/T ENG MVU 9330C	E-81	C. Hendrie	16				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
S/T ENG FKU 9430C	E-107	B. See	16				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
S/T CRW BDU 9370G	C-25	M. Engel	37				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
S/T CRW BDU 9388G	C-7	M. Edmiston	37				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
W/T PVT Statewide	E-121	S. Raddigan	2				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
W/T PVT Fireline	E-53		2				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	
W/T PVT Fireline	E-54		2				S-2 c/o S-22 / 0700	S-2 c/o S-22 / 0700	

7. Control Operations

Mop up 200'.

Improve and hold current control lines.

Back haul trash.

8. Special Instructions

SOFR G. Barrier and P. Selegue, FEMP D. Hahn, FEMTP. Lorenzo, S/T CRW BDU 9388G, & both Fireline water tenders on 12 hour shift.

Dozers will be utilized only with prior approval by California State Parks, Fish and Game or BLM Agency Representatives.

9. Division / Group Communications Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	Tx 159.3000 N Rx 151.3550 N	King NIFC	CDF CMD 1 TONE 13 & 15	Logistics		King NIFC	
Tactical Division / Group	Tx 154.2875 N Rx 154.2875 N	King NIFC	VFIRE 25 TONE 6	Air To Ground	Tx 159.4500 N Rx 159.4500 N	King NIFC	CDF TAC 23 TONE 16

10. Prepared by (Resource Unit Leader)

J. Black

11. Approved by (Planning Section Chief)

Date

08/17/2012

Time

2140



DIVISION ASSIGNMENT LIST

1. Branch
Stewart

2. Division / Group
G

3. Incident Name
Vallecito Lightning Complex

4. Operational Period
08/18/2012 **0600-0600**

5. Operations Personnel

Operations Chief	M. Brunton / J. McGough / J. Tyler(T)	Division/Group Supervisor	S. Burt
Branch Director	B. See	Air Attack Group Supervisor	J. Richardson

6. Resources Assigned This Period

Strike Team / Task Force / Resource Designator	Request #	Accountability					Trans. Needed	Drop Off Point / Time	Pick Up Point / Time
		Leader	#	Brief	On	Off			
SOFR G. Barrier	O-114						DP 8 / 0700	DP 8 / 0700	
SOFR P. Selegue (T)	O-137						DP 8 / 0700	DP 8 / 0700	
FEMP K. Boman	O-263						DP 8 / 0700	DP 8 / 0700	
FEMT R. Nye	O-258						DP 8 / 0700	DP 8 / 0700	
THSP A. Orozco	O-244						DP 8 / 0700	DP 8 / 0700	
S/T ENG MVU 9331C	E-35	J. Kremensky	16				DP 8 / 0700	DP 8 / 0700	
S/T ENG TUU 9411C	E-108	D. Tashima	18				DP 8 / 0700	DP 8 / 0700	
S/T CRW MVU 9379G	C-19	W. McClement	29				DP 8 / 0700	DP 8 / 0700	
W/T MLG 7459	E-156	A. Allen	1				DP 8 / 0700	DP 8 / 0700	
W/T PVT Statewide	E-122	S. Raddigan	2				DP 8 / 0700	DP 8 / 0700	

7. Control Operations
 Mop up 200'.
 Improve and hold current control lines.
 Back haul trash.

8. Special Instructions
SOFR G. Barrier and P. Selegue, FEMP K. Boman, FEMT R. Nye, S/T ENG MVU 9331C, S/T CRW MVU 9379G & W/T MLG 7459 on 12 hour shift.
Dozers will be utilized only with prior approval by California State Parks, Fish and Game or BLM Agency Representatives.

9. Division / Group Communications Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	Tx 159.3000 N Rx 151.3550 N	King NIFC	CDF CMD 1 TONE 13 & 15	Logistics		King NIFC	
Tactical Division / Group	Tx 154.2650 N Rx 154.2650 N	King NIFC	VFIRE 22 TONE 6	Air To Ground	Tx 159.4500 N Rx 159.4500 N	King NIFC	CDF TAC 23 TONE 16

