

# CANYON INCIDENT

CA-ORC-17-105068

## INCIDENT ACTION PLAN



### OPERATIONAL PERIOD

9/29/2017 0700

to

9/30/2017 0700



# INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b> <p style="text-align: center;">CANYON</p>	<b>2. Operational Period:</b>	Date From: 9/29/2017 Time From: 0700	Date To: 9/30/2017 Time To: 0700
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**3. Objective(s):**

Management Objectives

- Provide for emergency personnel and public safety at all times.
- Protect property, improvements, and infrastructure.
- Ensure coordinated, timely, and accurate release of public information.
- Foster and maintain relationships with all cooperators and stakeholders.
- Protect economic, natural, cultural and heritage resources.
- Maintain fiscal accountability and keep costs commensurate with values at risk.

Control Objectives

- Keep the fire within established control lines.

**General Situational Awareness:**

Steep and rugged terrain, critically dry and receptive fuel beds, active area for fire history and rolling debris.

**5. Site Safety Plan Required?** Yes  No

**Approved Site Safety Plan(s) Located at:**

**6. Incident Action Plan**

<input checked="" type="checkbox"/> ICS 203	<input checked="" type="checkbox"/> ICS 215A	<input type="checkbox"/> Phone List	<input checked="" type="checkbox"/> Fire Suppression Repair Plan
<input checked="" type="checkbox"/> ICS 204	<input checked="" type="checkbox"/> ICS 220	<input checked="" type="checkbox"/> Training Message	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 205	<input checked="" type="checkbox"/> Incident Map	<input checked="" type="checkbox"/> Travel Map	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 206	<input checked="" type="checkbox"/> Weather Forecast	<input checked="" type="checkbox"/> Demob Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/> ICS 208	<input checked="" type="checkbox"/> Fire Behavior	<input checked="" type="checkbox"/> Finance Message	<input checked="" type="checkbox"/> ICS 214

<b>7. Prepared By:</b> Chris Post	Position/Title: PSC	Signature:
<b>8. Approved by Incident Commander:</b>	Jim Ferguson	Signature:

## ORGANIZATION ASSIGNMENT LIST (ICS 203)

<b>1. Incident Name:</b> CANYON		<b>2. Operational Period: Date From:</b> 9/29/2017		<b>Date To:</b> 9/30/2017	
		<b>Time From:</b> 0700		<b>Time To:</b> 0700	
<b>3. Incident Commander(s) and Command Staff:</b>			<b>7. Operation Section:</b>		
IC/UC's	J. Adams / B. Nunez / B. Estes	Chief	M. Blankenheim		
Deputy	J. Veik / J. Ferguson (T) / J. Estrada (T)	Deputy	T. Ernst		
Safety Officer	J. Buchmeier / J. Janssen	Night Ops	M. van Loben Sels / R. Roberts (T)		
Information Officer	J. Cox / S. Conciadli / L. Kurtz	Staging Area			
Liaison Officer	D. Carreiro / J. Abel / G. McKeown	<b>Branch</b>	<b>I</b>	<b>Patrick Russell</b>	
Law Enforcement Liaison	J. Davis / E. Lee / S. White	Division/Group	B	Brandon Lanning / Garrett Prater (T)	
		Division/Group	F	Keith Cummings / Michael Klusyk (T)	
		Division/Group	M	Tim Carey	
<b>4. Agency/Organization Representatives:</b>					
Agency/Organization	Name	Division/Group			
Anaheim Fire & Rescue	T. Ohara	Division/Group			
Corona Fire	M. Samuels	<b>Branch</b>	<b>II</b>	<b>George Casario</b>	
CHP	C. Bullen / C. Johnson	Division/Group	O	Gomez / Marvin Volrie (T)	
Edison	T. Whitman	Division/Group	T/X	Bill Lockhart / Robert Szczepanek (T)	
CAL Trans	R. McConnell	Division/Group			
CCC	P. Hancock				
CDCR	H. Morua				
CAL OES	D. Stone / P. Mercado	<b>Branch</b>	<b>Supp Repair</b>		
		Division/Group	Supp Repair	Hans Bolowich / Adam Estabrook (T)	
<b>5. Planning Section:</b>					
Chief	C. Post / A. Mitchell				
Deputy	M. Mills				
Resource Unit	G. Garcia / D. Scheurich / J. Irving				
Situation Unit	S. Sherwood / T. Gikas				
Documentation Unit	J. Rechel				
Demobilization Unit	T. Shevenell / D. Pucci				
GISS	T. Knecht				
FBAN / Weather	S. Volmer				
Training Tech Spec	S. Vargas				
Crew Tech Spec	J. Russel				
<b>Air Operations Branch</b>					
<b>6. Logistics Section</b>		Air Operations Branch Director		S. Packwood	
Chief	D. Martin / E. Moore / S. Dohman (T)		Air Support Grp Sup	T. Swanson	
Supply Unit	P. Lee		Helibase Manager	S. Corn	
Facilities Unit	B. Luiz		<b>8. Finance/Administration Section:</b>		
Ground Support Unit	J. Warden		Chief	J. Ruane / H. Keene / S. Hogan	
Hired Equipment Tech	J. Luckenbach		Time Unit	V. Navarro / A. Corpuz / S. Chavez	
Communications Unit	J. Brooks		Procurement Unit	J. Andrade / M Lamonica	
Medical Unit	M. Lathrup		Comp/Claims Unit	J. Tapia	
Motel Tech Spec	J. Tomsich / M. Aldrich / K. Angres		Cost Unit	G. Belk	
<b>Prepared By: Name:</b> Mike Mills <b>Position/Title:</b> PSC <b>Signature:</b> 					
<b>ICS 203</b> <b>Date/Time:</b> 9/28/2017 2300 hours					

**Canyon Fire**

National Weather Service San Diego

2017-09-28 3:45 PM PDT

Spot Forecast for Canyon Fire...Orange County Fire Authority  
National Weather Service SAN DIEGO CA  
344 PM PDT Thu Sep 28 2017

Forecast is based on request time of 0500 PDT on September 29.  
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

**.DISCUSSION...**

The northeast winds will be a bit lighter through Friday with similar daytime temperatures and humidities as today, but slightly better overnight recoveries. Daily wind shifts will still be likely with the seabreeze bringing an afternoon shift to the west-southwest and gusty. Lighter northeast winds are expected tonight and Friday night, especially near the ridgetops. Saturday brings a noticeable change as the westerly winds become stronger, initiate earlier in the daytime and extend up to the ridgetops. East winds return Saturday night but are likely to be very weak.

