

\* CORRECTED \*

# CALDWELL FIRE

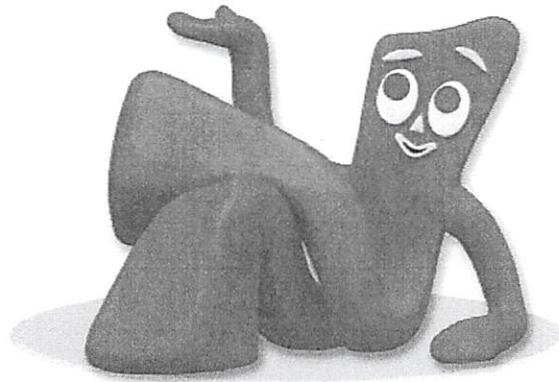
## Incident Action Plan

Monday, September 4, 2017



0600-1800


CA-SQF-002435

P5LBF9 0513



Kern River Ranger District  
Sequoia National Forest

INCIDENT OBJECTIVES	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED
	CALDWELL	09/03/17	1800
<b>4. OPERATIONAL PERIOD (DATE/TIME)</b> <p style="text-align: center;"><b>09/04/2017                      0600-1800</b></p>			
<b>5. GENERAL CONTROL OBJECTIVES FOR THE INCIDENT (INCLUDE ALTERNATIVES)</b>  <b>Management Objectives:</b>  <ol style="list-style-type: none"> <li>1. Provide for firefighter and public safety through sound risk management and life first principles.</li> <li>2. Protect cultural values in the fire area.</li> <li>3. Provide accurate and timely fire information to public and cooperators.</li> <li>4. Utilize strategies and tactics that enhance our probability of success.</li> </ol>  <b>Control Objectives:</b>  <b>Keep the fire-</b>  <ul style="list-style-type: none"> <li>• North of Short Canyon</li> <li>• South of Cannell Creek</li> <li>• East of Kernville</li> <li>• West of Fay Creek</li> </ul>			
<b>6. WEATHER FORCAST FOR OPERATIONAL PERIOD</b> <p style="text-align: center;"><b>SEE SPOT WEATHER FORECAST</b></p>			
<b>7. GENERAL/SAFETY MESSAGE</b>  <p style="text-align: center;"><b>SEE SAFETY MESSAGE</b></p>			
<b>8. ATTACHMENTS ( X IF ATTACHED)</b>			
<input checked="" type="checkbox"/> 202	<input checked="" type="checkbox"/> SAFETY MESSAGE / LCES	<input type="checkbox"/> TRANSPORTATION MAP	
<input checked="" type="checkbox"/> 203	<input checked="" type="checkbox"/> WEATHER	<input type="checkbox"/> INCIDENT MAP	
<input checked="" type="checkbox"/> 204	<input checked="" type="checkbox"/> AIR OPERATIONS SUMMARY	<input type="checkbox"/>	
<input checked="" type="checkbox"/> 205	<input type="checkbox"/> HUMAN RESOURCE	<input type="checkbox"/>	
<input checked="" type="checkbox"/> 206	<input type="checkbox"/> ICP / CAMP MAP	<input type="checkbox"/>	
<input checked="" type="checkbox"/> FBAN	<input type="checkbox"/>	<input checked="" type="checkbox"/> ICS 214	
ICS 202	<b>9. PREPARED BY (PLANNING SECTION CHIEF)</b> <p style="text-align: center;">Robert Kovach, PSC2 </p>	<b>10. APPROVED BY (INCIDENT COMMANDER)</b> <p style="text-align: center;">Van Arroyo, ICT2 </p>	

ORGANIZATION ASSIGNMENT LIST			9. Operations Section		
1. INCIDENT NAME <b>Caldwell Fire</b>			Chief	Mike Milkovich / Todd McDivitt(T)	
2. Date <b>09/03/17</b>			Chief (IA)	Bob Neumann / Angela Sanchez-Hand(T)	
3. Time <b>1800</b>			a. Branch I <b>DAY</b>		
4. Operational Period <b>09/04/17 0600-1800</b>			Branch Director		
Position	Name		Division/Group A	James Huston	
			Division/Group Z	Joe Tieso	
5. Incident Commander and Staff			Division/Grp. Cannell	UNSTAFFED	
Incident Commander	Van Arroyo / Jim Tomaselli(T)		Division/Grp. Salmon	UNSTAFFED	
Deputy			Division/Group IA	Brandon Paige	Tom Himmelrich(T)
Safety Officer	T. Zeulner/R. Bertram/B. Kicklighter(T)		Division/Group		
Information Officer	Manny Madrigal/Paula Martinez Chris Mailles		Division/Group		
Liaison Officer	Jeff Jones		Division/Group		
			Division/Group		
			Division/Group		
			Division/Group		
6. Agency Representative			NIGHT		
Agency	Name		Night Operations		
Agency Administrator	Philip DeSenze		Division/Group		
Forest Supervisor	Kevin Elliott		Division/Group		
District Duty Officer	Carl Sarubbi		Division/Group		
Kern Co. FD Agency Rep.	Steve Pendergrass		Division/Group		
			Branch Director		
7. Planning Section			d. Air Operations Branch		
Chief	Robert Kovach		Air Operations Branch Director	John Crotty	
Deputy	Bill Brickey		Air Attack Supervisor		
Resource Unit	Pat Caprioli / Tony Occhipinti(T)		Air Support Grp. Sup.	Curt Warner	
Situation Unit	M. Held / D. Paschke(T) / A. Grove(T)		Helibase Manager	Brad Corbin / Maria Cordova(T)	
GISS	Faron Bowman / Mark Schnorff(T)		Helicopter Coordinator		
Documentation Unit					
Demobilization Unit	Marion Kadota				
Incident Weather					
Fire Behavior Analysis	Rich Gonzales				
Incident Technology	Cheryl Deshazer				
Training	John Alford				
Resource Advisor	Jaymee Hasty				
8. Logistics Section			10. Finance Section		
Chief	Mike Beeman		Chief	Robin Nimura	
Deputy	Tom Crakes		Deputy	Larry Lee	
Supply Unit			Time Unit	Darin Colby	
Facilities Unit	A.J. Johnson(T)		Procurement Unit		
Ground Support Unit			Comp. / Claims Unit		
Communications Unit	Dave Paschke		Cost Unit	Lee Piper	
Communications Tech.	Seth Wells(T)		Equipment Time Rec.	Matt Vierra	
Radio Tech	Robert Hain / John Wilkins		Personal Time Rec.	Ronnee Helzner	
Medical Unit	Jim Emerson				
Food Unit					
Base Camp Manager			Prepared by (Resource Unit Leader)		
Ordering Manager					
Receiving Manager	Ryan DiGuillio / Julian Valenzuela(T)				
Security Manager	Chuck Jones		Pat Caprioli		