10. Prepared by (Resource Unit Leader)
J. Black

11. Approved by (Planning Section Chief)


Date
08/17/2012

Time
2144

 DIVISION ASSIGNMENT LIST		1. Branch			2. Division / Group Water Group				
3. Incident Name Vallecito Lightning Complex		4. Operational Period 08/18/2012			6.000-1800				
5. Operations Personnel									
Operations Chief		M. Brunton / J. McGough / J. Tyler(T)		Division/Group Supervisor					
Branch Director				Air Attack Group Supervisor		J. Richardson			
6. Resources Assigned This Period									
Strike Team / Task Force / Resource Designator	Request #	Accountability					Trans. Needed	Drop Off Point / Time	Pick Up Point / Time
		Leader	#	Brief	On	Off			
THSP A. Camarena	O-362							DP 9 / 0700	DP 9 / 0700
THSP C. Mansir	E-376							DP 9 / 0700	DP 9 / 0700
ENG MVU T1 7522	E-82		3					DP 9 / 0700	DP 9 / 0700
W/T SVV 7958	E-1		2					DP 9 / 0700	DP 9 / 0700
W/T JVF 7557	E-4	D. Southcott	2					DP 9 / 0700	DP 9 / 0700
W/T SDP 7552	E-78		2					DP 9 / 0700	DP 9 / 0700
W/T SYC 63	E-139	N. Carlson	2					DP 9 / 0700	DP 9 / 0700
W/T PVT Blackhawk	E-38		2					DP 9 / 0700	DP 9 / 0700
W/T PVT Alan's	E-165	A. Wharff						DP 9 / 0700	DP 9 / 0700
W/T PVT Action	E-128	J. Clayton	3					DP 9 / 0700	DP 9 / 0700
7. Control Operations Support Operations.									
8. Special Instructions Dozers will be utilized only with prior approval by California State Parks, Fish and Game or BLM Agency Representatives.									
9. Division / Group Communications Summary									
Function	Frequency	System	Channel	Function	Frequency	System	Channel		
Command	Tx 159.3000 N Rx 151.3550 N	King NIFC	CDF CMD 1 TONE 13 & 15	Logistics		King NIFC			
Tactical Division / Group	Tx 154.2950 N Tx 154.2950 N	King NIFC	VFIRE 23	Air To Ground		King NIFC			
10. Prepared by (Resource Unit Leader) J. Black			11. Approved by (Planning Section Chief) 			Date 08/17/2012		Time 2210	



DIVISION ASSIGNMENT LIST

1. Branch

2. Division / Group

Suppression Repair

3. Incident Name

Vallecito Lightning Complex

4. Operational Period

08/18/2012

0600-1800

5. Operations Personnel

Operations Chief

M. Brunton / J. McGough / J. Tyler(T)

Division/Group Supervisor

Branch Director

Air Attack Group Supervisor

J. Richardson

6. Resources Assigned This Period

Strike Team / Task Force / Resource Designator	Request #	Accountability					Trans. Needed	Drop Off Point / Time	Pick Up Point / Time
		Leader	#	Brief	On	Off			
THSP E. Simpson	O-216						ICP / 0700	ICP / 0700	
THSP L. Short	O-383						ICP / 0700	ICP / 0700	
THSP G. Reece							ICP / 0700	ICP / 0700	
ARCH H. Dallas	O-227						ICP / 0700	ICP / 0700	
FOBS J. Clark	O-209						ICP / 0700	ICP / 0700	
FOBS D. Penery	O-210						ICP / 0700	ICP / 0700	
FOBS F. Paz (T)	O-226						ICP / 0700	ICP / 0700	
S/T CRW MVU 9393G	C-18	J. Hendricks	29				ICP / 0700	ICP / 0700	
S/T CRW RRU 9383G	C-28	K. Krauss	33				ICP / 0700	ICP / 0700	
S/T FKU DOZ 9438L	E-137	S. Miner	4				ICP / 0700	ICP / 0700	
W/T SDR 7452	E-145		2				ICP / 0700	ICP / 0700	
W/T OWF 7955	E-146		2				ICP / 0700	ICP / 0700	
W/T PVT Stotts	E-164	K. Stottsberry	2				ICP / 0700	ICP / 0700	
W/T PVT Brown Bulk	E-39		2				ICP / 0700	ICP / 0700	
W/T PVT Statewide	E-123	S. Raddigan	2				ICP / 0700	ICP / 0700	

7. Control Operations

Assignments as requested by THSP.

Rehab will be conducted in the following areas: Cooper, Chihuahua 2 & Wilson Branch. Please follow the instructions and direction of the Rehab Specialist assigned to your area.

8. Special Instructions

Dozers will be utilized only with prior approval by California State Parks, Fish and Game or BLM Agency Representatives.

9. Division / Group Communications Summary

Function	Frequency	System	Channel	Function	Frequency	System	Channel
Command	Tx 159.3000 N Rx 151.3550 N	King NIFC	CDF CMD 1 TONE 13 & 15	Logistics		King NIFC	
Tactical Division / Group	Tx 154.2950 N Rx 154.2950 N	King NIFC	VFIRE 23	Air To Ground	Tx 159.4500 N Rx 159.4500 N	King NIFC	CDF TAC 23 TONE 16

