

SPILLWAY DWR

CA-CDF-000114

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

2/17/2017 0600

to

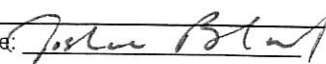
2/18/2017 0600



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: SPILLWAY DWR	2. Operational Period: Date From: 2/17/2017 Date To: 2/18/2017 Time From: 0600 Time To: 0600
3. Objective(s): 1. Provide for the protection of the public health and welfare, and for the safety of all first responders. 2. Maintain the integrity of Oroville Dam. 3. Continue to monitor and assess the damage to the Lake Oroville Spillway. 4. Ensure coordinated, timely, and accurate release of public information to all stakeholders: public, responding agencies and all agencies affiliated with the Department of Water Resources. 5. Maintain the operational availability of the Hyatt Power Plant. 6. Maintain the integrity and operational availability of the Thermalito Diversion Dam. <u>Control Objectives:</u> 1. Continue work to repair emergency spillway. 2. Validate readiness and implementation of mitigation measures. 3. Apply flood mitigation measures to protect the Hyatt Powerhouse. 4. Coordinate airspace within TFR.	
<u>General Situational Awareness:</u> (This section is currently blank)	
5. Site Safety Plan Required? Yes ___ No <u>X</u> Approved Site Safety Plan(s) Located at:	
6. Incident Action Plan X ICS 203 X ICS 208 X Weather Forecast X ICS 204 X ICS 220 X Security Memo X ICS 205 X ICS 214 X Facilities Map X ICS 205A X ICS 215A X ICP Map X ICS 206 X Finance Message	
7. Prepared By: Gabe Garcia Position/Title: PSC (T) Signature: <i>Gabe Garcia</i>	
8. Approved by Incident Commander: Signature: <i>Justin McGray I.C.G.</i>	
ICS 202	Date/Time 2/16/17 18:00

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: SPILLWAY DWR		2. Operational Period: Date From: 2/17/2017 Date To: 2/18/2017	
		Time From: 0600 Time To: 0600	
3. Incident Commander(s) and Command Staff:		7. Operation Section:	
IC/UC's	Kevin Lawson / Pat Whitlock / Kory Honea / Barry Biermann (T)	Chief	N. Truax / J. Berringer / T. Cobarrubia
Deputy	Justin McGough (T)	Deputy	J. Ohs / B. Cochran
Safety Officer	David Sargenti / Mike Parreira	Night Ops	C. Waters / S. Lawrence
Information Officer	Mike Smith / Chris Orrock	Staging Area	
Liaison Officer	Dennis Carreiro / Matt Murray	Branch	Director:
LE Liaison Officer	John McCammon / Bill Boyes	Division/Group	A G. Heart A.M. / M. Miller A.M. / P. Ghassemi P.M. / J. Bacher P.M.
4. Agency/Organization Representatives:		Division/Group	Z D. Ramsour A.M. / J. Personeni P.M.
Agency/Organization	Name	Division/Group	X E. Elliot A.M. / J. Sanner P.M.
Butte County OES	Cindy Dunsmoor	Division/Group	Power Line L. Enriquez A.M.
CalFire/Butte Co. Fire	Russ Fowler	Branch	Director:
OES Fire	Corey Zander	Division/Group	
Oroville P.D.	Allen Byers / Rob Buckhout	Division/Group	
CHP	Marc Stokes	Division/Group	
Yuba City F.D.	Pete Daley	Division/Group	
PG & E	Pam Perdue	Division/Group	
Army Corp of Engineers	Tyler Stalker	Branch	Director:
Oroville Hospital	Cooper Cunningham	Division/Group	
CAL Trans	Kirk Hemstalk	Division/Group	
State Parks	Aaron Wright	Division/Group	
California Fish & Wildlife	Carol Oz	Division/Group	
CCC	Jeremy Edwards	Division/Group	
FERC	Frank Blackett	Branch	Director:
Red Cross	Dave Willoughby	Division/Group	
5. Planning Section:		Division/Group	
Chief	Buddy Bloxham / Mark Hafner	Division/Group	
Deputy	Jeff Dapper (T)	Division/Group	
Resource Unit	Joshua Black / Matt Wood	Division/Group	
Situation Unit	Todd Tuggle / Kevin Robinson	Branch	Director:
Documentation Unit	Alyssa Stutz	Division/Group	
Demobilization Unit	Steve DeBenedet	Division/Group	
GIS Specialist	Chris Ingram	Division/Group	
Technical Specialist	Rob Scott / Matt Seybert	Division/Group	
		Division/Group	
6. Logistics Section		Air Operations Branch	
Chief	Geoff Pemberton / Wendy Underhill	Division/Group	Director: Matt Stanford
Deputy	Milford Ferguson		Shem Hawkins
Support Branch Director	Ken Dunn		
Facilities Unit	Rich Tovar	8. Finance/Administration Section:	
Ground Support Unit	Steve Langston / Chuck Saiz	Chief	Terry Eastwood / Jessica Roles
Hired Equipment Tech	Andy Whitlock	Deputy	Mara Zaver
Communications Unit	Kyle Johnson / Wendy Underhill	Time Unit	Patrick Aguada / Karen Cawthon
Medical Unit	Kris Yearly / Barbara Hollbrook	Procurement Unit	Jack Franklin / Deanna Butler
Food Unit	Wendy Underhill	Comp/Claims Unit	Matthew Boone / Anna Guevara
Motel Unit	Randy Diaz / Jerry Fernandez	Cost Unit	Lynne Esparza
Prepared By: Name:	Joshua Black	Signature:	
ICS 203		Date/Time:	2/16/2017 22:00