**Caldwell Fire**

National Weather Service San Joaquin Valley

2017-09-03 3:29 PM PDT

Spot Forecast for CALDWELL FIRE...CA CENTRAL COAST IMT (USFS)

National Weather Service Hanford CA

329 PM PDT Sun Sep 3 2017

Forecast is based on request time of 0600 PDT on September 04.  
If conditions become unrepresentative...contact the National Weather Service.

.DISCUSSION...

Warmer than normal temperatures will continue over the fire through Labor Day as a large upper high pressure ridge remains over the Western U.S. A cooling trend will occur by mid week as the upper high weakens. Moisture from Tropical Storm Lidia will spread northward over the fire today and tonight, bringing increasing clouds and increased chances of showers and thunderstorms.

.LABOR DAY...

Sky/weather.....Sunny then becoming partly sunny. Haze and areas of smoke through the day. Slight chance of showers and thunderstorms in the afternoon.

Max temperature.....94-99.

Min humidity.....20-28 percent.

EYE LEVEL WINDS.....East winds 4-9 mph in the early morning increasing to 9-14 mph by afternoon.

SURROUNDING RIDGE...Southeast winds 3-8 mph.

.MONDAY NIGHT...

Sky/weather.....Partly cloudy. Slight chance of showers and thunderstorms in the evening. Haze and areas of smoke through the night.

Min temperature.....64-69.

Max humidity.....62-70 percent.

EYE LEVEL WINDS.....Southeast winds 4-9 mph in the early evening shifting to the northeast 3-5 mph .

SURROUNDING RIDGE...Southeast 3-8 mph.

\$\$


Forecaster...BARLOW

Requested by...RICHARD GONZALES, FBAN *ZG*

Type of request...WILDFIRE

.TAG 1715380.0/HNX

## FIRE BEHAVIOR FORECAST

FORECAST NUMBER: 001	TYPE OF FIRE: Wildfire
FIRE NAME: Caldwell	OPERATIONAL PERIOD: 9/04-05/17, 0600-0600
DATE ISSUED: 9/03/17	TIME ISSUED: 1800 hrs
UNIT: Sequoia National Forest, CA	SIGNED:  Typed/printed: Richard Gonzales, FBAN

### INPUTS

#### WEATHER SUMMARY:

Sky: Sunny, becoming partly cloudy...chance of showers and thunderstorms in the afternoon  
Temperatures: 94-99 degrees  
RH: 20-28%  
Winds (Eye Level): East 4-9 mph...increasing to 14 mph in the afternoon  
LAL: 2  
Haines: 4

### OUTPUTS

#### FIRE BEHAVIOR

##### GENERAL:

Fire is burning in Grass and mixed Shrubs. FDFM is 4% for 1 hr and 6% for 10 hr fuels. Interior fuel pockets will hold heat...expect to see areas with flare ups. LFM is roughly 80%. Fire carried very well with wind and topography alignment. ROS in excess of 120-140 chains/hr (2 miles/hr) and flanking 8-10 chains/hr (less than ¼ mile/hr). Good opportunity for recovery in the lighter fuels due to cooler temps and increasing RH's during night-time hours.

Probability of Ignition will be near 90% for the better part of the operational period.

BI: 62

Flame Length: Grass up to 8' and Shrubs up to 30'

##### SPECIFIC:

Div "A": Fire will continue to progress as fire backs/flanks into drainages that align with wind and topography upon the upper 1/3 of the slope. Heads up for increased ROS as fire transitions with slope reversal. Interior pockets will continue to burn in the heavier fuels until extinguished or burn down.

Div "Z": Northern edge continues to burn into sparse fuels along the rocks. Caution with stronger winds (outflows) that may push embers into receptive fuel beds. . Heads up for increased ROS as fire transitions with slope reversal.

New Starts: With high winds and a mid-level Haines, fire spread can rapidly develop.