10. Prepared by (Resource Unit Leader)

J. Black

11. Approved by (Planning Section Chief)

Date

08/17/2012

Time

2215

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name VALLECITO LIGHTNING COMPLEX				Date/Time Prepared 08/17/12 1730		Operational Period Date/Time 8/18/12 0600	
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 M	Remarks
1	COMMAND	CDF C1	See Remarks	151.3550N	103.5	159.3000N	Tone 13 & 15	A	All Branches other than Wilson
2	COMMAND	NIFC C5	WILSON	167.1000N		169.7500N	146.2	A	Tone 5 - Linked with C11 & C12.
3	COMMAND	NIFC C11	WILSON	170.6875N		166.5750N	146.2	A	Tone 5 - Linked with C5, & C12
4	TACTICAL	VFIRE 25	STEWART B	154.2875N		154.2875N	156.7	A	Tone 6
5	TACTICAL	VFIRE 22	STEWART G	154.2650N		154.2650N	156.7	A	Tone 6
6	TACTICAL	VFIRE 24	WILSON H/I	154.2725N		154.2725N	156.7	A	Tone 6
7									
8	TACTICAL	NIFC T6	WILSON L/M	166.7750N		166.7750N		A	
9									
10	TACTICAL	VFIRE 23	Water & Fire Sup	154.2950N		154.2950N	156.7	A	Tone 6
11									
12	EMS	CALCORD	All Divisions	156.0750N		156.0750N		A	
13	AIR/GND	A/G (CDF T23)	All Divisions	159.4500N	192.8	159.4500N	192.8	A	Tone 16
14	EMER	AIRGUARD	All Divisions	168.6250N		168.6250N	110.9	A	Tone 1 - EMERGENCY ONLY
15	COMMAND	NIFC C12	WILSON	173.0375		167.3250N	146.2	A	Tone 5 - Linked with C5 & C11.
16	EMER	AIRGUARD	All Divisions	168.6250N		168.6250N	110.9	A	Tone 1 - EMERGENCY ONLY
17									
18									
19									
20	EMER	AIRGUARD	All Divisions	168.6250N		168.6250N	110.9	A	Tone 1 - EMERGENCY ONLY

Prepared By (Communications Unit)
Chet Ashbaugh COMML

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 Kx and Ix reversed.



MEDICAL PLAN

1. INCIDENT NAME Vallecito Lighting Complex MVU-8747	2. DATE PREPARED 08/17/2012	3. TIME PREPARED 1700	4. OPERATIONAL PERIOD 0600-0600 08/18/2012
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5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
Medical Unit	Base Camp	XX	

6. TRANSPORTATION

A. Air Ambulances

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Mercy Air Ambulance	Order through Monte Vista ECC		XX	
San Diego City (hoist and flir capabilities)	Order through Monte Vista ECC		XX	

B. Ground Ambulances

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Mercy Ambulance	Order Through Monte Vista ECC		XX	
Julian-Cuyamaca FPD	Order through Monte Vista ECC		XX	

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Palomar Medical Center	555 East Valley Pkwy, Escondido	15	60	(760)739-3000	XX			XX
Inland Valley Med Ctr.	36485 Inland Val. Dr. Wildomar	15	45	(951)677-1111	XX			XX
UCSD Burn Center	200 W Arbor Dr. San Diego	20	90	(619)543-6222	XX		XX	

8. MEDICAL EMERGENCY PROCEDURES

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

- Division Supervisor contacts:
 - Line EMT / PM
 - Communications Unit
- Communication Unit will clear command channel for emergency traffic
- Communications will switch all emergency traffic to CALCORD
- Communications Unit contacts:
 - Medical Unit
 - Safety
 - Operations
- Division Supervisor will run medical emergency on CALCORD
- Medical Unit will:
 1. Dispatch air/ground ambulance to as appropriate.
 2. If necessary, after patient pickup, dispatch ambulance to helibase for transportation
 3. Notify receiving hospital of injury status.

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

INJURY REPORTING PROCEDURES

NATURE OF INJURY _____

LOCATION OF PATIENT _____

TRANSPORTATION REQUESTED BY: AIR ___ GROUND ___

POINT OF PICKUP _____

LAT _____ LONG _____

PATIENT UNIT ID _____

REMINDER: DO NOT GIVE PT NAME OVER RADIO

IS AN EMT WITH PATIENT: YES ___ NO ___

AGE _____

SEX: MALE ___ FEMALE ___

ALL EMERGENCIES---Secure the area and identify witnesses for later investigation. Keep an accurate log of events.

