

# **BUTTE FIRE**



## **INCIDENT ACTION PLAN**

**SEPTEMBER 28, 2015 0700**

**TO**

**OCTOBER 3, 2015 0700**

***CA-AEU-024918***

<http://calfire.box.com/calfireimt1>

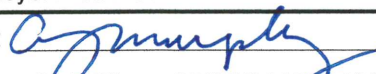


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## INCIDENT OBJECTIVES (ICS 202)

<b>1. Incident Name:</b> BUTTE INCIDENT CA-AEU-024918	<b>2. Operational Period:</b> Date From: 09/28/2015    Date To: 10/03/2015 Time From: 0700 hours    Time To: 0700 hours																																								
<b>3. Objective(s):</b> <u>Management Objectives</u> <ul style="list-style-type: none"> <li>Provide for public and emergency personnel safety at all times</li> <li>Provide for timely and accurate release of incident information.</li> <li>Protect natural and cultural resources in the fire area.</li> <li>Keep costs commensurate with values at risk.</li> <li>Address community concerns as they arise and provide assistance information.</li> </ul> <u>Control Objectives</u> <ul style="list-style-type: none"> <li>Keep the fire within the current fire perimeter.</li> </ul>																																									
<b>4. General Weather Conditions:</b>  SEE ATTACHED WEATHER FORECAST.																																									
<b>General Situational Awareness and Safety:</b>  SEE ATTACHED SAFETY MESSAGE.																																									
<b>5. Site Safety Plan Required?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Approved Site Safety Plan(s) Located at:</b>																																									
<b>6. Incident Action Plan</b> (the items checked below are included in this Incident Action Plan): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td><input checked="" type="checkbox"/></td> <td>ICS 203</td> <td><input checked="" type="checkbox"/></td> <td>ICS 214</td> <td><input checked="" type="checkbox"/></td> <td>Finance Section Message</td> <td><input type="checkbox"/></td> <td>Fire Operation Check List</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>ICS 204(s)</td> <td><input type="checkbox"/></td> <td>ICS 220</td> <td><input checked="" type="checkbox"/></td> <td>FC-33 Input Form</td> <td><input checked="" type="checkbox"/></td> <td>Water Usage Report</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>ICS 205</td> <td><input checked="" type="checkbox"/></td> <td>Weather Forecast</td> <td><input type="checkbox"/></td> <td>Training Message</td> <td><input type="checkbox"/></td> <td>Facility/Base Map</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>ICS 206</td> <td><input checked="" type="checkbox"/></td> <td>Fire Behavior Forecast</td> <td><input checked="" type="checkbox"/></td> <td>Documentation Message</td> <td><input checked="" type="checkbox"/></td> <td>Travel Map</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>ICS 208</td> <td><input checked="" type="checkbox"/></td> <td>Supp. Repair Message</td> <td><input checked="" type="checkbox"/></td> <td>Demobilization Procedure</td> <td><input checked="" type="checkbox"/></td> <td>Incident Map</td> </tr> </table>		<input checked="" type="checkbox"/>	ICS 203	<input checked="" type="checkbox"/>	ICS 214	<input checked="" type="checkbox"/>	Finance Section Message	<input type="checkbox"/>	Fire Operation Check List	<input checked="" type="checkbox"/>	ICS 204(s)	<input type="checkbox"/>	ICS 220	<input checked="" type="checkbox"/>	FC-33 Input Form	<input checked="" type="checkbox"/>	Water Usage Report	<input checked="" type="checkbox"/>	ICS 205	<input checked="" type="checkbox"/>	Weather Forecast	<input type="checkbox"/>	Training Message	<input type="checkbox"/>	Facility/Base Map	<input checked="" type="checkbox"/>	ICS 206	<input checked="" type="checkbox"/>	Fire Behavior Forecast	<input checked="" type="checkbox"/>	Documentation Message	<input checked="" type="checkbox"/>	Travel Map	<input checked="" type="checkbox"/>	ICS 208	<input checked="" type="checkbox"/>	Supp. Repair Message	<input checked="" type="checkbox"/>	Demobilization Procedure	<input checked="" type="checkbox"/>	Incident Map
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<b>7. Prepared by:</b> Name: <u>Andrew Murphy</u> Position/Title: <u>PSC1</u> Signature:																																									
<b>8. Approved by Incident Commander:</b> Name: <u>Mike Olivarria</u> Signature: _____																																									
ICS 202	Date/Time: 09/27/2015 1500 hrs																																								

**ORGANIZATION ASSIGNMENT LIST (ICS 203)**

<b>1. Incident Name: BUTTE CA-AEU-024918</b>		<b>2. Operational Period:</b> Date From: 09/28/2015 Time From: 0700		Date To: 10/03/2015 Time To: 0700	
<b>3. Incident Commander(s) and Command Staff:</b>			<b>7. Operations Section:</b>		
IC/UC's	Mike Olivarria / Jerry Martinez (T)		Chief	Mike Blankenheim	
Deputy			Deputy		
Safety Officer	Randy Titus / Dan Quiggle (T)		Staging Area		
Public Info. Officer	Mike Mohler / Mike Yeun (T)		<b>All Operational Branches</b>		
Liaison Officer	Jim Carroll		Branch Director		
Law Liaison			Division/Group	<b>A/B/C/D/ M/N/P/T/W</b>	Stevie Long
<b>4. Agency/Organization Representatives:</b>			Division/Group	<b>E/F/G</b>	BJ Imlach / John Robbins
Line Officers	Roy Evans / Christopher Post		Division/Group	<b>I/J/R</b>	Ethan Darnell
CDCR	Brent Loop		Division/Group	<b>K/O/Q</b>	Tim Main
BLM	Jerry Martinez		Division/Group		
PG&E	Jeff Millar		Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
<b>5. Planning Section:</b>			Division/Group		
Chief	Andrew Murphy		Division/Group		
Deputy			<b>Suppression Repair Branch</b>		
Resources Unit			Branch Director	Gary Whitson	
Situation Unit			Division/Group	<b>Suppression Repair</b>	Steve Debenedet Roger Petersen
Equipment Tech Spec.			Division/Group		
Documentation Unit			Division/Group		
Demobilization Unit	Tom Shevenell		Division/Group		
GISS	Laura Blake		Division/Group		
Incident Meteorologist			Division/Group		
Training Tech. Spec.			Division/Group		
<b>6. Logistics Section:</b>			Division/Group		
Chief	Dusty Martin / Tom Hutchinson		Division/Group		
Deputy			Division/Group		
<b>Support Branch</b>			Division/Group		
Supply Unit	Lon Story / Jarad Tompkins (T)		Division/Group		
Facilities Unit	Matt Reich		Division/Group		
Ground Support Unit			<b>8. Finance/Administration Section:</b>		
Ordering Manager			Chief	Rich Browne / Jack Franklin (T)	
Crew Tech. Spec.			Deputy	Abigail O'Leary	
<b>Service Branch</b>			Time Unit	Allison McAdams	
Motel Tech Spec	Cassie Miller		Procurement Unit	Bob Counts	
Comm. Unit			Comp/Claims Unit	Skip Sanner/Janet Lewis	
Medical Unit			Cost Unit	Patti Royer / Suzi Cain	
<b>9. Prepared by:</b> Name: Andrew Murphy    Position/Title: PSC1 (T)    Signature: 					
<b>Page: 1 of 1</b>			Date/Time: 09/27/2015, 2100 hrs		