#### AIR OPERATIONS:

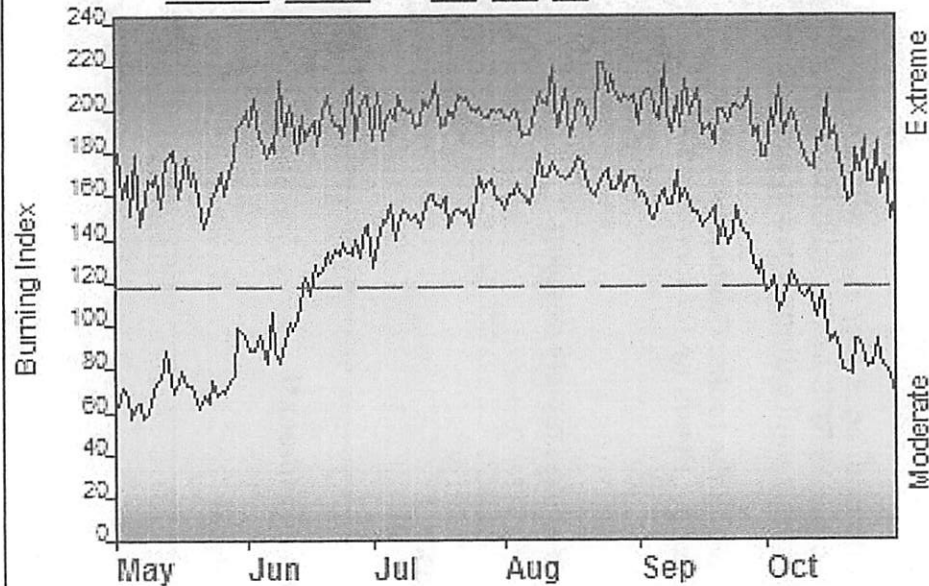
Thunderstorms in area...expect gusty and erratic conditions.

### SAFETY

- LCES...and Keep informed on fire weather conditions and forecast
- Evaluate the Fire's potential for upslope runs
- Consider the potential for re-burning of available fuels.

## FIRE DANGER -- FDRA 445 LK ISABELLA

Maximum, Average, and 35th Percentile, based on 20 years data



## Fire Danger Area:

- ◆ CND/SQF LK Isabella
- ◆ Lower Kern Canyon
- ◆ Kern County Mountains
- \* Meets NWCG Wx Station Standards



## Fire Danger Interpretation:



- EXTREME -- Use extreme caution
- (Caution) -- Watch for change
- Moderate -- Lower Potential, but always be aware

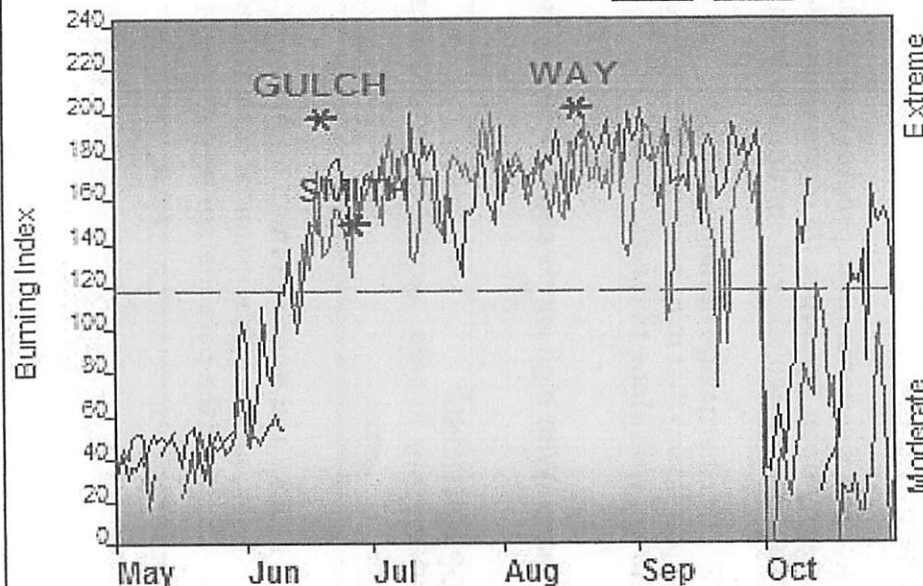
Maximum -- Highest Burning Index by day for 1995 - 2015

Average -- shows peak fire season over 20 years (3163 observations)

35th Percentile -- Only 35% of the 3163 days from 1995 - 2015 had an Burning Index below 116

**Local Thresholds - Watch out:** Combinations of any of these factors can greatly increase fire behavior:  
 20+ Wind Speed over 9 mph, RH less than 15%,  
 Temperature over 100, 10-Hour Fuel Moisture less than 3

## Years to Remember: 2006 2010



Fuel Model: B - California Chaparral

## Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations calculated from 2 pm temperature, humidity, wind, daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across the landscape -- Fuel, Weather, Topography.
- ✓ Listen to weather forecasts -- especially WIND.

## Past Experience:

Note: This is an Interagency card for both SQF & CND

Weather station used: Democrat 45002

Analysis shows large fires (100+) acres start to occur when the BI is over 128  
 The Smith fire started on 6-27-06 with a BI of 139 and burned a total of 225 acres. The Way fire started on 8-18-14 with a BI of 230 and burned 4045 combined acres  
 6/19/12 the Gulch fire started with a BI of 197 and burned 385 AC  
 The Kern Valley has significant fire starts and extreme fire behavior. The fire environment factors include strong winds, flashy fuels and urban interface.

Responsible Agency: CA-SQF STEVE PHILLIPS ECC MGR

FF-4.1 build 1622 05/09/2016-10:26 (C:\Users\sjphillips\Documents\fsam\sqf)

Design by NWCG Fire Danger Working Team.



## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>				<b>3.</b>			
CALDWELL FIRE				Branch:		Division/Group:  <b>A</b>	
<b>2. Operational Period:</b>							
Date/Time From: 09/04/2017 0600      MON		Date/Time To: 09/04/2017 1800      MON					
<b>4. Operations Personnel</b>							
<b>OPERATIONS CHIEF</b>		MILKOVICH, MICHAEL A MCDIVITT, TODD (T)			<b>BRANCH DIRECTOR</b>		
<b>DIVISION/GROUP SUPERVISOR</b>		HUSTON, JAMES			<b>AIR ATTACK SUPERVISOR</b>		
<b>5. Resources Assigned this Period</b>							
Strike Team / Task Force / Resource Designator		LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
HC1 LAGUNA IHC		09/15	VIGIL, STEVE	17	KERVILLE HELIBASE/0600	KERVILLE HELIBASE/1800	
HC2 BLACK EAGLES 6		09/15	HOWARD, WESLEY	21	KERVILLE HELIBASE/0600	KERVILLE HELIBASE/1800	
SOFR O-13		09/15	CAZIER, JOSH	1	KERVILLE HELIBASE/0600	KERVILLE HELIBASE/1800	
FEMT <span style="color: red;">0-30</span>		09/17	SOUDERS, CALEB	1	KERVILLE HELIBASE/0600	KERVILLE HELIBASE/1800	
<b>6. Control Operations/Work Assignments:</b>							
CONSTRUCT AND IMPROVE HANDLINE. MOP UP AS APPROPRIATE.							
<b>7. Special Instructions:</b>							
* Refer to yesterday's COMM PLAN							
<b>8. Division/Group Communication Summary</b>							
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode	
COMMAND	2	169.9000		165.7000	136.5	A	
TACTICAL	<span style="color: red;">54</span>	<del>166.7750</del>	<span style="color: red;">168.2500</span>	<del>166.7750</del>	<span style="color: red;">168.2500</span>	A	
AIR TO GROUND	12	172.2500		172.2500		A	
EMERGENCY	14	168.6250		168.6250	110.9	A	
MEDIVAC	15	156.0750		156.0750	156.7	A	
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
A. OCCHIPINTI, RESL(T)			B. BRICKEY, PSC2		09/03/2017	1600	

## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>			<b>3.</b>			
CALDWELL FIRE			Branch:	Division/Group:		
<b>2. Operational Period:</b>			<b>Z</b>			
Date/Time From: 09/04/2017 0600      MON	Date/Time To: 09/04/2017 1800      MON					
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>	MILKOVICH, MICHAEL A MCDIVITT, TODD (T)		<b>BRANCH DIRECTOR</b>			
<b>DIVISION/GROUP SUPERVISOR</b>	TIESO, JOE		<b>AIR ATTACK SUPERVISOR</b>			
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
HC1 DEL ROSA IHC	09/15	GAMBOA, NEIL	18	KERNVILLE HELIBASE/0600	KERNVILLE HELIBASE/1800	
KERN VALLEY IHC	09/15	CLENDENEN, KYLE	19	KERNVILLE HELIBASE/0600	KERNVILLE HELIBASE/1800	
SOF2 O-5.30	09/15	STORNETTA, ANTHONY J	1	KERNVILLE HELIBASE/0600	KERNVILLE HELIBASE/1800	
FEMP O-31	09/16	FERREIRA, ERIC	1	KERNVILLE HELIBASE/0600	KERNVILLE HELIBASE/1800	
FEMT O-8	09/17	<del>F</del> TRETWELL, NADINE	1	KERNVILLE HELIBASE/0600	KERNVILLE HELIBASE/1800	
<b>6. Control Operations/Work Assignments:</b>						
Construct and improve handline. Mop up as appropriate.						
<b>7. Special Instructions:</b>						
<i>See yesterday's comm plan</i>						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2	169.9000		165.7000	136.5	A
TACTICAL	4, 5	<del>168.2500</del>	166.7750	<del>168.2500</del>	166.7750	A
AIR TO GROUND	12	172.2500		172.2500		A
EMERGENCY	14	168.6250		168.6250	110.9	A
MEDIVAC	15	156.0750		156.0750	156.7	A
<b>9. Prepared By (Resource Unit Leader)</b>			<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>
A. OCCHIPINTI, RESL(T)			B. BRICKEY, PSC2		09/03/2017	1600


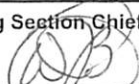


## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>		<b>3.</b>				
CALDWELL FIRE		Branch:		Division/Group:		
<b>2. Operational Period:</b>		<b>CANNELL FIRE</b>				
Date/Time From: 09/04/2017 0600 MON	Date/Time To: 09/04/2017 1800 MON					
<b>4. Operations Personnel</b>						
OPERATIONS CHIEF		NEUMANN, ROBERT F SANCHEZ-HAND, ANGELA M (T)		BRANCH DIRECTOR		
DIVISION/GROUP SUPERVISOR		PONTES, BRIAN		AIR ATTACK SUPERVISOR		
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
SMKJ 52 -REDDING	9/16	PONTES, BRIAN	5	ON SCENE	9/5 @ 10:00	
<b>6. Control Operations/Work Assignments:</b>						
Unstaffed and patrolled by district personnel.						
<b>7. Special Instructions:</b>						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2	169.9000		165.7000	136.5	A
TACTICAL	5	168.2500		168.2500		A
AIR TO GROUND	13	167.4750		167.4750		A
EMERGENCY	14	168.6250		168.6250	110.9	A
MEDIVAC	15	156.0750		156.0750	156.7	A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
A. OCCHIPINTI, RESL(T)		B. BRICKEY, PSC2		09/03/2017	1600	