**.FRIDAY...**

Sky/weather.....Mostly sunny.  
Max temperature.....Around 89.  
Min humidity.....15 to 20 percent.  
Eye Level Winds.....Light winds in the early morning becoming west  
3 to 9 mph after 11 am.  
Wind (20 FT).....  
Slopes.....Light winds in the early morning becoming west  
5 to 11 mph with gusts to 15 mph after 11 am.  
Gusts becoming 20 mph in the afternoon.  
Ridgetop.....Northeast 10 mph with gusts to 20 mph becoming west  
10 to 15 mph in the afternoon.  
Mixing Height.....1000-1500 ft AGL...becoming 6000-7000 ft AGL  
late in the morning, then...becoming 2500 ft  
AGL late in the afternoon.  
Mixing Winds.....East 5 mph becoming west 5 to 10 mph after  
11 am.

**.FRIDAY NIGHT...**

Sky/weather.....Mostly clear.  
Min temperature.....Around 69.  
Max humidity.....40 percent.  
Eye Level Winds.....Southwest winds 3 to 9 mph in the evening  
becoming light.  
Wind (20 FT).....  
Slopes.....Southwest winds 5 to 11 mph with gusts to 20  
mph in the evening becoming light.  
Ridgetop.....West 10 mph with gusts to 20 mph.  
Mixing Height.....1000-2500 ft AGL...becoming 500 ft AGL late in  
the evening.  
Mixing Winds.....Southwest 5 mph becoming east overnight.

**.SATURDAY...**

Sky/weather.....Mostly sunny.  
Max temperature.....Around 86.  
Min humidity.....30 percent.  
Eye Level Winds.....Light winds in the early morning becoming southwest

3 to 11 mph with gusts to 15 mph after 11 am.  
 Wind (20 FT).....  
 Slopes.....Light winds in the early morning becoming southwest  
 5 to 11 mph with gusts to 15 after 11 am. Gusts  
 becoming 25 mph in the afternoon.  
 Ridgetop.....West 15 mph with gusts to 25 mph.  
 Mixing Height.....500 ft AGL...becoming 2500-3000 ft AGL late in  
 the morning, then...becoming 4000-4500 ft AGL  
 early in the afternoon...becoming 1500 ft AGL  
 late in the afternoon.  
 Mixing Winds.....Southwest 10 mph.

.FORECAST DAYS 3 THROUGH 5...

.SUNDAY...

Mostly clear. Lows in the mid 60s. Highs in the upper 70s.

Southwest winds 5 mph.

.MONDAY...

Mostly clear. Lows in the lower 60s. Highs in the lower 70s.

Winds southwest 5 mph.

.TUESDAY...

Mostly clear. Lows around 60. Highs around 70. Winds east 5 mph.

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Forecaster...PHIL GONSALVES

Requested by...Shane Sherwood

Type of request...WILDFIRE

.TAG 1716242.3/SGX

.EMAIL

shanesherwood@ocfa.org, Stephen.Volmer@fire.ca.gov, sgx.forecasters@noaa.gov

# FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER: 3</b>	<b>TYPE OF FIRE: WILDLAND</b>
<b>FIRE NAME: CANYON</b>	<b>OPERATIONAL PERIOD: September 29 07:00-07:00</b>
<b>DATE ISSUED: September 28, 2017</b>	<b>TIME ISSUED: 20:00</b>
<b>UNIT: Orange County ORC-105068</b>	<b>SIGNED: </b>
	<b>Typed/printed: FBAN Stephen Volmer</b>

## INPUTS

**WEATHER SUMMARY:** Light Northeast winds will occur during the early morning hours, then shift to the West 10-15mph beginning in the afternoon. Evening winds will remain from the Southwest 5-10mph with gusts to 20mph, becoming light before sunrise.

Daytime high temperature 89 degrees (up 3), low temperature will be 69 degrees (no change). Minimum relative humidity will be 20% during the day, and increase to 40% overnight with a continued moderate recovery expected.

## OUTPUTS

### FIRE BEHAVIOR

**GENERAL:** Fuels have begun to recover from the overnight moisture, but they are still at critical levels, making ignition and fire spread easy when in alignment with wind, slope, and topography.

Stump holes and "cat-piles" with deep seated heat will be present in all divisions of the fire.

All unchecked spots and "cat-piles" have the potential to become established easily. Deep seated heat will readily ignite when exposed to ridgetop winds.

Current ERC levels have continued to drop slowly since the 25<sup>th</sup>, placing the area well below the 90<sup>th</sup> percentile.

**SPECIFIC:** The fire behavior below outlines what can be expected from any new start in the local fire area.

**GRASS:** Rate of Spread....70 ft/min Flame Length....6 ft Spotting....1/3 mi Probability of Ignition 65%

**GRASS SHRUB:** Rate of Spread....50 ft/min Flame Length....7 ft Spotting....1/3 mi Probability of Ignition 65%

**BRUSH:** Rate of Spread....107 ft/min Flame Length....20 ft Spotting....1/2mi Probability of Ignition 65%

Fuels are still very receptive to ignition. Be cautious of rehab work being done by heavy equipment, and parking locations.

Sunset 9/29... 18:93 Sunrise 9/30... 06:45

**AIR OPERATIONS:** Mixing begins at 5mph from the East with a height of 7000' AGL, dropping to 2500' AGL in the afternoon changing to the West 5-10. Winds will become turbulent during the afternoon wind shift. Erratic winds will be present over ridgetops in the afternoon.

## SAFETY

Fire weakened timber will fall without warning, especially during wind shifts and gusts.  
Relatively small fires or deceptively quiet areas of large fires.  
Terrain and fuels make escape to safety zones difficult. Plan your routes even during mop-up.



# SAFETY MESSAGE CANYON INCIDENT



1. Incident Name: Canyon

2. Operational Period: Date From: 09/29/17  
Time From: 07:00

Date To: 09/30/17  
Time To: 07:00

3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:

## AVOID COMPLACENCY DURING THE RAPID WIND-DOWN OF THE INCIDENT

- Use proper lifting techniques when lifting, backhauling, etc.
- Remember to complete your "Golden Circle" prior to moving Apparatus. One minute spend completing you "walk around" could save hours, injuries, etc.
- Continue to follow "Work-Rest Guidelines" throughout the Incident.
- Be aware of complacency. Review the "Common Denominators". Have a contingency plan.
- Review WILDLAND URBAN INTERFACE FIREFIGHTING pgs. 12-16 of your IRPG.
- No PPE allowed in the eating areas. Wash hands regularly and always before entering the eating areas.
- If personnel get fatigued, but it's not a medical emergency, use line medics for evaluation and rehab in a shaded area on the fire line.
- Drive with head lights on and slow down.
- Anyone working on Hwy 91 must use code three lights while parked. Be aware of traffic passing in the open lanes.

IT'S NOT OVER UNTIL IT'S OVER!