Spillway – DWR Assist Weather Forecast

FORECAST NO: 1

NAME OF INCIDENT: Spillway-DWR Assist

PREDICTION FOR: 0700 Fri - 0700 Sat
SHIFT DATE: Friday Feb 17, 2017

UNIT: CA-BTU

SIGNED:

TIME AND DATE

FORECAST ISSUED: 1900 2/16/17

Incident Meteorologist

Jason Clapp - Cell 530-383-4839

Weather Discussion: Cloudy with widespread showers today with snow levels around 5500 feet. Breezy easterly winds may impact helo operations and generate small waves on the lake pushing toward the Dam and spillway.

WEATHER FORECAST for Today:

	Lake Oroville	Feather River Basin (2000-5000 ft)
Weather	Cloudy with widespread moderate to occasionally heavy showers	Cloudy with widespread moderate to occasionally heavy showers
Highs	52 – 55	45 – 50
20 ft Winds	E 5-8 mph gusting to 12 mph After 1000, ENE 8-12 mph gusting 15-20 mph After 1400, ESE 5-8 mph gusting to 12 mph	
500 ft Winds	E 5-10 mph gusting to 15 mph After 1000, ENE 10-15 mph gusting 20-25 mph After 1400, ESE 5-10 mph gusting to 15 mph	
24 hr Precip	1 – 1.25 inches	1.2 – 1.4 inches
Snow Level	5500 ft	

WEATHER FORECAST for Saturday & Sunday: Variable cloudiness with lingering showers, especially over the Feather River Basin. Total precipitation 0.25-0.50 inches (highest amounts over Basin). Snow levels 5500 ft on Saturday, decreasing to 4500-5000 ft Sunday behind storm. Dam High temps 53-58 and lows in 45-50 at Dam. SE winds 5-10 mph with afternoon gusts to 15 mph. Overnight winds ENE 4-8 mph.

OUTLOOK for Sunday Night through Tuesday: Significant wet period with two waves and strong southerly winds. Precipitation totals are 4 - 4.5 inches at the Dam and 8 - 12 inches over the Basin. Snow levels: 5500-6000 feet into Monday morning, climbing toward 7000 feet by midday Monday, and then falling to 5000-5500 feet Monday night into Tuesday. SE winds 10 mph with gusts 15 mph Sunday night increasing S winds 15-25 mph gusting to 35-40 mph Monday morning and continuing throughout the day. Speeds slightly weaken on Tuesday.