**Spot Forecast for Butte Incident Fire**

National Weather Service Sacramento

1252 PM PDT Sun Sep 27 2015

IF CONDITIONS BECOME UNREPRESENTATIVE,  
CONTACT THE NATIONAL WEATHER SERVICE.

SPOT FORECAST FOR BUTTE INCIDENT...CALFIRE IMT 1  
NATIONAL WEATHER SERVICE SACRAMENTO CA  
1252 PM PDT SUN SEP 27 2015

FORECAST IS BASED ON REQUEST TIME OF 0855 PDT ON SEPTEMBER 27.  
IF CONDITIONS BECOME UNREPRESENTATIVE...CONTACT THE NATIONAL WEATHER  
SERVICE.

.DISCUSSION... HIGH PRESSURE OVER THE REGION WILL GRADUALLY GIVE WAY  
AS LOW PRESSURE APPROACHES AND THEN SHIFTS INLAND BY THE MIDDLE OF  
NEXT WEEK. HUMIDITY RECOVERY SHOULD IMPROVE SLIGHTLY OVERNIGHT  
TONIGHT WITH MORE SIGNIFICANT COOLING AND INCREASING HUMIDITY LEVELS  
EXPECTED MONDAY THROUGH EARLY THURSDAY AS THE LOW PRESSURE SYSTEM  
APPROACHES THE COAST AND MOVES INLAND. DRY WEATHER IS EXPECTED TO  
CONTINUE OVER THE BURN AREA. LOWER HUMIDIDTY AND WARMER CONDITIONS  
EXPECTED TO RETURN LATE NEXT WEEK.

.MONDAY...

SKY/WEATHER.....MOSTLY SUNNY.  
MAX TEMPERATURE.....84-88.  
MIN HUMIDITY.....18-23 PERCENT.  
WIND (20 FT).....  
SLOPE/VALLEY.....NORTHEAST WINDS 3 TO 6 MPH BECOMING SOUTHWEST 4  
TO 8 MPH IN THE AFTERNOON.  
RIDGETOP.....SOUTHWEST 5 TO 11 MPH GUSTING TO 15 MPH.  
CWR.....0 PERCENT.  
LAL.....1.  
MIXING HEIGHT.....300 FT AGL INCREASING TO 5000 FT AGL.  
TRANSPORT WINDS.....SOUTH 8 TO 14 MPH.

.MONDAY NIGHT...

SKY/WEATHER.....MOSTLY CLEAR.  
MIN TEMPERATURE.....54-61.  
MAX HUMIDITY.....55-66 PERCENT.  
WIND (20 FT).....  
SLOPE/VALLEY.....SOUTHWEST WINDS 3 TO 6 MPH IN THE EVENING  
BECOMING  
DOWNSLOPE 2 TO 5 MPH.  
RIDGETOP.....SOUTH WINDS 5 TO 10 MPH BECOMING EAST 4 TO 8 MPH  
AFTER MIDNIGHT.  
CWR.....0 PERCENT.  
LAL.....1.  
MIXING HEIGHT.....5000 FT AGL DECREASING TO 300 FT AGL EARLY  
IN THE EVENING.  
TRANSPORT WINDS.....WEST 5 TO 10 MPH.

.TUESDAY...

SKY/WEATHER.....MOSTLY SUNNY.  
MAX TEMPERATURE.....78-83.

MIN HUMIDITY.....19-24 PERCENT.  
WIND (20 FT).....  
SLOPE/VALLEY.....NORTHEAST WINDS 2 TO 5 MPH SHIFTING TO THE  
SOUTHWEST 5 TO 9 MPH IN THE AFTERNOON.  
RIDGETOP.....SOUTHWEST 5 TO 10 MPH GUSTING TO 15 MPH.  
CWR.....0 PERCENT.  
LAL.....1.  
MIXING HEIGHT.....300-2000 FT AGL INCREASING TO 4200-4600 FT AGL  
EARLY IN THE AFTERNOON.  
TRANSPORT WINDS.....SOUTHWEST 5 TO 10 MPH

.FORECAST DAYS 3 THROUGH 5...  
.WEDNESDAY...  
MOSTLY CLEAR. LOWS 53 TO 58. HIGHS 74 TO 79. SOUTHWEST WINDS UP  
TO 5 MPH.  
.THURSDAY THROUGH FRIDAY...  
CLEAR. LOWS 52 TO 60. HIGHS 81 TO 89. NORTH WINDS UP TO 6 MPH.



## Butte Fire Weather Forecast



**EXTENDED FORECAST**  
**PREDICTION FOR: 9/26/15-10/2/15**  
**FORECAST ISSUED: September 23, 2015**

**NAME OF INCIDENT: Butte Fire**  
**UNIT: Cal Fire Amador-El Dorado Unit**  
**SIGNED:**  
**Terry Lebo, Incident Meteorologist**

For latest forecast refer to spot forecast issued by the National Weather Service Office in Sacramento  
 Spot forecast can be requested here: <http://spot.nws.noaa.gov/cgi-bin/spot/spotform?site=sto>  
 To speak with a fire weather forecaster at the Sacramento NWS Office call: (916) 979-3047

### **FORECAST FOR SATURDAY AND SATURDAY NIGHT:**

**Weather:** Morning high clouds, thinning after noon. Clear overnight. 0% chance of rain  
**Max Temperature:** Valley Bottom 87-92 Ridgetop 85-90  
**Min Temperature:** Valley Bottom 62-67 Ridgetop 66-71  
**Minimum Humidity:** Valley Bottom 15-20% Ridgetop 10-15%  
**Daytime 20 ft Winds:**  
**Slopes/Valleys:** East 3 to 6 mph becoming upslope 4 to 7 mph in the afternoon.  
**Ridges:** Northeast 4 to 8 mph becoming southwest around midday.  
**Transport Winds:** Southwest 20 mph.  
**LAL** 1