4. Site Safety Plan Required? Yes  No

5. Prepared by: Name: Buchmeier SOFT / Janssen SOF1(T)

ICS 208

Date/Time September 28, 2017 / 1900

# INCIDENT ACTION PLAN SAFETY ANALYSIS (ICS 215A)

<b>1. Incident Name:</b> Canyon		<b>2. Incident Number:</b> CA-ORC-17-105068	
<b>3. Date/Time Prepared:</b> Date: 09/28/2017 Time: 1230 hours		<b>4. Operational Period:</b> Date From: 09/29/2017 Date To: 09/30/2017 Time From: 0700 hours Time To: 0700 hours	
5. Incident Area	6. Hazards/Risks	7. Mitigations	
ALL	Routes of Travel; Entering and Exiting Incident Base, Speed Limit at Incident Base	<ul style="list-style-type: none"> <li>Drive with extreme caution, lights on, drive slowly and expect opposing traffic</li> <li>Follow one way traffic plan</li> </ul>	
DIV-M	Hazardous Materials	<ul style="list-style-type: none"> <li>KEEP OUT!</li> <li>Isolate &amp; Deny Entry</li> <li>No suppression activity</li> </ul>	
ALL	Helicopter Water Drops and Turbulence	<ul style="list-style-type: none"> <li>Post lookouts and make escape routes and safety zones known</li> <li>LCES; Watch overhead for debris and wind changes</li> </ul>	
ALL	Fireline Suppression Repair	<ul style="list-style-type: none"> <li>Caution working in an around heavy Equipment</li> <li>Watch for rolling material when heavy equipment working above</li> </ul>	
ALL	Line Construction	<ul style="list-style-type: none"> <li>Conduct thorough briefing for all personnel (inside rear cover IRPG)</li> <li>Ensure LCES in place prior to engagement (IRPG p. 7)</li> <li>Establish adequate Safety Zones (IRPG p.8)</li> <li>Use Downhill Line Checklist (IRPG p.9). Follow "Look Up, Look Down, Look Around" procedures (IRPG p.4)</li> <li>Utilize Risk Management Process (IRPG p.1)</li> </ul>	
ALL	Steep Terrain	<ul style="list-style-type: none"> <li>Watch footing, maintain downhill tool placement</li> <li>Be aware of loose material becoming dislodged</li> </ul>	
ALL	Hydration	<ul style="list-style-type: none"> <li>Drinking water before, during and after shifts. Up to 1.5 gal. per shift</li> <li>Be alert for signs of heat stress in yourself and others</li> </ul>	
ALL	Fatigue – Physical and Mental	<ul style="list-style-type: none"> <li>Continually monitor your crew for fatigue and illness</li> <li>Rehab your crew; take breaks, out of the smoke if possible</li> <li>Know the signs and symptoms. Look out for one another</li> </ul>	
ALL	Mop-up	<ul style="list-style-type: none"> <li>Conduct thorough briefing for all personnel (inside rear cover IRPG)</li> <li>Use all required PPE, including eye protection</li> <li>Maintain proper spacing and overhead clearance</li> <li>Be alert for stump holes and root cavities</li> <li>Minimize exposure to smoke, and rotate personnel into clean air as practical</li> <li>Evaluate unburned islands/Increase situational awareness</li> </ul>	
ALL	Demob & PPE	<ul style="list-style-type: none"> <li>Follow the Demob Safety Message</li> <li>Ensure your PPE is In-Service. Repair/Replace as needed</li> </ul>	
<b>8. Prepared by (Safety Officer):</b> Name: Joe Buchmeier/Josh Janssen			
ICS-215A			





# **DEMOBILIZATION SAFETY MESSAGE**



On Behalf of CAL FIRE Incident Management Team 6 we would like to thank you for your assistance. We wish you safe travels home or to your next assignment. Below are a few reminders to make your trip safer:

- Conduct walk around before driving.
- Check for and secure all loose items (ie: tools, hose, and packs).
- Wear seat belts at all times.
- Monitor all drivers for fatigue,
  - Switch drivers regularly if possible.
  - Find a safe place to stop, exit the vehicle and stretch.
  - If all else fails, stop and take a short rest to revitalize.
- Obey Posted Speed Limits.
- Ensure Personnel have adequate nutrition and hydration for the trip.
- Be prepared for the next incident.

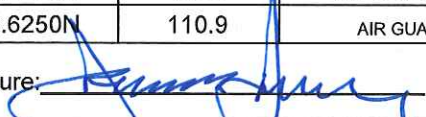
**Thank you again for your safe hard work!**

JOE BUCHMEIER SOF1

JOSH JANSSEN SOF1 (T)

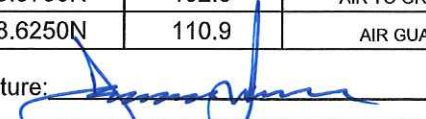
## ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED  
INFORMATION//BASIC

<b>1. Incident Name:</b>  <p style="text-align: center;">CANYON</p>		<b>2. Operational Period:</b> Date From: 09/29/17      Date To: 09/30/17 Time From: 0700          Time To: 0700			<b>3.</b>  Branch: <span style="float: right;"><b>I</b></span> Div/Group: <span style="float: right;"><b>B</b></span> <span style="float: right;"><b>Bravo</b></span>		
<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: <b>Patrick Russell</b> Branch Safety: <b>Mike Camba</b> Division/Group Supervisor: <b>Brandon Lanning / Garrett Prater (T)</b>							
<b>5. Resources Assigned:</b>		** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information Time                          Location		
Resource Identifier	Leader	Personnel	Request #				
STC RRU 9310C	Owens, Barry L	19	E-12	0700-0700	Palisades Dr		
<b>6. Work Assignments:</b> Mop up 100' and patrol Improve fireline Extinguish hotspots Backhaul trash and hose							
<b>7. Special Instructions:</b>  <div style="height: 100px; border: 1px solid black;"></div>							
<b>8. Communications</b> (radio and/or phone contact numbers needed for this assignment):							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
CDF T27	7	Tactical	159.3075N	192.8	159.3075N	192.8	
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD
<b>9. Prepared by: Name:</b> Jim Irving      Pos/Title:    RESL							
<b>ICS 204</b>			Date/Time: 9/28/2017    2300 hours		Signature: 		