## Division/Group Assignment List (ICS 204 WF)

<b>1. Incident Name:</b>		<b>3.</b>				
CALDWELL FIRE		Branch:		Division/Group:		
<b>2. Operational Period:</b>		<b>KERN RIVER IA</b>				
Date/Time From: 09/04/2017 0600      MON	Date/Time To: 09/04/2017 1800      MON					
<b>4. Operations Personnel</b>						
<b>OPERATIONS CHIEF</b>	NEUMANN, ROBERT SANCHEZ-HAND, ANGELA M (T)	<b>DISTRICT DUTY OFFICER</b>	SARUBBI, CARL			
<b>DIVISION/GROUP SUPERVISOR</b>	PAIGE, BRANDON HIMMELRICH, THOMAS S (T)	<b>AIR ATTACK SUPERVISOR</b>				
<b>5. Resources Assigned this Period</b>						
Strike Team / Task Force / Resource Designator	LWD	Leader	Number Persons	Drop Off PT./Time	Pick Up PT./Time	
KERN COUNTY IA RESPONSE RESOURCES		PENDERGRASS, STEVE		AVAILABLE UPON DISPATCH/		
KERN RIVER RANGER DISTRICT RESOURCES		SARUBBI, CARL		AVAILABLE UPON DISPATCH/		
<b>6. Control Operations/Work Assignments:</b>						
Maintain a 3 minute response time to any IA within the Kern River Ranger District.						
<b>7. Special Instructions:</b>						
Resources are available for IA responses within the District, while also responding to calls within their responsible DPA. SOF2 O-5.3 Zeulner, Tom will respond from base camp in the event of an IA response.						
<b>8. Division/Group Communication Summary</b>						
Function	Channel	RX Frequency N/W	RX Tone/NAC	TX Frequency N/W	TX Tone/NAC	Mode
COMMAND	2	169.9000		165.7000	136.5	A
TACTICAL	3	168.6000		168.6000		A
TACTICAL	6	154.2650		154.2650		A
TACTICAL	7	154.2950		154.2950		A
AIR TO GROUND	13	167.4750		167.4750		A
EMERGENCY	14	168.6250		168.6250	110.9	A
MEDIVAC	15	156.0750		156.0750	156.7	A
<b>9. Prepared By (Resource Unit Leader)</b>		<b>Approved By (Planning Section Chief)</b>		<b>Date</b>	<b>Time</b>	
A. OCCHIPINTI, RESL(T) 		B. BRICKEY, PSC2 		09/03/2017	1600	

# AIR OPERATIONS SUMMARY

PREPARED BY: John Crotty AOB

PREPARED DATE/TIME: 9/2/17 1500hrs

1. INCIDENT NAME: Caldwell Fire	2. OPERATIONAL PERIOD DATE: 9/4/2017 START TIME: 0700 END TIME: 2100 SUNRISE :0628 SUNSET: 1915
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<b>3. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):</b> No sling loads over residential areas Hazards: Smoke, snags, non-incident aircraft at Kern Valley airport, military aircraft and high winds Be aware of rafters on river while dipping for buckets. No water dipping North of the Forks of the Kern due to wilderness restrictions.	<b>4. MEDEVAC A/C:</b> See Medical plan for normal non-life threatening helispot extraction order H408 or H538. For night extraction requiring Hoist Kern County H408 ALS available on request through Sequoia Dispatch.	<b>5. TFR: Radius: 7-5904</b>  Altitude: <u>10000 MSL</u> <u>5 mile radius from centerpoint</u>  35*-45.06 118*-23.04
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6. PERSONNEL	Phone	7.FREQUENCIES	AM	FM	8. FIXED-WING	# Avail / Type/ Make-Model / FAA N# / Base(s)
AOBD: John Crotty	805-440-6186	AIR/AIR FW:		167.9500	Airtankers	Porterville Tanker Base: On request
ATGS: Joel Lane	559-310-9430	AIR/AIR RW:	119.3750 RX/TX		Leadplanes	On request
HLCO:		Air/Ground:		172.2500 RX/TX	Base FAX #:	
ASGS: Curt Warner	805-478-1231	Air/Ground Initial Attack:	167.4750		ATGS Aircraft	AA-07 AA-12 AA-51 AA-410
Kernville Helibase HEB1 Brad Corbin Heb2(t) Maria Cordoba	760-376-3781 Ext 626 530-517-1452 760-822-6367	COMMAND	SQF Ch 2 RX 169.9000 Tx165.7000 Tone 4: 136.5		HLCO	
ATB MGR: Raul Contreras	559-798-0192	DECK FREQ:		163.100 RX/TX		
H-407 Medevac POC Casey Payne	661-400-5187	TOLC FREQ:				
		Air/Guard FREQ:		168.625 RX/TX Tone 110.9		

9. HELICOPTERS (Use Additional Sheets As Necessary)



FAA N#	TY	MAKE/MODEL	BASE	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	START	REMARKS
H-538	II	Bell 205A1++	Kernville	0700	Pax/Bucket/Sling						
H-408	II	Bell Super Huey	Kernville	24 hr	Hoist/Medevac						
966FS	III	A-Star	Kernville	0700	Pax/Bucket/Sling						
5TK											
TBD	III										

10. TASK/MISSION/ASSIGNMENT (Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, S&R, etc.)				
TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applic) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Personnel Transport	On request through Helibase			
Cargo Transport	On request through Helibase			
Recon	On request through Helibase			
Water dropping	On request through ATGS			
Retardant	On request through ATGS			
PSD Operations	On request through ATGS/Operations/Air Operations			
	NO HELISPOT CONSTRUCTION IN WILDERNESS WITHOUT APPROVAL			

ICS-220

Special equipment:



## CALDWELL FIRE -SAFETY MESSAGE

**Safety is everyone's business...  
The person in the mirror is in charge of your safety!**

INCIDENT: CALDWELL FIRE      DATE: 09-04-17      TIME: 0600-1800 DAY

### Major Hazards and Risks:

- **Thunderstorm Safety:** Seek lower ground if lightning is detected in the area
- **Terrain:** Working in rough, steep terrain and with rolling material.
- **Fatigue and dehydration.**
- **Holiday weekend traffic on local roads:** Keep speeds down!
- **Don't be a distracted driver!**
- **Helicopter transportation:** Stay alert when loading and unloading helicopters

Fire Order of the Day – Fight fire aggressively, having provided for safety first.

### Narrative:

Steep terrain makes hiking tough and slow! Watch out for rolling rocks and maintain proper spacing between crew members. Hydrate early and often. Double check your communications with your supervisor. Don't let your guard down and pay strict attention to your fire weather and fire behavior forecasts. If you receive instructions that are not clear to you, follow up by discussing it with your supervisor.