### **FORECAST FOR SUNDAY AND SUNDAY NIGHT:**

**Weather:** Sunny with afternoon high clouds lingering overnight. 0% chance of rain  
**Max Temperature:** Valley Bottom 85-90 Ridgetop 82-87  
**Min Temperature:** Valley Bottom 60-65 Ridgetop 63-68  
**Minimum Humidity:** Valley Bottom 19-24% Ridgetop 16-21%  
**Daytime 20 ft Winds:**  
**Slopes/Valleys:** East 3 to 6 mph becoming upslope 4 to 7 mph in the afternoon.  
**Ridges:** Northeast 4 to 7 mph becoming southwest 5 to 9 mph with gusts to 15 mph.  
**Transport Winds:** Southwest 20 mph.  
**LAL** 1

### **FORECAST FOR MONDAY AND MONDAY NIGHT:**

**Weather:** Morning clouds becoming clear by midday. 0% chance of rain  
**Max Temperature:** Valley Bottom 79-84 Ridgetop 75-80  
**Min Temperature:** Valley Bottom 52-57 Ridgetop 57-61  
**Minimum Humidity:** Valley Bottom 18-23% Ridgetop 15-20%  
**Daytime 20 ft Winds:**  
**Slopes/Valleys:** East 3 to 6 mph becoming upslope 4 to 8 mph around midday.  
**Ridges:** Southwest 6 to 12 mph with gusts to 16 mph.  
**Transport Winds:** Southwest 25 mph.  
**LAL** 1

<b><i>Extended Outlook</i></b>	<b><i>Tuesday</i></b>	<b><i>Wednesday</i></b>	<b><i>Thursday</i></b>	<b><i>Friday</i></b>
High (F)	72-80	73-81	76-84	78-86
Low (F)	48-56	50-58	52-60	53-61
Min RH (%)	20	23	17	14
Wind (mph)	SW 5-10G15	SW 4-8G13	SW 4-8	SW-W 3-7
Weather	Sunny	Partly sunny	Mostly sunny	Mostly sunny

# FIRE BEHAVIOR FORECAST

<b>FORECAST NUMBER:</b> 16	<b>TYPE OF FIRE:</b> Wildfire
<b>FIRE NAME:</b> Butte	<b>OPERATIONAL PERIOD:</b> 9/26-10/2/15 0700-0700
<b>DATE ISSUED:</b> 9/24/15	<b>TIME ISSUED:</b> 1900
<b>UNIT:</b> AEU – Amador El Dorado Unit	<b>SIGNED:</b> _____ <b>Typed/printed:</b> Don Watt FBAN

## INPUTS

### WEATHER SUMMARY:

See spot weather forecast for weather information.

## OUTPUTS

### FIRE BEHAVIOR

#### GENERAL:

The recovery overnight for the fuels has been limited for a week and will continue in this pattern. The fine dead fuels are highly receptive and will ignite when embers land, even in the overnight hours. The fire has been inactive for several days and is limited to smoldering material. This can change over time as the root system of the trees continues to burn underground. There is the possibility for these smoldering items to surface and find unburned vegetation. This situation would most likely be near the edges of the islands. The vegetation in the islands will continue to lose leaves and needles creating a new ground layer of unburned fuels. Fire in the islands will consist mainly of surface fire unless there is sufficient ground fuel to sustain enough heat to ignite the overstory. Spotting and increased rate of spread will only be seen in established fires with a developed column. A new start will have a slow spread unless there is slope and wind alignment which will increase the spread and spotting distance.

CSR 7 Day Outlook



CNR 7 Day Outlook



#### SPECIFIC:

Division E will continue to have smoldering material with some actively burning heavy fuels. The access into this area will make extinguishment difficult. Watch for rolling material as the heavy fuels continue to burn and become unstable. Fire and drought stressed trees will continue to fall in all areas of the fire, especially during high gusts of wind. Continue to recheck areas worked the previous day as the root systems will continue to burn unseen for many days. If you observe any embers from active fire traveling towards unburned fuels watch where they land as they most likely will start a new fire.

## AIR OPERATIONS


There should be no issues for aircraft under the current weather and fire conditions.

## SAFETY


Watch for stump holes and ash pits. Root systems have had several days to burn leaving a potential for the ground to break loose around the edges. Continually look up and watch for widow makers and hazard trees.





## SAFETY MESSAGE/PLAN (ICS 208)

<b>1. Incident Name:</b> <b>BUTTE INCIDENT CA-AEU-024918</b>	<b>2. Operational Period:</b> Date From: 09/28/2015 Time From: 0700	Date To: 10/03/2015 Time To: 0700
<b>3. Safety Message/Expanded Safety Message, Safety Plan, Site Safety Plan:</b> <b><u>MAJOR HAZARDS/RISKS</u></b>  <i>PERSONAL PROTECTIVE EQUIPMENT:</i> While engaged in firefighting activities, including mop up, <b>Full PPE and Webb Gear</b> shall be worn.  <i>ASH PITS and STUMP HOLES:</i> Beware of hazards throughout the fire area. Maintain solid footing and plan your work. Maintain situational awareness.  <i>HAZARD TREES &amp; SNAGS:</i> Use caution when working around fire weakened & drought stressed trees. Share information. Identify & flag hazards with LIFE SAFETY FLAGGING.  <i>COMMUNICATIONS:</i> Radio communications may be difficult in remote areas. Identify difficult areas and use human repeaters. Be aware of proper channel and tone for your area.  <i>STEEP TERRAIN and LOOSE FOOTING:</i> Plan your work and maintain LCES at all times. Have a plan for the removal of injured or ill personnel from steep and limited access areas. Communicate your plan. Wear proper PPE.  <i>DEHYDRATION/ILLNESS:</i> Drink water and sports drinks. Ensure personnel carry enough water for work shift. Monitor and support personnel needs. Multiple hot work days in a row increase your risk. Recognize illness early and take action.  <i>DRIVING HAZARDS:</i> Use defensive driving. <b>SLOW DOWN</b> in the field and in base camp. Beware of other driver's actions. Avoid roadway and driving complacency.  <i>MASTICATORS, CHIPPERS, and other HEAVY EQUIPMENT:</i> Maintain safe distances when working near heavy equipment. Beware of flying debris. Maintain communications with operators and personnel.  <i>TREE FELLING, UTILITY POLES, UTILITY LINES:</i> <b>Assume all utility lines are live.</b> Communicate with adjacent fire and utility personnel that are felling trees or utility poles. Maintain safe distances from falling hazards.  <i>MINE SHAFTS and other MINING HAZARDS:</i> All hazardous areas may not be identified or marked. Flag mine shafts and other hazards when found. Beware of shafts hidden in brush and debris.  <i>FATIGUE:</i> Ensure adequate work to rest ratio. Consider long travel times to rest accommodations. Supervisors should adjust work times accordingly.		
<b>4. Site Safety Plan Required?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <b>Approved Site Safety Plan(s) Located At:</b> NA		
<b>5. Prepared by:</b> Name: Randy Titus      Position/Title: SOF2 (t)      Signature: 		
<b>ICS 208</b>	<b>IAP Page</b> _____	Date/Time: 09/27/2015, 1400 hrs