Medical Unit (951) 264-9340

ICS 206 8-78

9. PREPARED BY (MEDICAL UNIT LEADER)
Kevin Fortney MEDL

10. REVIEWED BY (SAFETY OFFICER)
Chris Cox SOF

AIR OPERATIONS SUMMARY 220

PREPARED BY: John C. Richardson

DATE: 08/17/12

1. INCIDENT NAME: Vallacito Complex		2. OPERATIONAL DATE: 08/18/2012		SUNRISE: 0609		SUNSET: 1932	
3. REMARKS (Safety Notes, Flight-Hazards, Other Hazards, Air Operations, and Special Equipment, etc.): Powerlines, Gliderport at Warner Springs, MTR, SDGE working in the fire area setting power poles with R/W. Multiple A/C							
4. AIR RESCUE AIRCRAFT: H-12 Activation Instructions: Order through communications		5. TFR/91.137: Radius: NM Altitude: MSL Center Point: Latitude: Longitude:					
Helibase(s) Name: PLC/ICP Lat./Long: N33 19.728 W116 41.765 Lat./Long:		3a. Water Points: Dip Tanks at Scissors Crossing As directed by ATGS/HLCO					
6. PERSONNEL							
	Name	Telephone	Cellular	Pager	Fax	7. FREQUENCY	AM FM
AOBD	John Richardson		8059033403			AIR/AIR FW:	120.4250
ASGS	Matt Stanford		9515458205			AIR/AIR RW:	120.4250
ASGS						AIR/GROUND:	Tone16 Tx/Rx 192.8 159.4500
ATGS	e					COMMAND: (Simplex)	See com plan
ATGS (Relief)	e					COMMAND RPT:	
HEBM	Tim Stepanovich	3238195369				DECK:	163.100
HELCO						TOLC:	123.0250
DECK							
TOLC							
AGENCY AIRCRAFT DISPATCH OFFICE							
AGENCY AVIATION MILITARY LIAISON							
Ramona nAAB							
8. PERSONNEL ON ORDER:							
SEE INCIDENT RADIO COMMUNICATIONS PLAN (205) FOR ALL OTHER FREQUENCIES!							
9. FIXED WING:							
Leadplane(s):		Identifier		Base		Type	
Tanker(s):		Helitanker(s):		Copter 12		SD Copter 9	
I:		I:					
II:		II: 1					
III:		III: 1					
IV:		IV:					
11. SPECIAL ASSIGNED EQUIPMENT: AIRCRAFT RESCUE FIRE FIGHTERS Helibase dust abatement Water Tender(s)							
12. EQUIPMENT ON ORDER: , on site at helibase(s). at helibase(s).							
ICS-220A (January 2001)							

13. TASKS/MISSION ASSIGNMENT (Type/Function includes: Air Tactical, Helicopter Coordinator, Fixed Wing: Retardant, Rotor Wing: Helitanker: Retardant/Foam, Rotor Wing: Retardant and or Foam, Personnel & Cargo Transport, Dip Site Locations and Names, Initial Attack and Air Rescue Helicopters, and Other.)					
TYPE/FUNCTION	NAME OF PERSONNEL AND/OR CARGO INCLUDING INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO	
Air Tactical					
Helicopter Coordinator	Copter 9	0800	0800	2000	
Fixed Wing: Retardant	Order through Communications to MVU No fixed-wing assigned				
Helitanker: Retardant/Foam					
Rotor Wing: Retardant/Foam	Order through communications	0700	0730	2000	
Recon/Plans	Limited availability Request through ASGS/AOBD	0830	0830	1900	
Personnel Transport					
Cargo Transport	Order through Communications Limited availability. Order early				
Dip Site Names and Locations					
Initial Attack Helicopter	Request through communications				
Air Rescue Helicopter	Order through Vallecito Communications Copter 12				
Other:					

ICS-220B (January 2001)



STRUCTURE DEFENSE GUIDE

STRUCTURE TRAGE DECISION PROCESS (S-FACTS)

SURVIVAL

- Initial Assessment: can you survive here? If not, LEAVE NOW!
- Is there a Safety Zone nearby? If not, LEAVE NOW! (IRPG)
- Do you have a viable Escape Route?
- What is the decision point at which you will leave based on fire behavior and rate of spread?
 - Is there a Temporary Refuge Area (TRA) on site? If not, LEAVE NOW!
 - Preplanned area for immediate, temporary refuge
 - Use of fire shelter should not be necessary
 - Is there a viable Escape Route to the TRA or Safety Zone?
 - Is "Prep and Go" tactic an option?
 - Do you have communications with your supervisor and adjoining forces?
 - If safety issues cannot be mitigated, LEAVE NOW!

FIRE ENVIRONMENT

- Can you survive based on current and expected fire behavior? If not, LEAVE NOW!
- Look up, Look Down, Look Around indicators:
 - Fuels (characteristics, moisture, temperature)
 - What will the intensity of the fire be when it arrives?
 - How long will it take to consume the fuels?
 - Wind
 - Wind
 - Current speed/direction
 - Expect changing winds
 - Terrain
 - Are you in a chute, chimney, or saddle? If yes, LEAVE NOW!
 - Is wind in alignment with topography?
 - What is your position relative to topography?
 - Are you mid slope or on top of a ridge?
 - Atmospheric Stability
 - Fire Behavior (requires constant monitoring)
 - Spotting, crowning, sheeting, rate of spread?
 - Flame length and height?
- Other weather considerations:
 - What is the current relative humidity?
 - Is there an expected change?
 - Are thunderstorms forecasted?