# ASSIGNMENT LIST (ICS 204)

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INFORMATION//BASIC

<b>1. Incident Name:</b> <b>CANYON</b>		<b>2. Operational Period:</b> Date From: 09/29/17      Date To: 09/30/17 Time From: 0700      Time To: 0700			<b>3.</b>  Branch: <b>I</b>  Div/Group: <b>F</b>  <b>Foxtrot</b>		
<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: <b>Patrick Russell</b> Branch Safety: <b>Mike Camba</b> Division/Group Supervisor: <b>Keith Cummings / Michael Klusyk (T)</b>							
<b>5. Resources Assigned:</b>		<b>** Resources Below in Bold are 12 Hour **</b>			Reporting Location, Special Equipment, Remarks, Notes, and Information		
Resource Identifier	Leader	Personnel	Request #	Time	Location		
STC BEU 9460C	Nunez, George A	16	E-2053	0700-0700	DP-3		
<b>ENG CA-CNF - 320</b>	<b>Avakian, Federico</b>	<b>4</b>	<b>E-147</b>	<b>0700-1900</b>	<b>DP-3</b>		
<b>ENG CA-CNF - 321</b>	<b>Volrie, Marvin</b>	<b>4</b>	<b>E-148</b>	<b>0700-1900</b>	<b>DP-3</b>		
<b>ENG CA-CNF - 322</b>	<b>Gomez, Robert P</b>	<b>4</b>	<b>E-149</b>	<b>0700-1900</b>	<b>DP-3</b>		
STG LAC 1181G	Riley, Brian J	33	C-8	0700-0700	DP-3		
<b>CRW EL CARISO IHC</b>	<b>Kott, Charles</b>	<b>20</b>	<b>C-18</b>	<b>0700-1900</b>	<b>DP-3</b>		
<b>W/T CNF 222</b>	<b>Reginald, Gino</b>	<b>2</b>	<b>E-152</b>	<b>0700-1900</b>	<b>DP-3</b>		
FEMP NAJERA O-2061	Najera, Robert	1	O-2061	0700-0700	DP-3		
FEMT MOTA O-2064	Mota, Arturo	1	O-2064	0700-0700	DP-3		
<b>6. Work Assignments:</b> Mop up 100' and patrol Improve fireline Extinguish hotspots Backhaul trash and hose							
<b>7. Special Instructions:</b>							
<b>8. Communications</b> (radio and/or phone contact numbers needed for this assignment):							
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
CDF T13	5	Tactical	151.3775N	192.8	151.3775N	192.8	
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD
<b>9. Prepared by: Name:</b> Jim Irving      Pos/Title: RESL      Signature:  <b>ICS 204</b> Date/Time: 9/28/2017 2300 hours							

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<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> <b>Night Ops: M. van Loben Sels / R. Roberts (T)</b> Branch Director: <b>Patrick Russell</b> Branch Safety: <b>Mike Camba</b> Division/Group Supervisor: <b>Tim Carey</b>	
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5. Resources Assigned:	** Resources Below in Bold are 12 Hour **			Reporting Location, Special Equipment, Remarks, Notes, and Information	
Resource Identifier	Leader	Personnel	Request #	Time	Location
<b>STC LPF 1653 C</b>	<b>Valencia, Dave</b>	<b>20</b>	<b>E-58</b>	<b>0700-1900</b>	<b>DP-5</b>
<b>ENG CA-CNF - 325</b>	<b>Castro, Adolfo R</b>	<b>4</b>	<b>E-151</b>	<b>0700-1900</b>	<b>DP-5</b>
<b>ENG CA-CNF - 327</b>	<b>Gomez, Romon</b>	<b>4</b>	<b>E-150</b>	<b>0700-1900</b>	<b>DP-5</b>
STG RRU 9311G	Colunga, Louis	33	C-22	0700-0700	DP-5

**6. Work Assignments:**  
 Mop up 100' and patrol  
 Improve fireline  
 Extinguish hotspots  
 Backhaul trash and hose

**7. Special Instructions:**

**8. Communications** (radio and/or phone contact numbers needed for this assignment):

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
CDF T26	6	Tactical	159.2925N	192.8	159.2925N	192.8	
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD

**9. Prepared by: Name:** Jim Irving    Pos/Title: RESL    Signature:   
**ICS 204**    Date/Time: 9/28/2017 2300 hours

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<b>1. Incident Name:</b> <b>CANYON</b>		<b>2. Operational Period:</b> Date From: 09/29/17 Date To: 09/30/17 Time From: 0700 Time To: 0700				<b>3.</b>  Branch: <b>II</b>  Div/Group: <b>O</b>  <b>Oscar</b>		
<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: <b>George Casario</b> Branch Safety: <b>Isaac Naylor (12hr)</b> Division/Group Supervisor: <b>Gomez / Marvin Volrie (T)</b>								
<b>5. Resources Assigned:</b>		<b>** Resources Below in Bold are 12 Hour **</b>				Reporting Location, Special Equipment, Remarks, Notes, and Information Time Location		
Resource Identifier	Leader	Personnel	Request #					
<b>STC CNF 6631C</b>	<b>Gray, Timothy</b>	<b>21</b>	<b>E-43</b>	<b>0700-1900</b>	<b>DP-2</b>			
STG RRU 9312G	Black, Neil R	33	C-6	0700-0700	DP-2			
<b>CRW Bear Divide Hotshots IHC</b>	<b>Thomas, Joshua</b>	<b>19</b>	<b>C-11</b>	<b>0700-1900</b>	<b>DP-2</b>			
W/T PVT E-101	Deskovick, Matt	2	E-101	0700-0700	DP-2			
FEMP HACKING O-2056	Hacking, Adam S	1	O-2056	0700-0700	DP-2			
FEMP LUNA O-136	Luna, Thomas	1	O-136	0700-0700	DP-2			
<b>6. Work Assignments:</b> Mop up and patrol Improve fireline Extinguish hotspots Backhaul trash and hose								
<b>7. Special Instructions:</b>								
<b>8. Communications</b> (radio and/or phone contact numbers needed for this assignment):								
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes	
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak	
NIFC T5	8	Tactical	166.7250N		166.7250N			
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION	
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND	
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD	
<b>9. Prepared by: Name:</b> Jim Irving                          Pos/Title: RESL <b>ICS 204</b> Date/Time: 9/28/2017      2300 hours                          Signature:								

# ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED  
INFORMATION//BASIC

<b>1. Incident Name:</b> <p style="text-align: center;"><b>CANYON</b></p>	<b>2. Operational Period:</b> Date From: 09/29/17      Date To: 09/30/17 Time From: 0700              Time To: 0700	<b>3.</b>  Branch: <span style="float: right;"><b>II</b></span>  Div/Group: <span style="float: right;"><b>T/X</b></span>
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<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: <b>George Casario</b> Branch Safety: <b>Isaac Naylor</b> Division/Group Supervisor: <b>Bill Lockhart / Robert Szczepanek (T)</b> (12hr)	
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<b>5. Resources Assigned:</b>	<b>** Resources Below in Bold are 12 Hour **</b>			Reporting Location, Special Equipment, Remarks, Notes, and Information	
Resource Identifier	Leader	Personnel	Request #	Time	Location
STC ORC 9328C	<b>Henry, James</b>	20	E-23	0700-0700	DP-1
ENG 308	Thompson, Dave	3	E-17	0700-0700	DP-1
ENG 307	Lewin, Gregroy	3	E-19	0700-0700	DP-1
ENG 309	Mosman, Daniel	4	E-16	0700-0700	DP-1
<b>W/T PVT E-90</b>	<b>Perrault, Charlie</b>	<b>1</b>	<b>E-90</b>	<b>0700-1900</b>	<b>DP-1</b>

**6. Work Assignments:**  
 Mop up 100' and patrol  
 Improve fireline  
 Extinguish hotspots  
 Backhaul trash and hose

**7. Special Instructions:**

**8. Communications** (radio and/or phone contact numbers needed for this assignment):

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
NIFC T6	9	Tactical	166.7750N		166.7750N		
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD

<b>9. Prepared by: Name:</b>	Jim Irving	Pos/Title: RESL	Signature:
<b>ICS 204</b>	Date/Time: 9/28/2017	2300 hours	

# ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED  
INFORMATION//BASIC

<b>1. Incident Name:</b> <p style="text-align: center;"><b>CANYON</b></p>	<b>2. Operational Period:</b> Date From: 09/29/17      Date To: 09/30/17 Time From: 0700      Time To: 0700	<b>3.</b>  Branch:  Div/Group: <b>Supp Repair</b>  <p style="text-align: right;"><b>Page 1 of 2</b></p>
<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: Division/Group Supervisor: <b>Hans Bolowich / Adam Estabrook (T)</b>		


<b>5. Resources Assigned:</b>	<b>** Resources Below in Bold are 12 Hour **</b>				Reporting Location, Special Equipment, Remarks, Notes, and Information
Resource Identifier	Leader	Personnel	Request #	Time	Location
<b>FOBS RODGERS O-76</b>	<b>Rodgers, Brandon</b>	<b>1</b>	<b>O-76</b>	<b>0700-1900</b>	<b>ICP</b>
<b>STG BDU 9355 G</b>	<b>Apodaca, Mike</b>	<b>33</b>	<b>C-23</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-29</b>	<b>Van Gaale, Jon</b>	<b>1</b>	<b>E-29</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-27</b>	<b>Johnson, Chad</b>	<b>1</b>	<b>E-27</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-103</b>	<b>Holtz, Richard</b>	<b>1</b>	<b>E-103</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-104</b>	<b>Goodwin, Russ</b>	<b>1</b>	<b>E-104</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-106</b>	<b>Bramlett, Manny</b>	<b>1</b>	<b>E-106</b>	<b>0700-1900</b>	<b>ICP</b>
<b>DOZ PVT E-108</b>	<b>Puevah, Eric</b>	<b>1</b>	<b>E-108</b>	<b>0700-1900</b>	<b>ICP</b>
<b>GRADER - T2 - R &amp; R PVT E-2065</b>	<b>Elliott, Nathan</b>	<b>1</b>	<b>E-2065</b>	<b>0700-1900</b>	<b>ICP</b>
<b>W/T BDF 12</b>	<b>Hernandez, Steven</b>	<b>1</b>	<b>E-94</b>	<b>0700-1900</b>	<b>ICP</b>
<b>W/T NAT E-89</b>	<b>Robinson, Scott</b>	<b>1</b>	<b>E-89</b>	<b>0700-1900</b>	<b>ICP</b>
<b>W/T PVT E-85</b>	<b>Martin, Jerry</b>	<b>1</b>	<b>E-85</b>	<b>0700-1900</b>	<b>ICP</b>
<b>W/T PVT E-88</b>	<b>Lebow, Ron</b>	<b>1</b>	<b>E-88</b>	<b>0700-1900</b>	<b>ICP</b>
<b>W/T PVT E-91</b>	<b>Oxenham, Gary</b>	<b>1</b>	<b>E-91</b>	<b>0700-1900</b>	<b>ICP</b>
<b>HEQB Newell O-211</b>	<b>Newell, David</b>	<b>1</b>	<b>O-211</b>	<b>0700-1900</b>	<b>ICP</b>
<b>HEQB ATTEBURY O-52</b>	<b>Attebury, Dustin</b>	<b>1</b>	<b>O-52</b>	<b>0700-1900</b>	<b>ICP</b>
<b>HEQB TOSCANO O-54</b>	<b>Toscano, Gilbert</b>	<b>1</b>	<b>O-54</b>	<b>0700-1900</b>	<b>ICP</b>
<b>HEQB KAILEY O-53</b>	<b>Kailey, Kanwardip S</b>	<b>1</b>	<b>O-53</b>	<b>0700-1900</b>	<b>ICP</b>

**6. Work Assignments:**  
 Implement fire suppression repair plan

**7. Special Instructions:**

**8. Communications** (radio and/or phone contact numbers needed for this assignment):

Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
VFIRE 24	10	Tactical	154.2725N	156.7	154.2725N	156.7	
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD

**9. Prepared by: Name:** Jim Irving      Pos/Title: RESL      Signature: 

**ICS 204**      Date/Time: 9/28/2017 2300 hours

# ASSIGNMENT LIST (ICS 204)

CONTROLLED UNCLASSIFIED  
INFORMATION//BASIC

<b>1. Incident Name:</b> <p style="text-align: center;"><b>CANYON</b></p>	<b>2. Operational Period:</b> Date From: 09/29/17      Date To: 09/30/17 Time From: 0700              Time To: 0700	<b>3.</b>  Branch:  Div/Group: <b>Supp Repair</b>
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<b>4. Operations Personnel:</b> Operations Section Chief: <b>M. Blankenheim</b> Night Ops: <b>M. van Loben Sels / R. Roberts (T)</b> Branch Director: Division/Group Supervisor: <b>Hans Bolowich / Adam Estabrook (T)</b>	Page 2 of 2
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<b>5. Resources Assigned:</b>	<b>** Resources Below in Bold are 12 Hour **</b>			Reporting Location, Special Equipment, Remarks, Notes, and Information
Resource Identifier	Leader	Personnel	Request #	Time                  Location
<b>HEQB MONTELONGO O-2022</b>	<b>Montelongo, Andy</b>	<b>1</b>	<b>O-2022</b>	<b>0700-1900    ICP</b>
<b>FOBS MADSEN O-77</b>	<b>Madsen, Douglas</b>	<b>1</b>	<b>O-77</b>	<b>0700-1900    ICP</b>
<b>RESP STEMPNIEWICS O-2086</b>	<b>Stempniewics, Victoria</b>	<b>1</b>	<b>O-2086</b>	<b>0700-1900    ICP</b>
<b>RESP WELLS O-2080</b>	<b>Wells, Jeff</b>	<b>1</b>	<b>O-2080</b>	<b>0700-1900    ICP</b>

<b>6. Work Assignments:</b>	Implement fire suppression repair plan
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<b>7. Special Instructions:</b>	
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<b>8. Communications</b>	(radio and/or phone contact numbers needed for this assignment):						
Name	Ch	Function	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
CDF C3 T4	1	Command	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
VFIRE 24	10	Tactical	154.2725N	156.7	154.2725N	156.7	
CALCORD	15	Coordination	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
CDF T20	14	Air to Ground	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
GUARD	16	Emergency	168.6250N		168.6250N	110.9	AIR GUARD

<b>9. Prepared by: Name:</b>	Jim Irving	Pos/Title: RESL	Signature:
<b>ICS 204</b>	Date/Time: 9/28/2017	2300 hours	





<b>MEDICAL PLAN</b> <b>ICS 206</b>	1. INCIDENT NAME <b>Canyon</b>	2. DATE PREPARED 9-28-17	3. TIME PREPARED 1500	4. OPERATIONAL PERIOD 9/29/17 0700 – 9/30/17 0700
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**5. INCIDENT MEDICAL AID STATIONS**