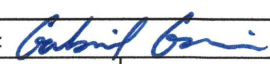



1. Incident Name: <b>Butte CA-AEU-024918</b>		2. Operational Period		3. <b>Branch:</b>  <b>Division:</b> A/B/C/D/M/N/P/ T/W  (DIV A-W)
		Date From: 9/28/2015 Time From: 0700	Date From: 10/3/2015 Time To: 0700	
4. Operations Personnel		Contact Number		
<b>Operations Section Chief:</b>	Mike Blankenheim			
<b>Branch Director:</b>				
<b>Division/Group Supervisor:</b>	Stevie Long			
5. Resource Assigned				Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)	
STC AEU 9271C	Stevie Long	19		DP 1
CREW AEU Pine Grove 4	Dirk Whidman	15		DP 1
FALM NORTH ZONE	Bill Meadow	2		DP 1
6. Work Assignments				
Back haul hose, equipment, and trash.				
Validate and improve constructed lines. Check and secure islands.				
Continue tactical patrol. Mop up all visible smokes seen from roadways and structures.				
7. Special Instructions				
<b>Stay visible, engage with the public, and address their fire related concerns.</b>				
<b>Utilize SOFR Titus throughout the incident.</b>				
<b>Utilize SOFR (T) Quiggle throughout the incident.</b>				
8. Communications		Primary Contact: Cell Phone, Pager, or Radio (Frequency / System / Channel)		
Function/Name				
<b>Command / CDF CMD 5</b>	Radio (151.3175 RX / 159.3525 TX / TN 103.5)			
<b>Tactical / NIFC TAC 1</b>	Radio (168.0500 RX / 168.0500 TX / TN )			
<b>EMS / CALCORD</b>	Radio (156.0750 N RX / 156.0750 N TX / TN 156.7)			
<b>Air to Ground / CDF TAC 13</b>	Radio (151.3775 RX / 151.3775 TX / TN 192.8)			
<b>Emergency / Air Guard</b>	Radio (168.6250 N RX / 168.6250 N TX / TN 110.9 ( 1 )			
9. Prepared By: Gabe Garcia	Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 	
ICS 204				Page # 1 of 1

1. Incident Name: <b>Butte CA-AEU-024918</b>		2. Operational Period Date From: 9/28/2015 Time From: 0700		Date From: 10/3/2015 Time To: 0700	3.  <b>Branch:</b>  <b>Division:</b> E/F/G  <b>Staging Area</b>	
4. Operations Personnel			Contact Number			
<b>Operations Section Chief:</b>	Mike Blankenheim					
<b>Branch Director:</b>						
<b>Division/Group Supervisor:</b>	BJ Imlach (EVEN) John Robbins (ODD)					
5. Resource Assigned					Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)			
STC TCU 9441C	BJ Imlach	20	*24HR EVEN DAYS			DP 6
STC TCU 9442C	John Robbins	18	*24HR ODD DAYS			DP 6
STG SHU 9240G	Kevin Mancebo	32				DP 6
WT E-35 AAA	George Manos	1				DP 6
WT E-170 CORPORATE	Charlie Parrant	1				DP 6
6. Work Assignments						
Back haul hose, equipment, and trash.						
Validate and improve constructed lines. Check and secure islands.						
Continue tactical patrol. Mop up all visible smokes seen from roadways and structures.						
7. Special Instructions						
<b>Stay visible, engage with the public, and address their fire related concerns.</b>						
<b>Utilize SOFR Titus throughout the incident.</b>						
<b>Utilize SOFR (T) Quiggle throughout the incident.</b>						
8. Communications		Primary Contact: Cell Phone, Pager, or Radio (Frequency / System / Channel)				
Function/Name						
<b>Command / CDF CMD 5</b>		Radio (151.3175 RX / 159.3525 TX / TN 103.5)				
<b>Tactical / NIFC TAC 6</b>		Radio (166.7750 RX / 166.7750 TX / TN )				
<b>EMS / CALCORD</b>		Radio (156.0750 N RX / 156.0750 N TX / TN 156.7)				
<b>Air to Ground / CDF TAC 13</b>		Radio (151.3775 RX / 151.3775 TX / TN 192.8)				
<b>Emergency / Air Guard</b>		Radio (168.6250 N RX / 168.6250 N TX / TN 110.9 ( 1 )				
9. Prepared By: Gabe Garcia		Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 		
ICS 204					Page # 1 of 1	


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4. Operations Personnel					Contact Number	
<b>Operations Section Chief:</b>	Mike Blankenheim					
<b>Branch Director:</b>						
<b>Division/Group Supervisor:</b>		Ethan Darnall				
5. Resource Assigned						
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)		Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
STC TGU 9251C	Ethan Darnall	18			DP 15	
STG NEU 9232G	John Russell	32			DP 15	
6. Work Assignments Back haul hose, equipment, and trash. Validate and improve constructed lines. Check and secure islands. Continue tactical patrol. Mop up all visible smokes seen from roadways and structures.						
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>						
8. Communications						
Function/Name	Primary Contact: Cell Phone, Pager, or Radio (Frequency / System / Channel)					
<b>Command / CDF CMD 5</b>	Radio (151.3175 RX / 159.3525 TX / TN 103.5)					
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9. Prepared By: Gabe Garcia	Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 			
ICS 204					Page # 1 of 1	