ACCESS

- Is access compatible with time and distance factors necessary to utilize as an Escape Route to a Safety Zone?
 - Road surface adequate for speed necessary?
 - Adequate width?
 - Turnaround/turnouts?
 - Bridges within limits for fire apparatus?
 - Drainage ditches/culverts?
 - Steep grades?
 - Is there a safe place to spot apparatus?

CONSTRUCTION/CLEARANCE

- Does the structure have adequate defensible space, based on topography, fuels, and current and expected fire behavior?
 - Can defensible space problems be mitigated quickly?
- Will building materials and yard clutter compromise safety?
 - Is the construction wood siding or shake shingle roof?
 - Are there vent openings, open eaves, large glass windows facing fire front, decks with vegetation below?
 - Will ember intrusion through attic or foundation vents be a problem?
- What are the contents in the garage and outbuildings?
 - Are there hazardous materials present?
 - Are there propane tanks, fuel tanks, or power lines?
 - Is there an adequate water supply nearby?
 - Are additional resources needed to mitigate issues?
 - Consider "Prep and Go" or "Prep and Defend" tactics

TIME CONSTRAINTS

- Is there time for an adequate size up of the structure defense problem?
- Is there time to mitigate safety concerns?
- Is there time and adequate resources to properly prepare and defend the structure?
- Is there time to escape, utilizing Escape Routes, to a Safety Zone? If not, LEAVE NOW!

STAY OR GO

- Tactical decision based on the S-FACTS
- Is it safe to stay? If no, utilize "Check and Go" tactic
- Is there time to prepare the structure for defense and what will the fire behavior be when the fire gets here?
 - "Prep and Go" or "Fire Front Following" tactics should be used when it is not safe to "Prep and Defend"

STRUCTURE TRAGE CATEGORIES

Not-Threatened

- Safety Zone nearby and TRA present at structure
- Construction features/defensible space make the structure unlikely to ignite
- Residents may/may not have evacuated

Threatened Defensible

- Safety Zone nearby and TRA present at structure
- Construction features/defensible space require structure defense tactics during fire front impact

Threatened non-Defensible

- Lack of adequate Safety Zone nearby
- Structure cannot be safely defended
- Residents must be evacuated

ENTRANCE/AVOIDANCE

- Are you adhering to the 10 Standard Firefighting Orders? (IRPG)
- Have you considered the 18 Situations that Shout Watch Out?
- Have you considered the Common Denominators of Fire Behavior on Tragedy Fires? (IRPG)
 - Are you maintaining LCES? (IRPG)
 - Look Up, Look Down, Look Around (IRPG)
 - Have Decision Points ("Trigger Points") been established?
 - Conduct Risk Management (IRPG)
 - Situational Awareness - Hazard Assessment - Hazard Control - Decision Point - Evaluate

STRUCTURE DEFENSE TACTICAL ACTIONS

- **Check & Go** – Most appropriate action when no Safety Zone/TRA is present and fire front impact is imminent. Conduct rapid evaluation to check for occupants and evaluate for follow up action. **LEAVE promptly.**
- **Prep & Go** – Structure preparation can be safely completed prior to fire front impact. Potential fire activity is too dangerous to remain and/or there is no Safety Zone/TRA present. **LEAVE before escape routes are compromised.**
- **Prep & Defend** – Appropriate when a Safety Zone is nearby and TRA is present. Adequate time exists to prepare the structure for defense prior to fire front impact. Escape routes must be maintained.
- **Fire Front Following** – Follow-up tactic after passage of the fire front. Involves searching for victims, perimeter control, hot spotting, and ember control.
- **Bump & Run** – Resources move ahead of the fire front extinguishing spot fires and defending structures. Utilize extreme caution.
- **Anchor & Hold** – Resources use large volume fire streams to extinguish structure fires, stop structure-to-structure ignitions, protect exposures, and control embers.
- **Tactical Patrol** – Resources remain mobile and continuously monitor assigned area after fire front passage. Involves aggressive mop up around structures.

Structure defense tactics are a vital part of perimeter control operations.

- Stopping fire spread significantly eliminates the fire's threat to structures.
- Connect contained points along the fire's perimeter – typically near the structure's attack/containment line.
- Perimeter control and structure defense should be done concurrently.