### Watch Out Situation of the Day



6. INSTRUCTIONS AND ASSIGNMENTS NOT CLEAR

### The Basics

- **10 and 18s**
- **LCES**
- **Anchor Points**
- **Hazard Trees**
- **Driving**
- **Communication**
- **Spike in safe areas**

Incident Safety Officer: Bart Kicklighter SOF2(T), Rick Bertram SOF2

*Bart Kicklighter* SOF2(T)

## INCIDENT SAFETY ANALYSIS 215a

Caldwell Fire \ Cannell Fires CA-SQF-002435 - Monday, September 04, 2017

8. Location	9. Hazard	6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, Education, etc)
All	Driving & Traffic	<ul style="list-style-type: none"> <li>~ Practice "Defensive Driving" techniques traveling on all roads and city streets.</li> <li>~ Use spotters when backing.</li> <li>~ Honk horn to alert personnel when backing.</li> <li>~ Keep clutter off dash and inside cab.</li> <li>~ Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts.</li> <li>~ Always use headlights.</li> <li>~ Yield to pedestrians and bicycles.</li> <li>~ Observe posted speed limits.</li> <li>~ Use the 3 second rule for following distance when driving.</li> <li>~ Use chock blocks, turn wheels into hill.</li> <li>~ Avoid distractions (eating, cell phones, radio).</li> <li>~ Ensure that windshields are kept clean of dust and bugs.</li> </ul>
ALL	Direct Line Construction	<ul style="list-style-type: none"> <li>~ Post lookouts, identify escape routes and safety zones (IRPG pg. 7).</li> <li>~ Review "Strategy/Indirect Attack" (IRPG pg. 77-78).</li> </ul>
ALL	Air Operations	<ul style="list-style-type: none"> <li>~ Follow "Aviation Watch-Out Situations" on page 44, IRPG.</li> <li>~ Don't plan on air resources for medical transport or resupply.</li> <li>~ Refer to page 57, IRPG for directing bucket drops.</li> <li>~ Ensure positive communication with all air resources.</li> </ul>
All	Extreme Fire Behavior	<ul style="list-style-type: none"> <li>~ Share weather observations with all personnel assigned to division.</li> <li>~ Establish "Trigger Points" to withdraw.</li> <li>~ Use "Risk Management" process prior to engaging in suppression actions, refer to page 1, IRPG.</li> </ul>
ALL	Steep Terrain & Rolling Debris	<ul style="list-style-type: none"> <li>~ Maintain 8'-10' spacing when working &amp; walking.</li> <li>~ Don't work above any personnel.</li> <li>~ Be on the lookout for rolling rocks, debris, or burning material.</li> <li>~ Evaluate necessity to send personnel in areas with limited access.</li> <li>~ Post lookouts (IRPG pg 7).</li> </ul>
ALL	Severe Weather	<ul style="list-style-type: none"> <li>~ Review and follow Thunderstorm Safety guidelines in IRPG page 21.</li> <li>~ Observe 30/30 Rule for lightning safety.....page 21, IRPG.</li> <li>~ Establish "Trigger Points" to withdraw, and ensure all know rally site.</li> <li>~ Use "Risk Management" process to determine retreat criteria and actions.</li> <li>~ Carry rain gear and extra food and water if weather limits retreat to ICP.</li> </ul>
ALL	Fatigue & Over Exertion	<ul style="list-style-type: none"> <li>~ Drink 1 quart of water each hour during and after work.</li> <li>~ Rotate crews out of smoky areas.</li> <li>~ Set a reasonable work pace and allow adequate rest breaks while on the project.</li> <li>~ Stagger work crews start time to limit fatigue.</li> <li>~ Use buddy system to monitor personnel of heat related and fatigue issues.</li> <li>~ Follow work / rest guidelines.</li> </ul>
ALL	Heat Related Illness (HRI)& Dehydration	<ul style="list-style-type: none"> <li>~ Drink Fluids throughout operational period (6-8 qts/shift).</li> <li>~ Maintain water/electrolyte ratio of 3 to 1.</li> <li>~ Carry extra water on line and cache water at drop points.</li> <li>~ Take Frequent breaks, minimum of 10 minutes every hour.</li> <li>~ Allow out of area resources time to acclimatize before expecting peak performance.</li> <li>~ Recognize symptoms of HEAT RELATED ILLNESS which include.                             <ul style="list-style-type: none"> <li>o Lack of energy</li> <li>o Headaches, dizziness</li> <li>o Lack of rest</li> <li>o No hunger, poor eating habits</li> <li>o Hot skin, and lack of sweating</li> </ul> </li> </ul>
ALL	Helicopter Operations	<ul style="list-style-type: none"> <li>~ Stay clear of all bucket drops when suppression actions are in place and allow 1 minute prior to re-entry.</li> <li>~ Monitor A-G communications.</li> <li>~ Follow aviation safety guidelines in IRPG and IHOG.</li> </ul>
All	Spike Camp	<ul style="list-style-type: none"> <li>~ Keep a clean camp.</li> <li>~ Ensure communications are in place.</li> <li>~ Review and observe "Line Spike" considerations (IRPG pg. 89-90).</li> </ul>

*Duff* 50F2(7)