1. Incident Name: <b>Butte CA-AEU-024918</b>		2. Operational Period Date From: 9/28/2015 Time From: 0700		Date From: 10/3/2015 Time To: 0700	3.  <b>Branch:</b> SUPPRESSION REPAIR  <b>Group:</b>  <b>Staging Area</b>
4. Operations Personnel				Contact Number	
<b>Operations Section Chief:</b>	Mike Blankenheim				
<b>Branch Director:</b>	Gary Whitson				
<b>Division/Group Supervisor:</b>	Steve Debenedet / Roger Petersen				
5. Resource Assigned					Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)		
ENG AGL 212	Tom Starks	3			TBD
ENG WPT 313	Terry Miller	4			TBD
ENG ALT 225	Joseph Storey	3			TBD
CRW AEU Pine Grove 1	Anthony Tyler	15			TBD
CRW AEU Baseline 1	Brent Seidel	15			TBD
CRW AEU Baseline 4	Rudy Schanez	15			TBD
CRW TCU Vallecito 2	Mike Steineke	15			TBD
CRW TCU Vallecito 3	Justin Schmollinger	15			TBD
DOZ E-7 LAND	Gary Gladen	1			TBD
DOZ E-79 EMERSON	Robert Gibbs	1			TBD
DOZ E-81 LYNCH	Marty Lynch	1			TBD
DOZ E-88 AAA	Tim Hatler	1			TBD
DOZ E-90 PARSONS	Chris Bird	1			TBD
6. Work Assignments Construct erosion controls on control lines. Spread and masticate brush within 100 feet of residences and public roads. Repair fences damaged by fire suppression operations.					
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>					
8. Communications					
Function/Name	Primary Contact: Cell Phone, Pager, or Radio (Frequency / System / Channel)				
<b>Command / CDF CMD 5</b>	Radio (151.3175 RX / 159.3525 TX / TN 103.5)				
<b>Tactical / NIFC TAC 7</b>	Radio (168.2500 RX / 168.2500 TX / TN )				
<b>EMS / CALCORD</b>	Radio (156.0750 N RX / 156.0750 N TX / TN 156.7)				
<b>Air to Ground / CDF TAC 13</b>	Radio (151.3775 RX / 151.3775 TX / TN 192.8)				
<b>Emergency / Air Guard</b>	Radio (168.6250 N RX / 168.6250 N TX / TN 110.9 ( 1 )				
9. Prepared By: Gabe Garcia		Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 	
ICS 204					Page # 1 of 5

1. Incident Name: <b>Butte CA-AEU-024918</b>		2. Operational Period Date From: 9/28/2015 Time From: 0700		Date From: 10/3/2015 Time To: 0700		3. <b>Branch:</b> SUPPRESSION REPAIR  <b>Group:</b>  <b>Staging Area:</b>
4. Operations Personnel				Contact Number		
<b>Operations Section Chief:</b>	Mike Blankenheim					
<b>Branch Director:</b>	Gary Whitson					
<b>Division/Group Supervisor:</b>	Steve Debenedet / Roger Petersen					
5. Resource Assigned						
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information		
DOZ E-157 ALGERINE	Dave Spencer	1		TBD		
DOZ E-173 T&S	John Barry	1		TBD		
MAS E-531 COLD	Dave Theis	1		TBD		
MAS E-532 LESTER	Louis Lester	1		TBD		
MAS E-534 RMB	John Morris	1		TBD		
MAS E-535 BENS	John Bradley	1		TBD		
MAS E-536 GRAHAM	Clayton Graham	1		TBD		
EXC E-530 G&O	Scott Weaver	1		TBD		
EXC E-533 JACKSON	William Jackson	1		TBD		
EXC E-700 HERTZIG	John Hertzig	1		TBD		
EXC E-806 BORDGES	Tim Bordges	1		TBD		
EXC E-812 EMERSON	Steve Bates	1		TBD		
6. Work Assignments Construct erosion controls on control lines. Spread and masticate brush within 100 feet of residences and public roads. Repair fences damaged by fire suppression operations.						
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>						
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9. Prepared By: Gabe Garcia						
Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 				
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4. Operations Personnel					Contact Number	
<b>Operations Section Chief:</b>	Mike Blankenheim					
<b>Branch Director:</b>	Gary Whitson					
<b>Division/Group Supervisor:</b>	Steve Debenedet / Roger Petersen					
5. Resource Assigned						
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)			Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
EXC E-813 ALGERINE	Bob Anderson	1				TBD
EXC E-814 JANC	John Janc	1				TBD
EXC E-815 NORTHSTATE	Gary Higby	1				TBD
EXC E-816 SUNRISE	Chad Glattfelder	1				TBD
EXC E-817 SUNRISE	Brandon Williams	1				TBD
EXC E-832 AAA	Tim Hatler	1				TBD
BKH E-807 Y T S	Richard Yost	1				TBD
LOW E-824 ONSITE	Cody Findle	1				TBD
CHIP E-842 DAVEY TREE	Gary Geler	1				TBD
SKD E-886 A&F	Gary Ainger	1				TBD
SKD E-887 RIDGE	Daryl Landingham	1				TBD
SKD E-888 LESLIE	Preston Leslie	1				TBD
HEQB	Justin Wass	1				TBD
6. Work Assignments Construct erosion controls on control lines. Spread and masticate brush within 100 feet of residences and public roads. Repair fences damaged by fire suppression operations.						
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>						
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9. Prepared By: Gabe Garcia						
Position/Title: RESL	Date/Time: 9/27/2015 2100	Signature: 				
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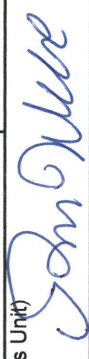
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4. Operations Personnel				Contact Number		
<b>Operations Section Chief:</b>		Mike Blankenheim				
<b>Branch Director:</b>		Gary Whitson				
<b>Division/Group Supervisor:</b>		Steve Debenedet / Roger Petersen				
5. Resource Assigned						Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)			
HEQB	Nathan Allen	1				
HEQB	Hans Niederberger	1				
HEQB	Lucas Titus	1				
HEQB	Tim Meyers	1				
HEQB	William Buis	1				
HEQB	Mattley Dell'Orto	1				
HEQB	Kevin Kiniery	1				
HEQB (T)	Mike Watner	1				
HEQB (T)	James Mellor	1				
HEQB (T)	Brian Bull	1				
HEQB (T)	David Newell	1				
HEQB (T)	Robert Little	1				
READ	Melinda Benton	1				
6. Work Assignments Construct erosion controls on control lines. Spread and masticate brush within 100 feet of residences and public roads. Repair fences damaged by fire suppression operations.						
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>						
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<b>Air to Ground / CDF TAC 13</b>	Radio (151.3775 RX / 151.3775 TX / TN 192.8)					
<b>Emergency / Air Guard</b>	Radio (168.6250 N RX / 168.6250 N TX / TN 110.9 ( 1 )					
9. Prepared By: Gabe Garcia						
Position/Title: RESL		Date/Time: 9/27/2015 2100		Signature: 		
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1. Incident Name: <b>Butte CA-AEU-024918</b>		2. Operational Period Date From: 9/28/2015 Time From: 0700		Date From: 10/3/2015 Time To: 0700		3. <b>Branch:</b> SUPPRESSION REPAIR  <b>Group:</b>  <b>Staging Area</b>	
4. Operations Personnel				Contact Number			
<b>Operations Section Chief:</b>		Mike Blankenheim					
<b>Branch Director:</b>		Gary Whitson					
<b>Division/Group Supervisor:</b>		Steve Debenedet / Roger Petersen					
5. Resource Assigned						Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
Resource Identifier	Leader	Number Of Personnel	Contact (e.g., phone, pager, radio, frequency, etc.)				
READ (T)	Kendal Young	1					TBD
RESP	Scott Bullock	1					TBD
6. Work Assignments Construct erosion controls on control lines. Spread and masticate brush within 100 feet of residences and public roads. Repair fences damaged by fire suppression operations.							
7. Special Instructions <b>Stay visible, engage with the public, and address their fire related concerns.</b> <b>Utilize SOFR Titus throughout the incident.</b> <b>Utilize SOFR (T) Quiggle throughout the incident.</b>							
8. Communications							
Function/Name	Primary Contact: Cell Phone, Pager, or Radio (Frequency / System / Channel)						
<b>Command / CDF CMD 5</b>	Radio (151.3175 N RX / 159.3525 N TX / TN 103.5)						
<b>Tactical / NIFC TAC 7</b>	Radio (168.2500 RX / 168.2500 TX / TN )						
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<b>Air to Ground / CDF TAC 13</b>	Radio (151.3775 RX / 151.3775 TX / TN 192.8)						
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9. Prepared By: Gabe Garcia							
Position/Title: RESL		Date/Time: 9/27/2015 2100		Signature: 			
ICS 204						Page # 5 of 5	