LEVELS OF ENGAGEMENT

Consider PACE

- **Primary Plan (Offense)**
 - Focused on firefighter safety and objectives
- **Alternate Plan (Offense)**
 - fallback plan that closely resembles primary plan
- **Contingency Plan (Defense)**
 - Focused on firefighter safety, move to a safety zone, temporary refuge areas
- **Emergency Plan (Defense)**
 - Firefighter survival
 - Deployment zones/Refuge areas
 - Fire shelters

Consider DRAW-D

- **Defend** – Reinforce – Advance – Withdraw – Delay

IMMEDIATE NEED EVACUATION CHECKLIST

- Co-locate with law enforcement at ICP
- Identify evacuation area utilizing local maps. Include area of incident potential when determining evacuation area.
- Identify traffic control points for entry and exit of resources and civilians
- Identify areas that must be immediately evacuated and label "evacuation order" areas
- Identify areas that are potentially threatened and label "evacuation warning" areas
- Identify community safe refuge areas inside evacuation areas
- Determine and publish evacuation routes
- Identify and clearly communicate the decision points for implementing additional evacuation areas
- Identify areas of special needs: population and large animals
- Consider use of public notification systems for evacuations

STRUCTURE DEFENSE FUNDAMENTALS

- Back equipment in for tactical mobility
- Shield apparatus from radiant heat – be aware of structure ignition potential
- Park in a cleared area (watch for power lines, trees)
- Have an engine/crew protection line identified
- Determine if residents are home. Determine best course of action – evacuate if safe to do so or shelter in place at safe location
- Maintain communications with all crew members
- Maintain at least 100 gallons of water reserve in your tank
- Top off your tank at every opportunity (use garden hose)
- For roof access, place owner's ladder at a corner of the structure on the side with the least fire threat and away from power/drop
- Keep fire out of heavier fuels (suppress in lighter fuels)
- Clear area around above-ground fuel tank, shutting off tank
- Close windows and doors, including garage, leaving doors unlocked
- Place combustible outside furniture inside the structure
- Charge and place garden hoses strategically around structure for immediate use
- Move wood piles away from structures
- Consider applying foam/gel to the structure (roof and siding) and/or fuels
- **REMEMBER** to follow up with **TACTICAL PATROL!**



FINANCE SECTION



MESSAGE

8/18/12

PLEASE MAKE SURE HIRED EQUIPMENT SHIFT TICKETS ARE COMPLETED AND DROPPED OFF IN THE TIME UNIT BY AGENCY PERSONNEL / LINE SUPERVISORS ONLY.

PLEASE REPORT ALL INJURIES TO COMP / CLAIMS & FIRE SUPPRESSION DAMAGE, NO MATTER HOW MINOR, TO COMP CLAIMS. PLEASE INCLUDE PHOTOS AND LOCATION ALONG WITH A BRIEF DESCRIPTION

ANY OFF SITE FEEDING CHARGED TO THE INCIDENT MUST BE PRE-APPROVED BY THE LOGISTICS SECTION CHIEF AND/OR FINANCE SECTION CHIEF.

A FEDERAL TIME KEEPER WILL BE LOCATED IN THE TIME UNIT TRAILER TO ASSIST WITH FEDERAL TIME ISSUES.

CAL FIRE PERSONNEL, REMINDER THE END OF THE PAY PERIOD IS THIS SUNDAY. A EPAY CAFÉ HAS BEEN SET UP THE EAST UPPER DECK OF THE TIME UNIT TRAILER FOR YOUR USE.

OFFICE SUPPLY ORDERS WILL NOT BE ACCEPTED AFTER 1400 TODAY.