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
Medical Supplies	Base Camp		X
MERT w/Treatment	Base Camp	X	

**6. TRANSPORTATION**

**A. AMBULANCE SERVICES**

NAME	LOCATION	PHONE	PARAMEDICS	
			YES	NO
Care Ambulance (ALS w/Fire)	Villa Park, OCFA / Anaheim FS 9	714-288-3896		X
Mercy Air 4	Fullerton Airport	800-675-9421	X	
OCFA Air Ship	Fullerton Airport	714-573-6522	X	

**B. INCIDENT AMBULANCES**

NAME	LOCATION	PARAMEDICS	
		YES	NO

**7. HOSPITALS**

NAME Med Net Channel	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
UC Irvine Health Regional Level I Trauma	101 The City Drive South Orange, CA 92868	5	10	714-456-7890	X		X	
Orange County Global MC Level II Trauma / STEMI	1001 N Tustin Avenue, Santa Ana, CA 92705	8	20	714-953-3331	X		X	
Corona Regional MC	800 S Main St Corona, CA 92882	15	45	951-737-6241		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 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 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.**

<b>ICS 206</b> (Rev 03/12) FR	9. PREPARED BY: (Medical Unit Leader) Matt Lathrop MEDL 	10. REVIEWED BY: (Safety Officer) 
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# ICS 205 - INCIDENT RADIO COMMUNICATIONS PLAN

CONTROLLED UNCLASSIFIED  
INFORMATION/BASIC

<b>1. Incident Name:</b> CANYON		<b>2. Date/Time Prepared</b> Date: 09/28/2017 Time: 1830		<b>3. Operational Period:</b> Date From: 09/29/17 Time From: 0700		<b>Date To:</b> 09/30/17 <b>Time To:</b> 0700		
<b>4. Communications</b>								
Ch#	Function	Name	Assigned To	Rx Freq	Rx Tone	Tx Freq	Tx Tone	Notes
1	Command	CDF C3 T4	All Divisions	151.3400N	103.5	159.3450N	136.5	Tone 4 -Sierra Peak
2								
3								
4								
5	Tactical	CDF T13	DIV F	151.3775N	192.8	151.3775N	192.8	
6	Tactical	CDF T26	DIV M	159.2925N	192.8	159.2925N	192.8	
7	Tactical	CDF T27	DIV B	159.3075N	192.8	159.3075N	192.8	
8	Tactical	NIFC T5	DIV O	166.7250N		166.7250N		
9	Tactical	NIFC T6	DIV T / X	166.7750N		166.7750N		
10	Tactical	VFIRE 24	SUP REPAIR	154.2725N	156.7	154.2725N	156.7	
11								
12								
13								
14	Air to Ground	CDF T20	All Divisions	159.3750N	192.8	159.3750N	192.8	AIR TO GROUND
15	Coordination	CALCORD	All Divisions	156.0750N	156.7	156.0750N	156.7	MEDICAL COORDINATION
16	Emergency	GUARD	All Divisions	168.6250N		168.6250N	110.9	AIR GUARD
17								
18								
19								
20	Emergency	GUARD	All Divisions	168.6250N		168.6250N	110.9	AIR GUARD
<b>5. Special Instructions</b>								
<b>6. Prepared by (Communications Unit Leader): Name: John Brooks COML</b>				Signature: 				
<b>ICS 205 - CONTROLLED UNCLASSIFIED INFORMATION//BASIC</b>				Date/Time: 09/28/17 1830				

# **LAST TRAINING MESSAGE ON the CANYON FIRE**

FOR THOSE WHO ARE DEMOBING AS A  
TRAINEE.....

*And I know who you are.....*

Be sure that you have your evaluator sign your performance evaluation (ICS 225), your task book evaluation page and sign off the appropriate tasks/components on your task book.

If you are here as a trainee and have not checked in with TRAINING yet.....

You may want to bring a pocket full of snacks and some patients.

It may be a long day for you.....

**Training will be closed for  
this incident at 12:00 today!**

STATE OF CALIFORNIA  
 DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
**PROPERTY CERTIFICATION OF LOCATION OR DAMAGE**  
**CERTIFICATE OF RESPONSIBILITY FOR INCIDENT OCCURRENCE**  
 CAL FIRE-101 page 1 of 2 (1/07)

**Incident#:** \_\_\_\_\_  
**Request #:** \_\_\_\_\_

DOC. NUMBER: \_\_\_\_\_

LOCATION / INCIDENT NAME: \_\_\_\_\_ INCIDENT NUMBER: \_\_\_\_\_ UNIT: \_\_\_\_\_ REGION: \_\_\_\_\_ DATE: \_\_\_\_\_

THE FOLLOWING ARTICLES WERE: (broken, left on line, damaged, or other) \_\_\_\_\_ DATE OF OCCURRENCE: \_\_\_\_\_

QUANTITY	UNIT OF MEAS.	CAL FIRE STOCK NUMBER (COMPLETE WHENEVER ASSIGNED)	DESCRIPTION (INDICATE SIZE, MAKE, MODEL, TYPE, ETC.. TO CLEARLY DESCRIBE THE ITEM. PROVIDE ADEQUATE DATA TO EFFECTIVELY IDENTIFY EQUIPMENT OR PROPERTY.)	PROPERTY NUMBER

**DIV: \_\_\_\_\_ Div's Name: \_\_\_\_\_**  
**Div. Signature: \_\_\_\_\_**  
 Attention Division Group Sup., by signing you are authorizing the above items to be replaced by the Supply Unit and / or Fire.

LOCATION OF ITEMS: \_\_\_\_\_

REMARKS: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

**SIGNATURE OF PERSON CERTIFYING OCCURRENCE AS DESCRIBED**

SIGNATURE: _____	PRINTED NAME: _____	TITLE: _____	DATE: _____
------------------	---------------------	--------------	-------------

**UNIT SUPERVISOR'S APPROVAL**

COMMENTS: \_\_\_\_\_

SIGNATURE OF UNIT ADMINISTRATOR: _____	TITLE: _____	DATE: _____
--	--------------	-------------

**Canyon**  
**CA-ORC-105068**  
**Suppression Repair Plan for SRA lands**  
September 29, 2017

**General**

- Repair any water lines and culverts that may have been damaged due to suppression activities where feasible.
- Remove berms and barriers created by fire control access and suppression efforts.
- Pack all trash out.
- Report any damages or needs to the Fire Suppression Repair Division Group Supervisor. Comp Claims will be notified if the damage cannot be fixed immediately.

**Staging Areas / Safety Zones**

- New Construction: pull berms, resurface, cross drain, remove debris resulting from use and scatter on site, and abandon (if applicable).
- Existing: Repair to original condition; cross drain, remove debris resulting from use and scatter on site (if applicable).

**Roads**

- Grade to original road prism where necessary.
- Clean culverts plugged with soil and debris resulting from fire control activities.
- Breach/remove berms to facilitate drainage.