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name		Date/Time Prepared		Operational Period Date/Time					
Butte		Butte		9/27/2015 1800 hrs		9/28/2015 -10/3/2015 0700 to 0700					
Incident											
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 CMD 5	All Divisions	151.3175		103.5	159.3525		OST	A	T-5 Blue, T-3 Fowler
2	Command	TCU Local	Initial Attack	151.1750		136.5	159.4500		OST	A	Initial Attack TCU Unit
3	Command	Amador CMD	Initial Attack	153.9350		123.0	158.8800		OST	A	Initial Attack AEU Amador County
4	Tactical	NIFC TAC 1	DIV A-W	168.0500			168.0500			A	
5	Tactical	NIFC TAC 3	DIV K/O/Q	168.6000			168.6000			A	
6	Tactical	NIFC TAC 5	DIV I/J/R	166.7250			166.7250			A	
7	Tactical	NIFC TAC 6	DIV E/F/G	166.7750			166.7750			A	
8	Tactical	NIFC TAC 7	Sup. Repair	168.2500			168.2500			A	
9											
10	Tactical	VTAC 12	Camp LOGS	154.4525		156.7	154.4525		156.7	A	
11											
12											
13											
14	Air To Ground	CDF TAC 13	All Divisions	151.3775		192.8	151.3775		192.8	A	
15	IWI	CALCORD	All Divisions	156.0750 N		156.7	156.0750 N		156.7	A	IWI Use
16	Emergency	Air Guard	All Divisions	168.6250 N			168.6250 N		110.9 ( 1 )	A	EMERGENCIES ONLY
17											
18											
19											
20	Emergency	Air Guard	All Divisions	168.6250 N			168.6250 N		110.9 ( 1 )		EMERGENCIES ONLY

Prepared By (Communications Unit)

Tom Webb COML IMT #1



Incident Location

County Amador

State-CA

Latitude

N

Longitude

W

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

# MEDICAL PLAN (ICS 206)

<b>1. Incident Name:</b> BUTTE	<b>2. Operational Period:</b> Date From: 9/28/15 Time From: 07:00	Date To: 10/3/15 Time To: 07:00
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<b>3. Medical Aid Stations:</b>		<b>BUTTE COMMUNICATIONS:</b>	
Name	Location	Contact Number(s)/Frequency	Paramedics on Site?
NONE			

<b>4. Transportation (indicate air or ground):</b>			
Ambulance Service	Location	Contact Number(s)/Frequency	Level of Service
American Legion Ambulance	Various throughout Calaveras and Amador	Command / 925-588-6714	ALS
PHI Air Medical	Columbia Airport & Modesto Airports	(800) 576-7828	ALS
Cal Fire Copter 404	Columbia Airport	San Andreas ECC	Day Hoist/BLS

<b>5. Hospitals:</b>							
Hospital Name	Address, Latitude & Longitude if Helipad	Contact Number(s)/ Frequency	Travel Time		Trauma Center	Burn Center	Helipad
			Air	Ground			
Sutter Amador	200 Mission Blvd. Jackson, CA 95642 N 38 21.16 W 120 45.99	209-223-7555	2	15	NO	NO	YES
Mark Twain St. Joseph's	768 Mountain Ranch Rd. San Andreas, CA 95249 N 38 11.26 W 120 40.09	209-754-2510	6	25	NO	NO	YES
Kaiser South	6600 Bruceville Road Sacramento, CA 95823 N 38 28.11 W 121 25.14	916-688-2000	15	50	YES Level: 2	NO	YES
UC DAVIS	2315 STOCKTON BLVD SACRAMENTO N 38 33.30 W 121 27.30	(916) 734-3790	16	50	YES Level: 1	YES	YES

**6. Special Medical Emergency Procedures:**  
**LINE EMERGENCY:**  
 Crew Supervisor/Strike Team Leader to contact Communications unit with patient complaint/condition, location, and resource needs

- Communications Unit will contact
  1. Operations
  2. Incident Commander
  3. Safety
  4. Logistics
  5. PIO
- Communications will place order for requested resources
- Emergency or Priority traffic received: Communication Unit will clear the command channel for emergency traffic only, for the duration of the MAJOR IWI
- Communications Unit will make proper notifications
- Crew Supervisor/Strike Team Leader or designee will serve as point of contact (IWI SUPERVISOR) and run the emergency utilizing the COMMAND CHANNEL and CALCORD for the tac net during the IWI

**INJURY REPORTING PROCEDURES**  
**CHIEF COMPLAINT** \_\_\_\_\_  
**LOCATION OF PATIENT** \_\_\_\_\_  
**TRANSPORT REQUEST BY: AIR** \_\_\_ **GROUND** \_\_\_  
**DIVISION** \_\_\_\_\_ **CREW** \_\_\_\_\_  
**POINT OF PICKUP** \_\_\_\_\_  
**LAT** \_\_\_\_\_ **LONG** \_\_\_\_\_  
**IS EMT WITH THE PATIENT: YES** \_\_\_ **NO** \_\_\_  
**AGE** \_\_\_\_\_  
**SEX: MALE** \_\_\_ **FEMALE** \_\_\_

**\*\*Pre-determined rendezvous location for transfer from rescue helicopter to ground ambulance or air ambulance:**  
**Amador County Airpark (Westover Airfield)**  
**N38 22.554 W120 47.831**  
**12380 AIRPORT DRIVE, JACKSON**

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

Check box if aviation assets are utilized for rescue. If assets are used, coordinate with Air Operations.