CALSTAR CODING

Fiscal Year: 12

CAMVU-008747

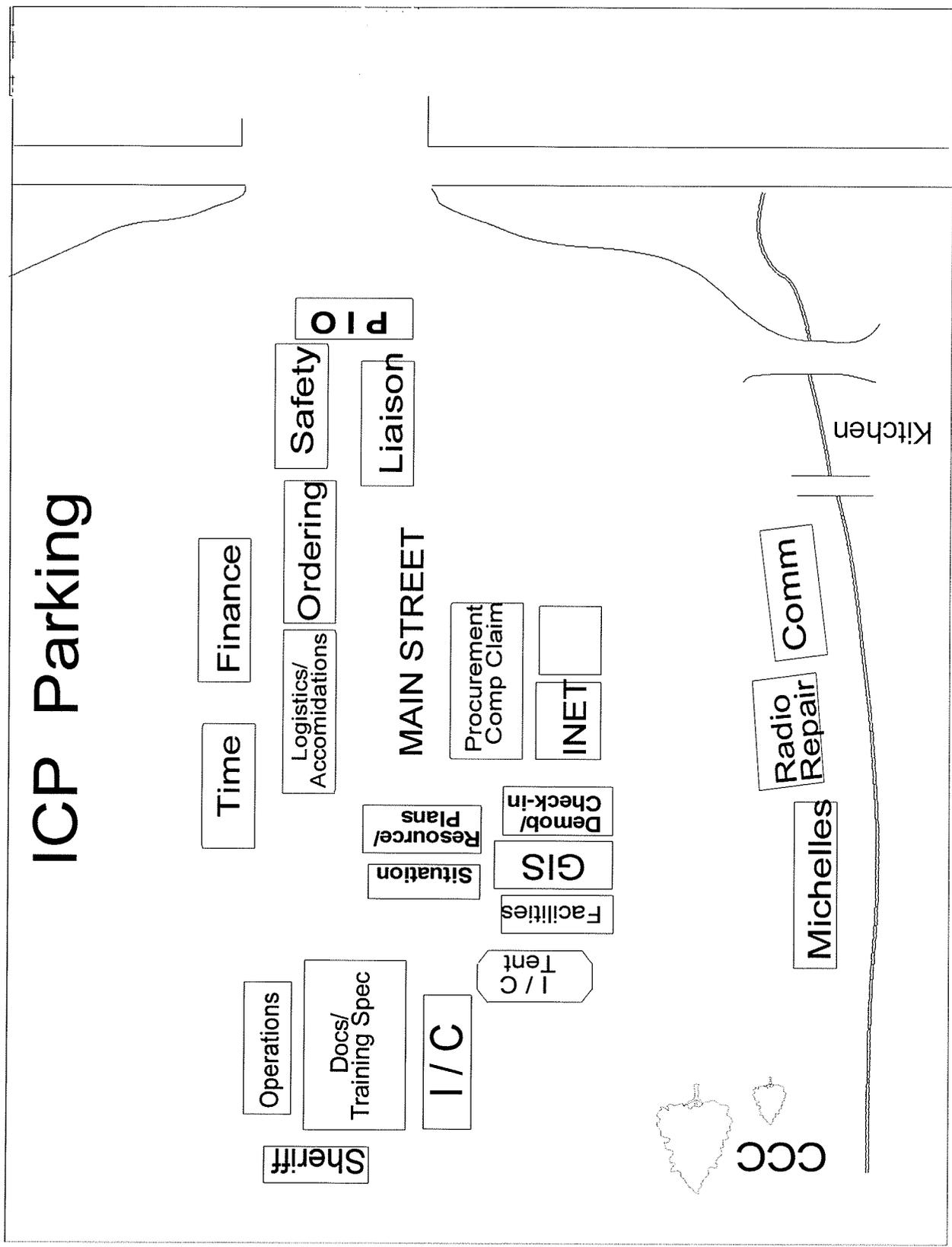
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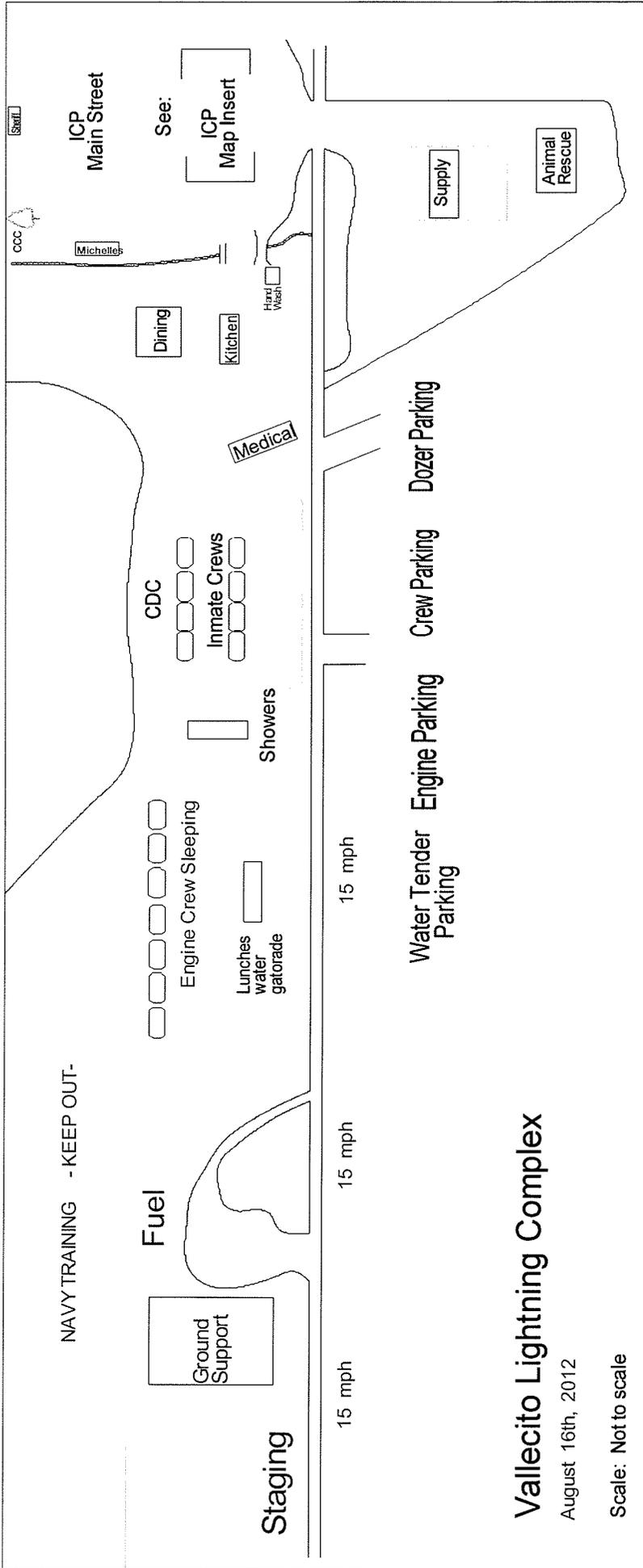
Index Code: 3300