INCIDENT RADIO COMMUNICATIONS PLAN			Incident Name CALDWELL			Date/Time Prepared 09-03-17			Operational Period Date/Time 09-04-17/0600-1800		
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	<del>CMD 1</del>		<del>168.7000</del>			<del>170.9750</del>		<del>110.9</del>	A	<del>NIFC C1 (NOT IN USE)</del>
2	COMMAND	SQF CH 2		169.9000			165.7000		136.5	A	Baker Pt/Tone 4
3	TACTICAL	NIFC TAC 3	I/A ONLY	168.6000			168.6000			A	INITIAL ATTACK ONLY
4	TACTICAL	NIFC TAC 6	DIV A	166.7750			166.7750			A	
5	TACTICAL	NIFC TAC 7	DIV Z/CANNELL	168.2500			168.2500			A	
6	TACTICAL	VFIRE22	I/A ONLY	154.2650			154.2650			A	INITIAL ATTACK ONLY
7	TACTICAL	VFIRE23	I/A ONLY	154.2950			154.2950			A	INITIAL ATTACK ONLY
8											
9											
10											
11											
12	AIR/GROUND	A/G	ALL	172.2500			172.2500			A	AIR/GROUND
13	AIR/GROUND	I/A A/G	I/A ONLY	167.4750			167.4750			A	I/A AIR/GROUND
14	EMERGENCY	<del>AIRGUARD</del>	<del>ALL</del>	<del>168.6250</del>			<del>168.6250</del>		<del>110.9</del>	A	
15	MEDIVAC	CALCORD	ALL	156.0750			156.0750		156.7	A	
16	EMERGENCY	AIRGUARD	ALL	168.6250			168.6250		110.9	A	
Prepared by (Communications Unit) David Paschke, COML						Incident Location SEQUOIA NATIONAL FOREST County TULARE State 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.

<b>MEDICAL PLAN ICS 206</b>	1. INCIDENT NAME	2. DATE PREPARED	3. TIME PREPARED	4. OPERATIONAL PERIOD
	<b>Caldwell Fire</b>	9/3/2017	18:30	Day 9/4/17 2017 0600-1800

**5. INCIDENT MEDICAL AID STATIONS**

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO

**6. TRANSPORTATION**

**A. AIR AMBULANCES**

NAME	LOCATION	PHONE	PARAMEDICS	
			YES	NO
<b>Kern County H408</b> Hoist / 24 Hr. / NVG / ALS	On Incident	(661) 400-5187 (661) 487-2636	X	
<b>Hall Medevac 1</b> 24 hr. / NVG / No hoist	Bakersfield, CA - (20 min ETA)	***911*** (661) 324-6551	X	
<b>Mercy Air 14</b> Day / Night Mission / NVG	Mojave, CA - (30 min ETA)	***911*** (661) 324-6551 - (800) 222-3456	X	
<b>CHP H-40</b> Hoist / 24 Hr. / NVG / ALS.	Fresno, CA (55 min ETA)	***911*** (559) 441-5400 ext.1, (559) 488-4121	X	

**B. GROUND AMBULANCES & REM TEAMS**

NAME	LOCATION	PARAMEDICS	
		YES	NO
Liberty Ambulance	Lake Isabella or Ridgecrest ***911***	X	

**7. HOSPITALS**

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CTR	
		AIR	GRND		YES	NO	YES	NO
Kern Valley Healthcare Dist. Basic Emergency Care	6412 Laurel Avenue Lake Isabella, CA N 35 38.06 x W 118 24.35	10 Min	25 Min	(760) 379-2681	X			X
Kern Medical Center LVL 2 Trauma Center	1700 Mt. Vernon Ave. Bakersfield, CA N 35 23.05 x W 118 58.15	50 Min	1.25 Hr	(661) 326-2667 Ext 223	X			X
Bakersfield Memorial Hospital Emergency Care	420 34 <sup>th</sup> Street Bakersfield, CA N 35 23.46 x W 119 0.316	50 Min	1.25 Hr	(661) 327-4647 Ext 3175	X			X
San Joaquin Hospital Burn Center	2615 Chester Ave. Bakersfield, CA N 35 23.016 x W 119 1.133	50 Min	1.25 Hr	(661) 869-6135	X		X	
Community Regional LVL 1 Trauma, Burn Center	2823 Fresno St. Fresno, CA N 36 44.65 x W 119 47.116	1 Hr	3 Hr	(559) 459-7430	X		X	
Ridgecrest Regional Hospital Emergency Care	1081 N. China Lake Blvd. Ridgecrest, CA	30 Min	1.5 Hr.	(760) 499-3521	X			

**8. MEDICAL EMERGENCY PROCEDURES**

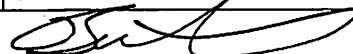
**LINE-EMERGENCY MEDICAL PLAN:**

Crew Supervisor to contact Division Supervisor with patient complaint, condition and location.

Division Supervisor will contact Porterville Communications:

- Division Supervisor or Point of Contact to use "Medical Incident Report" worksheet on back page.
- Division Supervisor or Point of Contact will run medical emergency with Porterville Dispatch. Operations, Safety and MEDL will monitor and advise as necessary.
- CalCord available

<b>ICS 206</b>	9. PREPARED BY: (Medical Unit Leader) Jim Emerson MEDL	10. REVIEWED BY: (Safety Officer) Rick Bertram SOF2
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## Medical Incident Report

**Use items one through nine to communicate situation to communications/dispatch.**

**1. CONTACT COMMUNICATIONS DECLARE: "MEDICAL EMERGENCY" OR "NON-EMERGENCY MEDICAL TRANSPORT"**

*Ex: "Communications, Div. Alpha. Stand-by for a medical emergency on Div. Alpha" (If life threatening request designated frequency be cleared for emergency traffic.)*

**2. INCIDENT STATUS:** Provide incident summary and command structure.

- **Nature of Injury/Illness** Describe the injury (Ex: Broken leg with bleeding) \_\_\_\_\_

- **Incident Name** Geographic Name + "Medical" (Ex: Trout Meadow Medical) \_\_\_\_\_

- **Incident Commander (Division Sup. or designee)** Name of IC \_\_\_\_\_

- **Patient Care** Name of Care Provider (Ex: EMT Smith) \_\_\_\_\_

**3. INITIAL PATIENT ASSESSMENT:** Complete this section for each pt. This is only a brief, initial assessment. Provide additional pt. info after completing this report.