<b>7. Prepared by (Medical Unit Leader):</b> Name: JESSE WINNEN	Signature:
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<b>8. Approved by (Safety Officer):</b> RANDY TITUS	Signature:
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ICS 206	IAP Page _____	Date/Time: 9/27/15 15:00
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# Butte Fire

CA-AEU-024918

## FINANCE MESSAGE

### TIME & COMP CLAIMS UNIT

- As of Monday afternoon the Equipment and Comp / Claims Units will be moving **Murphy Suites** Located at 134 Hwy. 4 Murphy, CA. A State Purchasing Specialist will be available. They will be available late Monday afternoon through late Wednesday afternoon and may extended if warranted.
- The rest of the Finance Section will be relocating to the **Ranch Cordova Training Center** located at 2941 Sunrise Blvd #280. Rancho Cordova

If have any questions feel free to contact any of the Finance Section Chiefs

Rich Browne (FSC1) 559-799-2470  
Abby O'Leary (FSC1) 619-838-9861  
Jack Franklin (FSCT) 760-221-6335

### INCIDENT BILLING INFORMATION

#### CAL FIRE - Amador El Dorado Unit

2840 Mt. Danaher Road  
Camino, CA 95709  
Index Code: 2700  
Billing Code: 013872  
PCA Code: 00900  
Federal P Code PNJ3EV

**Rich Browne / Abby O'Leary**  
Finance Section Chiefs



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# **CAL FIRE**

## **INCIDENT MANAGEMENT TEAM**

### **WATER USAGE PLAN**

#### *California Drought Emergency*

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

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

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

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

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

#### **Aviation Operations-**

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

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

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

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

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

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

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



## DEMOBILIZATION PLAN - SUMMARY

Butte Incident  
CA-AEU-024918

### GENERAL INFORMATION

The Demobilization Plan is developed to facilitate the orderly removal and checkout of resources on the incident. By definition, surplus personnel are available for release if they have rested for a minimum of **8 hours**.

The Demobilization unit will be moved to : **Murphys Suites**  
**134 Highway 4,**  
**Murphys, CA 95247**

Starting on September 29, 2015 at 0800. Will close each day at 1900 hours.

### GENERAL GUIDELINES

- o **NO RESOURCES WILL LEAVE THE INCIDENT UNTIL AUTHORIZED TO DO SO BY THE DEMOB UNIT.**
- o DEMOB list will be posted around camp and also will be added to the CAL FIRE IMT 1 online folder. (Scan QR code to read DEMOB list or <http://calfire.box.com/calfireimt1>)
- o Efforts will be made to ensure that all released personnel arrive at their destination prior to 2200 hours.
- o All government and hired vehicles leaving the incident will have a safety inspection. If a vehicle is within 1,000 miles of a "B" service, it is the responsibility of the resource to contact Ground Support and have an oil change prior to their scheduled DEMOB time.
- o All strike team leaders are responsible to call North Ops at 1-800-237-3703 immediately upon being released from the incident.
- o **Vehicle inspections will occur at:** **CAL FIRE San Andreas Headquarters**  
**785 Mountain Ranch Rd.**  
**San Andreas, CA 95249**

Starting on September 29, 2015 at 0800

### RESPONSIBILITIES

**Unit Leaders** will declare resources excess to their **Section Chief**. **Section Chiefs** will declare excess resources to the Planning Section Chief through the **Resource Unit Leader**. This should be done 36 hours in advance of anticipated release. Use the **Declaration of Excess Resources sheet** or **General Message Form (ICS-213)** to list all excess resources. Include the resource name, request number, name of person, date and time of declared excess, and time in which the resource will be eligible to leave. Send to the **RESOURCE UNIT** where the resource will be determined to be surplus to the incident. Surplus resources will then be able to report to the **DEMOB UNIT**, receive a Demobilization Checkout Form (ICS 221), get the appropriate ICS 221 signatures, and then return the completed ICS 221 to the DEMOB UNIT prior to final release or reassignment.

### RELEASE PRIORITIES

1. Organized fire departments
2. OES engines
3. Hired personnel and equipment
4. Other agencies (USFS, BLM, etc.)
5. Out of region CAL FIRE forces
6. Within Region Cal FIRE Forces
7. Unit CAL FIRE Forces

### TRAVEL INFORMATION

All resources will meet agency specific requirements on hours of travel per day. For CAL FIRE hand crews, a full 24 hour reset period shall be adhered to before departing from the incident. After a crew's last operational period they shall begin the demobilization release procedure during their 24 hour off shift. In addition, they must use the following complete 24 hour period as reset time before they depart from the incident.

**Any questions please Contact: DMOB Tom Shevenell 1-559-246-1170**

# Butte Fire -Fire Suppression Repair

## Roads

- Install waterbars where waterbars previously existed.
- Install waterbars where needed based on guidelines.
- Install or maintain rolling dips where a rolling dip previously existed.
- Install or maintain existing berms where applicable.
- Clean culverts plugged with soil and rock resulting from fire suppression actions.
- Remove all slash and debris from culvert inlets/outlets resulting from suppression actions.
- Clean and grade ditch lines and lead off ditches as necessary.
- Water roads for dust abatement.

## Hand Lines, Dozer Lines, and Safety Zones

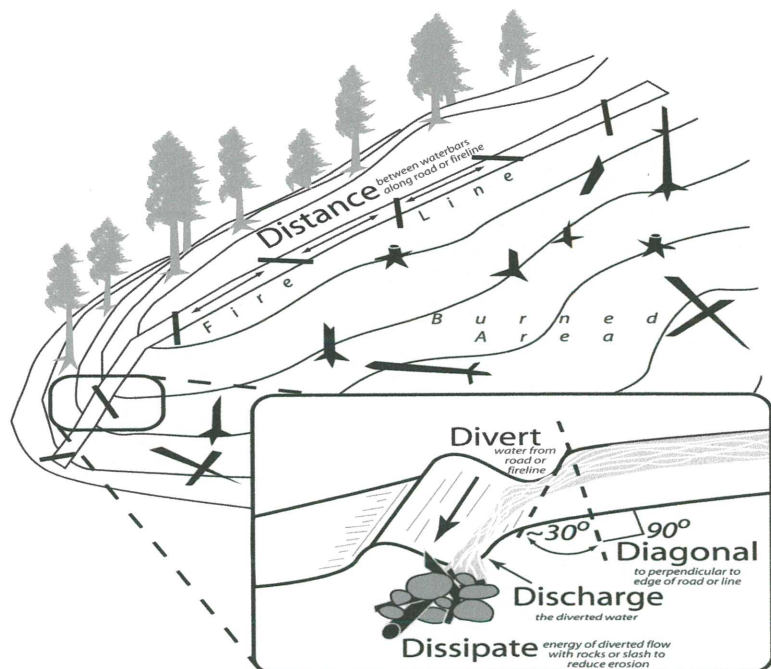
- Install waterbars as described in the guidelines below. Waterbars are designed to intercept, slow and spread the precipitation run-off in order to reduce sediment transport and soil erosion. The idea is to move water off the fireline before it can build up enough energy to erode and transport sediment.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