**Firelines**

Dozers

- Where excessive berms were formed, back blade berms onto control line surface.
- Back blade or pull organic debris onto surface and scatter evenly over control line at designated sensitive areas.
- Construct waterbars.

Handlines

- Where excessive berms are formed, pull berms onto control line surface.
- Pull organic debris onto and scatter evenly over control line surface at designated sensitive areas.
- Construct waterbars to the same standard as dozer lines (see above)

Install waterbars on all constructed or used dozer lines, roads, and handlines using the following criteria:

Slope%	0-10	11-25	26-50	>50	
Dozer line and handlines (at every listed distance)	100'	75'	50'	50'	*All waterbars should be installed diagonally with a minimum cut of 6" into existing grade,
Road	200'	150'	100'	75'	

and minimum height of 18" from the bottom of the trench to backfill top. Waterbars shall be installed at all approaches to watercourse crossings. Waterbars shall be constructed to allow for drainage at the discharge end into non-erodible material and into the green where feasible. All waterbars to be constructed at 30 degrees, angled downhill.

### Watercourses

- All watercourse issues shall be reported to the Suppression Repair Group Supervisor immediately, before any work may begin.
- All slash, soil, and debris deposited into watercourses resulting from fire suppression activities shall be removed and stabilized.
- All loose soil must be pulled away from the watercourse and stabilized.

### Slash piles

- Piles within 150' of permanent structures or public roads will be lopped and/or scattered within 18" of soil surface, or chipped if feasible.
- Piles outside the 150' fire safe zone shall be retained for wildlife cover.

### Archaeological or Historic Sites (if discovered)

- All potential sites shall be avoided.
- Impacted sites will be reported to the Fire Suppression Repair Group Supervisor.
- If sites are encroached upon, work will stop immediately; **if there is no threat of fire spread**, and the Division/Group Supervisor shall be notified.

### Specific Repair Plan for SRA and State DPA Areas (Assessment is ongoing)

- **Division B** - Handlines: remove berms and construct waterbars where needed. Dozer line: remove berms and construct waterbars.
- **Division F** - Handlines: remove berms and construct waterbars where needed. Dozers lines: remove berms and construct waterbars. Water and grade Skyline Dr, Blackstar Canyon Rd..
- **Division M** - Handlines: remove berms and construct waterbars where needed. Dozers lines: remove berms and construct waterbars. Water and grade Main Divide Truck Trail.
- **Division T** - Handlines: remove berms and construct waterbars where needed. Water and grade Coal Canyon Truck Trail.
- **Division X** - Handlines: remove berms and recontour where needed. Dozer lines: remove berms and recontour where needed.

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ATTACHMENT 1.

**Fire Suppression Rehabilitation Guideline**

Mitigation of suppression damages will minimize the long-term impacts caused by personnel and equipment. The following actions will be implemented to minimize long-term impacts from suppression activities.

**ROADS**

1. Existing dirt surfaced roads used for access will be returned as close to pre-incident condition as possible. This will be accomplished by pulling any significant amounts of side cast material back onto the road, watering and compacting the road surface.
2. Existing roads that are closed, but reopened for current incident use will be returned as close to pre-incident condition as possible. This may include repairing and/or replacing the original erosion control structures, cleaning and improving ditches and blocking the entrance to the roads.
3. Additional mitigations of suppression impacts to National Forest roads will be determined and directed by the Forest Engineer or designee.

**DOZER LINES**

All mechanical lines require archaeological and biological surveys prior to rehabilitation. Dozer lines will be treated by pulling outside berms back into the control line, re-contouring or out-sloping the surface to allow for drainage, and where necessary, placing waterbars in the control line. Installed waterbars will consist of a minimum of a six inch (6") cut into the firm bed of the control line and have a berm with a compacted height of no less than twelve inches (12"). The waterbars will be constructed diagonally across the control line at an angle of thirty-five to forty degrees. Where extreme slopes prevent the use of heavy equipment from placing waterbars in control lines, hand crews will be used to perform the necessary erosion control work. When dozer lines follow a ridge where there is no vegetation on either side, or where there is unburned vegetation on both sides (indirect line), re-contouring and waterbars should be designed to divert water equally to both sides of the ridge (herring-bone).

**HAND LINES**

All hand lines require archaeological and biological surveys prior to rehabilitation. Hand lines will be rehabilitated to allow for drainage by re-contouring and construction of waterbars. Waterbars for hand lines should be cut to a depth equal to the width of a standard fire shovel. The waterbars will be constructed diagonally across the control line at an angle of thirty-five to forty degrees. The outside end of the waterbar must be open and should discharge into an area where the ground surface is protected by vegetation that is unburned, if possible. Trenching and berms, where present, will be removed and any topsoil available will be pulled back cross the hand line. When hand lines follow a ridge where there is no vegetation either side, or where





there is unburned vegetation on both sides (indirect line), re-contouring and waterbars should be designed to divert water equally to both sides of the ridge. In some cases, chunking or berming may be used in combination with the above techniques to prevent access for unauthorized OHV use.

**WATERBARS**

Waterbars should be constructed at logical discharge points and guided by the spacing criteria as follows:

Fireline slope %	Maximum Distance Apart (feet)	
1-14.....	150	<i>Recommended spacing for waterbars on firelines. Waterbars should be no further apart than this, but they may be closer. When in doubt, put in more. Adapted from: UDSA-Forest Service, "Sale Administrator's Handbook"</i>
15-20.....	90	
21-40.....	50	
41+.....	25	

**REMOVED VEGETATION TREATMENTS**

**After the fire is under control and with the approval of the Incident Commander, vegetation removed to construct control lines will be scattered back onto the control lines. Approval for this could be a week or more after control of the fire depending on when the threat of restart has passed.**

**WATERCOURSE**

A watercourse is defined as a channel containing water or exhibiting a scoured bottom which indicates sediment transport or contains vegetation that grows in streams (i.e. willows, alders, ferns, etc.). Mitigation of suppression impacts will be determined and directed by the Resource Advisor and/or designees. Suppression activity causing ground disturbance of more than 800 square feet within 50' of streams will have appropriate erosion control treatment.

**INSTREAM IMPROVEMENTS (WATER SOURCES)**

All in-stream facilities and disturbance created by activities to improve water collection for fire suppression will be evaluated and mitigated under the direction of the Resource Advisor and/or designees. These facilities and disturbances include but are not limited to sumps, drafting locations, and intentionally blocked culverts. All building and other materials such as plastics, canvas, plywood, dimension lumber, etc., will be removed from such sites to a suitable disposal site or be recycled. All trash, cardboard, hoses, fittings, and pumps will be removed from the site.