PCA Code: 00900

ROGER RAINES, FSC1
RICH BROWNE, DEP. FSC1

ICP Parking





Vallecito Lightning Complex

August 16th, 2012

Scale: Not to scale

**DEMOBILIZATION PLAN
VALLECITO LIGHTNING COMPLEX
CAMVU-008747**

DEMOB PROCEDURES

- When your Name / Request number is posted on a Demob list, report to the Demobilization Unit.
- **FOR STRIKE TEAMS: ONLY THE STRIKE TEAM LEADER NEEDS TO REPORT TO THE DEMOBILIZATION UNIT.**
- You must have your Order / Request number to begin the Demobilization process.
- Pickup Demobilization Checkout form (ICS-221) from the Demobilization Unit, and obtain the necessary Unit Leader sign-offs:
 - Supply Unit
 - Communications Unit
 - Ground Support/Vehicle Inspection(If Applicable)
 - Documentation Unit
 - Time Unit
 - Training Unit(If Applicable)
 - Accommodations(If Applicable)
- Return the completed Demobilization Checkout form (ICS-221) to the Demob Unit.

Your mechanical inspection appointment time will be written in the upper right corner of your printed ICS-221.

**DO NOT REPORT FOR MECHANICAL INSPECTION PRIOR TO
YOUR ASSIGNED TIME FRAME!**

***Demob Inspections are located 11.3 miles east of Base Camp on
Highway 79 at the CALTrans yard.***

Rehab Guidelines and Specifications for Vallecito Lightning Complex

- a. Eliminate the dozer spoils (berm, rocks and brush) by broadcasting and scattering the material and vertical mulching over the dozer line. Visible bare mineral soil will be confined to 40% of dozer footprint, except where former trail is rehabilitated.
- b. Only install/construct water bars when instructed to do so by State Park trail manager for rehabilitation of former trail. Install/construct water bars based on the slope and spacing distance. Use the Slope/Spacing Table below:

Fireline Slope	Maximum Distance between Water Bars
0 - 10%	Assess/re-contour as needed
10 – 15%	150 feet
15 – 30%	100 Feet
30 – 40%	50 Feet
40% +	25 Feet
Construct a waterbar by cutting a trench at least 6" deep with a 6" berm diagonally completely across the dozer or hand line. Ensure the inlet and the exit of the water bar extends slightly pass the edge of the line. It is desirable to have the exit point to discharge into filtering material (rocks or brush, etc) to slow the movement of water.	

- c. When bulldozer line crosses/intersects with roadways, then utilize State Park approved barriers to prevent access by Off-Highway Vehicles.
- d. When bulldozer line crosses/intersects hiking trails, then remove the dirt and/or debris pile and re-establish the trail. If not possible, then coordinate with the lead agency to establish a sub-trail that reconnects to the main trail.
- e. For stream/water course crossings – see Item #5 Stream/Watercourse Crossings.
- f. Pick up and remove all litter, flagging, and excess fire line equipment.
- g. All rehabilitation work involving soil movement will be monitored by qualified archaeologist. Any cultural resources revealed by the original bulldozer disturbance or during rehabilitation work will be appropriately documented in the field (including GPS recording using State Parks cultural protocol and photographs) and recorded on appropriate DPR 523 archaeological resource record forms.



Scan the QR code below to access the available maps for the Vallecito Complex to your smart phone. You will need a QR code reader, available for iPhone and Android systems free of charge. After scanning the code you will have access to the entire library of PDF's available for this incident. Download what you need and please provide feedback to the Situation Unit.

***This is a pilot project and not a replacement for the printed maps.



ATTENTION ALL TRAINEES

In order to receive credit for this assignment as a trainee, you must check in with the Incident Training Specialist.

Steps for Training Check-In:

Please bring/complete your:

- Properly Initiated Position Task Book
- Trainer's contact information
- Qualification Card
- Trainee Information Sheet (located in the TNSP trainer)

Steps for Training Check-Out:

- **Completed sections of Task Book with Trainer Signature**
- **ICS Form 225 with Signatures**
- **Bring your Trainer**

All Trainees must close out by 1200hrs on August 19, 2012

Current Trainee's on Incident: 88

ATTENTION

**Please turn in all documents related
to the Chihuahua 2 Incident
(i.e. 203, 214, 225 etc.)
to the Documentation Unit
so they can complete their final
package.**

Thank You