- **Number of Patients:** \_\_\_\_\_ - **Male / Female:** \_\_\_\_\_ - **Age:** \_\_\_\_\_ - **Weight:** \_\_\_\_\_

- **Conscious?**  YES  NO = MEDEVAC! - **Breathing?**  YES  NO = MEDEVAC!

- **Mechanism of Injury** What caused the injury? \_\_\_\_\_

- **Location, Lat/Long** (Datum WGS84) Ex: N 40° 42.45' x W 123° 03.24' \_\_\_\_\_

**4. SEVERITY OF EMERGENCY, TRANSPORT PRIORITY**

SEVERITY	TRANSPORT PRIORITY
<input type="checkbox"/> <b>URGENT-RED</b> Life threatening injury or illness. <i>Ex: Unconscious, difficulty breathing, bleeding severely, 2° - 3° burns more than 4 palm sizes, heat stroke, disoriented.</i>	Ambulance or MEDEVAC helicopter. Evacuation need is <b>IMMEDIATE.</b>
<input type="checkbox"/> <b>PRIORITY-YELLOW</b> Serious Injury or illness. <i>Ex: Significant trauma, not able to walk, 2° - 3° burns not more than 1-2 palm sizes.</i>	Ambulance or consider air transport if at remote location. Evacuation may be <b>DELAYED.</b>
<input type="checkbox"/> <b>ROUTINE-GREEN</b> Not a life threatening injury or illness. <i>Ex: Sprains, strains, minor heat-related illness.</i>	Non-Emergency. Evacuation considered <b>Route of Convenience.</b>

**5. TRANSPORT PLAN:**

**Air Transport:** (Agency Aircraft Preferred)

Helispot  Short-haul/Hoist  Life Flight  Other

**Ground Transport:**

Self-Extract  Carry-Out  Ambulance  Other

**6. ADDITIONAL RESOURCE/EQUIPMENT NEEDS:**

Paramedic/EMT(s)  SKED/Backboard/C-Collar  Crew(s)  Burn Supplies  Oxygen  
 Trauma Bag  Medication(s)  IV/Fluid(s)  Cardiac Monitor/AED  
 Other (i.e. splints, rope rescue, wheeled litter)

**7. COMMUNICATIONS:**

- **Run Medical Emergency on Command** - **Coordinate with air ambulance on CALCORD tone 6**

**8. EVACUATION LOCATION:**

- **Lat/Long** (Datum WGS84) *EX: N 40 42.45' x W 123 03.24'* \_\_\_\_\_

- **Patient's ETA to Evacuation Location:** \_\_\_\_\_

- **Helispot/Extraction Size and Hazards:** \_\_\_\_\_

**9. CONTINGENCY:** If primary options fail, what actions can be implemented in conjunction with primary evacuation method? Be thinking ahead...

\_\_\_\_\_

\_\_\_\_\_

**REMEMBER:**

-Confirm ETA's of resources ordered -Act according to your level of training  
 -If air or ground ambulance is **DELAYED:** Package and transport patient to rendezvous with incoming Ambulance.  
 Re-route EMS helicopter to rendezvous point as appropriate.



# INCIDENT TRAINEE REGISTRATION FORM

Complete ALL fields and return to Training Specialist or DROP BOX for entry into database.

Remember to close out training packets with the Training Specialist before DEMOB.

## TRAINEE's DATA

Name (PRINT ): \_\_\_\_\_ ICS Trainee Position: \_\_\_\_\_

Request # (A,C,E,or O): \_\_\_\_\_ Agency Designator (Ex. CA-MNF): \_\_\_\_\_

USFS \_\_\_ State \_\_\_ BLM \_\_\_ BIA \_\_\_ NPS \_\_\_ FWS \_\_\_ Local Govt. \_\_\_ DOD \_\_\_ NWS \_\_\_

Is This A Regional Priority Assignment? Yes No Ordered as a Trainee? Yes No

Date Assigned: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

## TRAINING RECORDS TO BE MAILED TO: (Chief, Training Officer, ect)

Name: \_\_\_\_\_

Name of Home Unit: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_

Check to email copy of records to your home unit.

Training Officer's Email Address \_\_\_\_\_

## TRAINEE PREREQUISITES

1. Valid Red Card or agency certification card? \_\_\_\_\_ Yes \_\_\_\_\_ No

2. Trainee has current position task book issued by home unit? \_\_\_\_\_ Yes \_\_\_\_\_ No

Priority Open Tasks in PTB (You Want to Accomplish On This Incident)

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

## TRAINER/EVALUATOR DATA

Trainer/Evaluator Name: \_\_\_\_\_ ICS position on Incident \_\_\_\_\_

Home Unit: \_\_\_\_\_ Agency Designator(ex. CA-MNF): \_\_\_\_\_

Work Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_ Cell Phone: \_\_\_\_\_



**ACTIVITY LOG (ICS 214)**

<b>1. Incident Name:</b>		<b>2. Operational Period:</b> Date From: _____ Date To: _____ Time From: _____ Time To: _____	
<b>3. Name:</b>	<b>4. ICS Position:</b>	<b>5. Home Agency (and Unit):</b>	
<b>6. Resources Assigned:</b>			
Name	ICS Position	Home Agency (and Unit)	
<b>7. Activity Log:</b>			
Date/Time	Notable Activities		
<b>8. Prepared by: Name:</b> _____ <b>Position/Title:</b> _____ <b>Signature:</b> _____			
<b>ICS 214, Page 1</b>		<b>Date/Time:</b> _____	