## **HELISPOTS, HELIPOINTS, SAFETY ZONES, DROP POINTS, AND OTHER CLEARINGS**

All helispots, heliports, safety zones, drop points, and other clearings require archaeological and biological surveys prior to rehabilitation. All clearings constructed to support suppression activities will be returned as closely to pre-incident conditions as is possible. At a minimum, berms will be pulled or raked back into the site, if needed the site will be crowned to facilitate surface drainage and the vegetative material removed from the site will be lopped and scattered over the disturbed area to reduce erosion/unauthorized OHV potential. In some cases, chunking, berming or other barriers may be used in combination with the above techniques to prevent access for unauthorized OHV use. All areas cleared by heavy equipment must be surveyed for archaeological/biological resources prior to rehabilitation.

## **IMPROVEMENTS**

Improvements such as fences, gates, guzzlers, flood control basins, drainage structures, drainage channel, culverts, and paved roads damaged by suppression activities will be repaired to pre-fire conditions. When dealing with damages to private property, repairs/mitigations to improvements that are beyond the capacity of suppression resources, notify the Resource Advisor and/or designee and also the compensation claims unit.

## **ARCHAEOLOGICAL SITES**

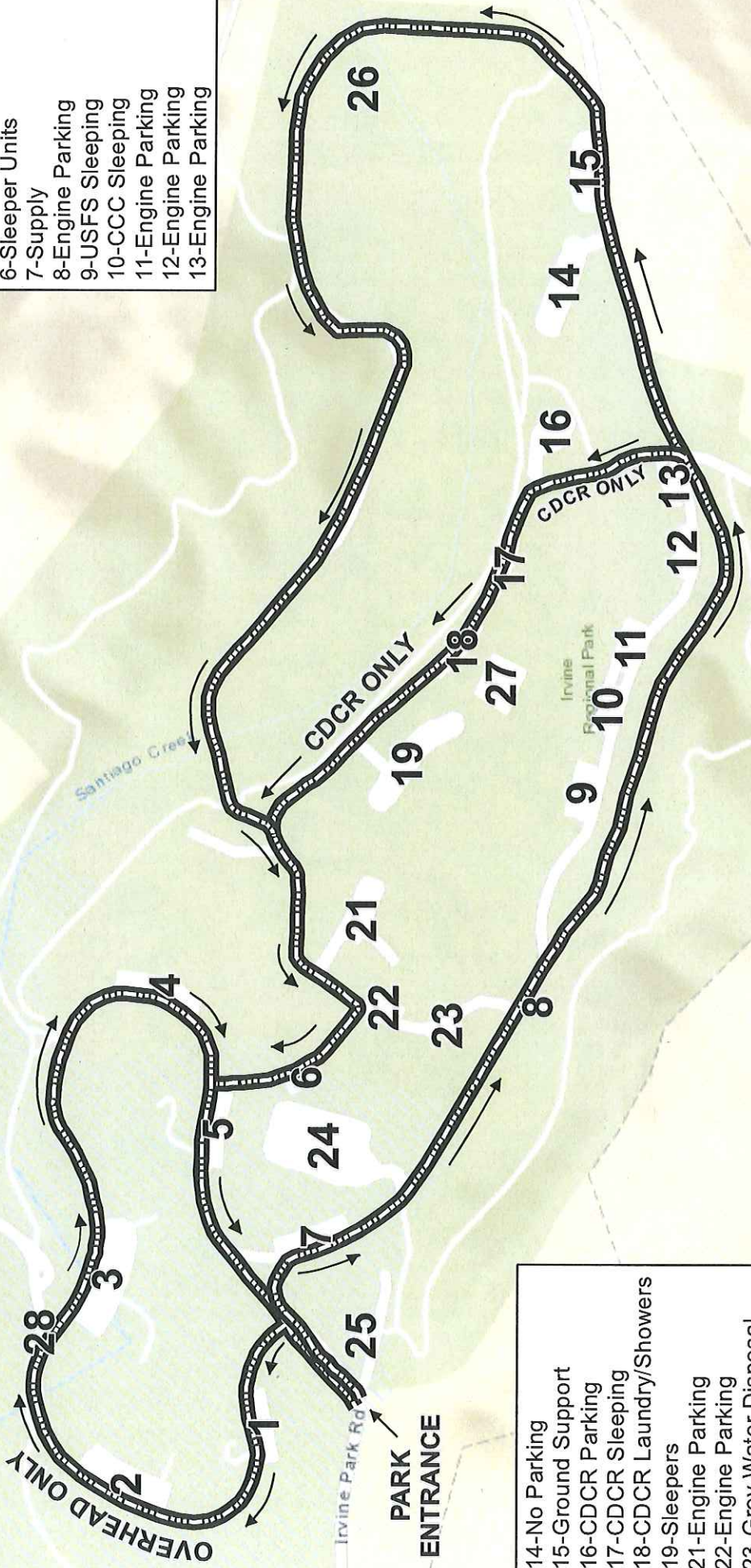
Any impacts to archaeological sites will be evaluated and mitigated on a case-by-case basis prior to rehabilitation activities. Additional measures may be required.

## **ADDITIONAL REHABILITATION NEEDS**

In situations where the above guidelines will not effectively prohibit unauthorized OHV use of new control lines or other cleared areas, additional measures such as fencing or other barriers may be necessary as determined by the Resource Advisor. Once site-specific assessments are completed and appropriate supplies and materials ordered, these measures will be implemented. This may require additional time.

**Reference: Hauge, C.J., M.J. Furniss and F.D. Euphrat. 1979. *Soil erosion in California's Coast Forest District*. California Geology. June, 1979.**

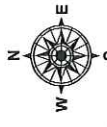
- 1-Overhead Parking
- 2-ICP
- 3-Kitchen/Lunches/Water/Ice
- 4-DO NOT USE
- 5-Showers/Laundry
- 6-Sleeper Units
- 7-Supply
- 8-Engine Parking
- 9-USFS Sleeping
- 10-CCC Sleeping
- 11-Engine Parking
- 12-Engine Parking
- 13-Engine Parking



- 14-No Parking
- 15-Ground Support
- 16-CDCR Parking
- 17-CDCR Sleeping
- 18-CDCR Laundry/Showers
- 19-Sleepers
- 21-Engine Parking
- 22-Engine Parking
- 23-Grey Water Disposal
- 24-Engine Parking
- 25-Saw Shop
- 26-Fuel/Dozer Parking
- 27-MERT
- 28-Medical



**FACILITIES MAP**  
 Canyon Incident  
 CA-ORC-105068  
 September 29, 2017





## UNIT LOG (ICS 214)

<b>1. Incident Name:</b> <p style="text-align: center; margin-top: 5px;">CANYON</p>	<b>2. Operational Period:</b> Date From: <u>9/29/17</u> Date To: <u>9/30/17</u> Time From: <u>0700</u> Time To: <u>0700</u>
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<b>3. Unit Name/Designators</b>	<b>4. Unit Leader (Name and ICS Position)</b>
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5. Personnel Assigned/Designators		
NAME	ICS POSITION	HOME BASE

6. Activity Log (Continue on Reverse)	
TIME	MAJOR EVENTS

<b>7. Prepared By:</b>	<b>Date/Time:</b>
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