## Waterbar Guidelines:

These spacing distances should be used as a *guide*. Judgment should be used in locating waterbars to minimize erosion potential. It may not be possible or necessary to place waterbars in steep or rocky areas. Install waterbars at the following recommended *minimum* intervals:

Fireline Gradient (% slope)	Minimum Distance between Waterbars (feet)
0 to 10	200
11 to 25	100
25+	50

- Remove sediment from watercourse crossing locations and stabilize watercourse crossing approaches with straw or scattered brush where necessary.
- Contour rip wide dozer lines where gradients exceed 20%. (National Forest Lands Only)



**Brush Piles/ Wind Rows**

- Scatter, lop, crush, or masticate brush piles or wind rows within 100 feet of residences, public roads, or along identified strategic fuel breaks.
- Move whole trees to roadside edge of fire line. Delimb whole trees to provide ground cover. (National Forest Lands Only).
- In sensitive areas where vegetation ground cover is below 50%, add wood straw. (National Forest Lands Only)

**Sensitive Areas** (National Forest Lands Only)

- Minimize further damage Cultural/Historic resources by avoiding areas that have been flagged with sensitive resource flagging (yellow and black checker).
  - Contact Resource Advisor before proceeding with work in these areas.
- Minimize further spread of noxious weeds by avoiding areas that have been flagged with orange flagging with Noxious Weed writing with equipment and rehabilitation activities.
  - Contact Resource Advisor before proceeding with work in these areas.

**Stream Channels** (National Forest Lands Only)

- Remove all material used to construct diversions or impoundments.
- Block access to stream channels where not previously accessible from roads, or trails; use slash and make natural appearing.
- If dirt was pushed into stream channels, pull dirt back at least 50 feet from stream banks.
- Do not disturb stream bottom and stream bank.

**Fences**

- Repair fences damaged during fire suppression operations.

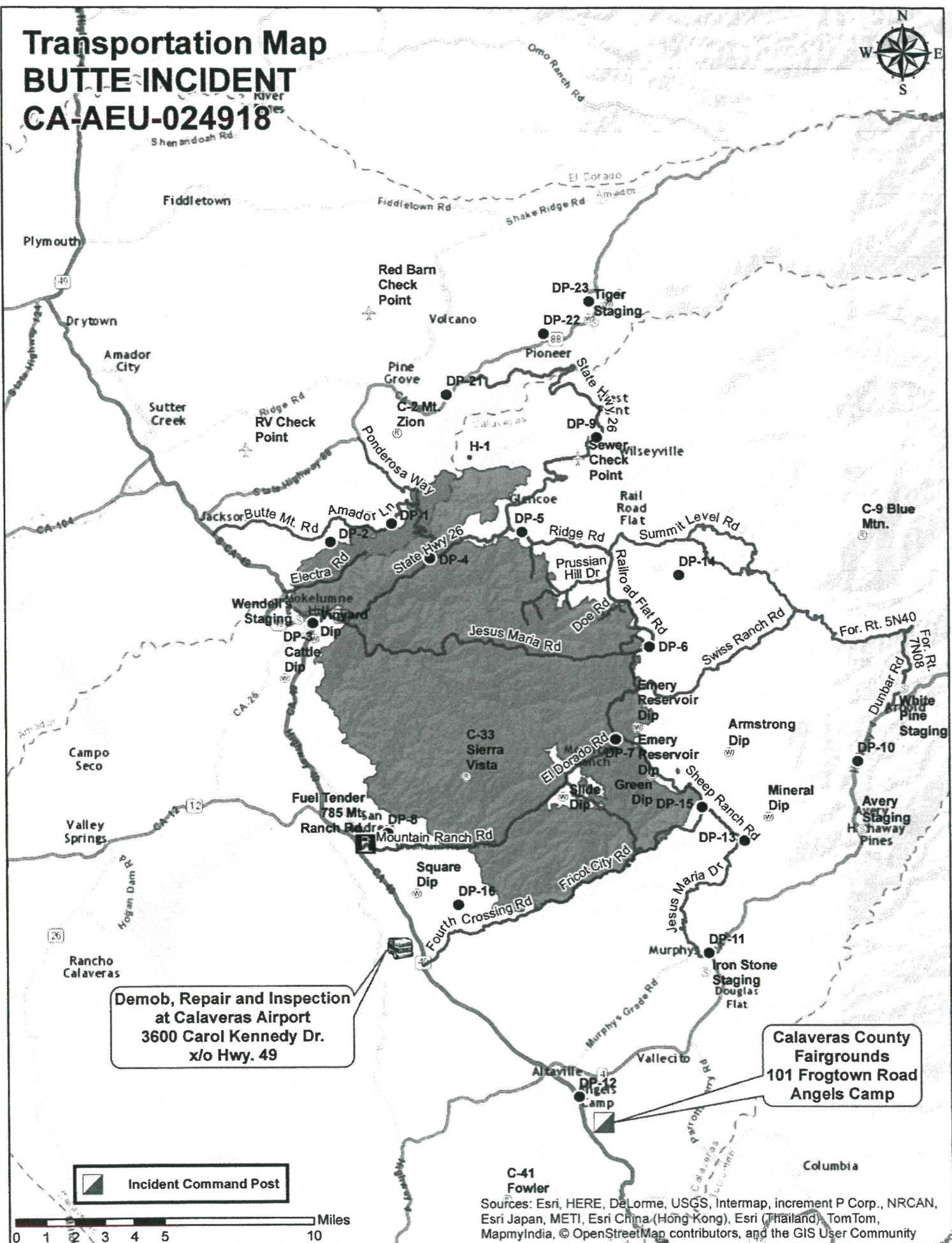
**Damaged Property**

- Report damaged property to the comp claims unit.

# Transportation Map

## BUTTE INCIDENT

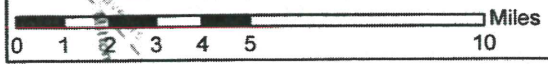
### CA-AEU-024918



Demob, Repair and Inspection  
at Calaveras Airport  
3600 Carol Kennedy Dr.  
x/o Hwy. 49

Calaveras County  
Fairgrounds  
101 Frogtown Road  
Angels Camp

 Incident Command Post



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