10-Day Feather Basin Quantitative Precipitation Forecast (QPF)

Thursday, February 16, 2017

(each day ends at 0400 PST)

Day No.	Date		Precip (inches)	Snow Level (feet)	Average Daily*		
					Precip (inches)	Snow Depth (inches)	Min Temp (F)
	Tuesday, February 07, 2017		3.2	5,000			
	Wednesday, February 08, 2017		1.8	7,000			
	Thursday, February 09, 2017		2.8	7,500			
	Friday, February 10, 2017		3.4	6,500			
	Saturday, February 11, 2017		0.4	5,000			
	Sunday, February 12, 2017		0.0	5,000			
	Monday, February 13, 2017	Actual	0.0	8,500			
	Tuesday, February 14, 2017		0.0	8,500			
	Wednesday, February 15, 2017	↓	0.0	9,500			
	Thursday, February 16, 2017		0.1	8,500	0.23	2.1	26.3
Total observed:			11.7				
1	Friday, February 17, 2017	Forecast	1.1	5,000	0.23	2.1	26.4
2	Saturday, February 18, 2017		1.3	4,500	0.23	2.0	26.4
3	Sunday, February 19, 2017		0.3	4,500	0.23	2.0	26.6
4	Monday, February 20, 2017		1.1	4,500	0.23	1.9	26.7
5	Tuesday, February 21, 2017		4.2	5,500	0.23	1.9	26.8
6	Wednesday, February 22, 2017		0.9	3,500	0.23	1.8	26.9
7	Thursday, February 23, 2017		0.2	2,500	0.23	1.8	27.0
8	Friday, February 24, 2017		0.0	2,000	0.23	1.7	27.1
9	Saturday, February 25, 2017		0.0	2,000	0.23	1.7	27.2
10	Sunday, February 26, 2017		0.0	2,500	0.23	1.6	27.3
	Monday, February 27, 2017		0.0	2,500	0.23	1.6	27.4
10-Day Total:			9.1		2.31		
10-Day Percent of Normal:			395%				
Accumulated Observed Precip for WY 2017:			73.3	(WY 2016: 63.0)			

Comments:

Widespread, light to heavy precipitation is returning to the Feather Basin. A new series of storms, bringing periods of rain and snow, are forecasted to last into next week. The QPF has increased since yesterday, especially for early next week. Significant snowfall accumulation is expected in the Sierra. Strong, gusty winds are likely at times. A large degree of uncertainty exists for next week's forecast. The next update of this forecast will be about Friday, February 17, 2017, unless there are significant hydrologic changes.

Links:

- QPF from the CNRFC: <http://www.cnrfc.noaa.gov/awipsProducts/RNOHD6RSA.php>
- 7-Day Temp Forecast from the CNRFC: <http://www.cnrfc.noaa.gov/awipsProducts/RNOHFSFTA.php>
- 7-Day Temp Forecast from NWS, Reno: <http://www.wrh.noaa.gov/cnrfc/versprod.php?pil=SFT&sid=REV&version=0>
- 7-Day Temp Forecast from NWS, Medford: <http://www.wrh.noaa.gov/cnrfc/versprod.php?pil=SFT&sid=MFR&version=0>
- 7-Day Temp Forecast from NWS, Sac: <http://www.wrh.noaa.gov/cnrfc/versprod.php?pil=SFT&sid=STO&version=0>
- 6 - 10 Day Forecast from CPC: <http://www.cpc.ncep.noaa.gov/products/predictions/610day/>
- 8 - 14 Day Forecast from CPC: <http://www.cpc.ncep.noaa.gov/products/predictions/814day/>
- 14-Day Precip Forecast from COLA: <http://wxmaps.org/pix/prec1.html>
- 14-Day Temp Forecast from COLA: <http://wxmaps.org/pix/temp1.html>
- Monthly Temp & Precip Outlooks from CPC: http://www.cpc.ncep.noaa.gov/products/predictions/multi_season/13_seasonal_outlooks/color/churchill.php
- 1 Month Forecast from CPC: <http://www.cpc.noaa.gov/products/predictions/30day/index.php>

* Avg daily values (40 - 50 years) from Quincy, elev 3,400 ft; 30-day running average. Mean annual precip approx 40" (vs. 45" for Feather Basin)

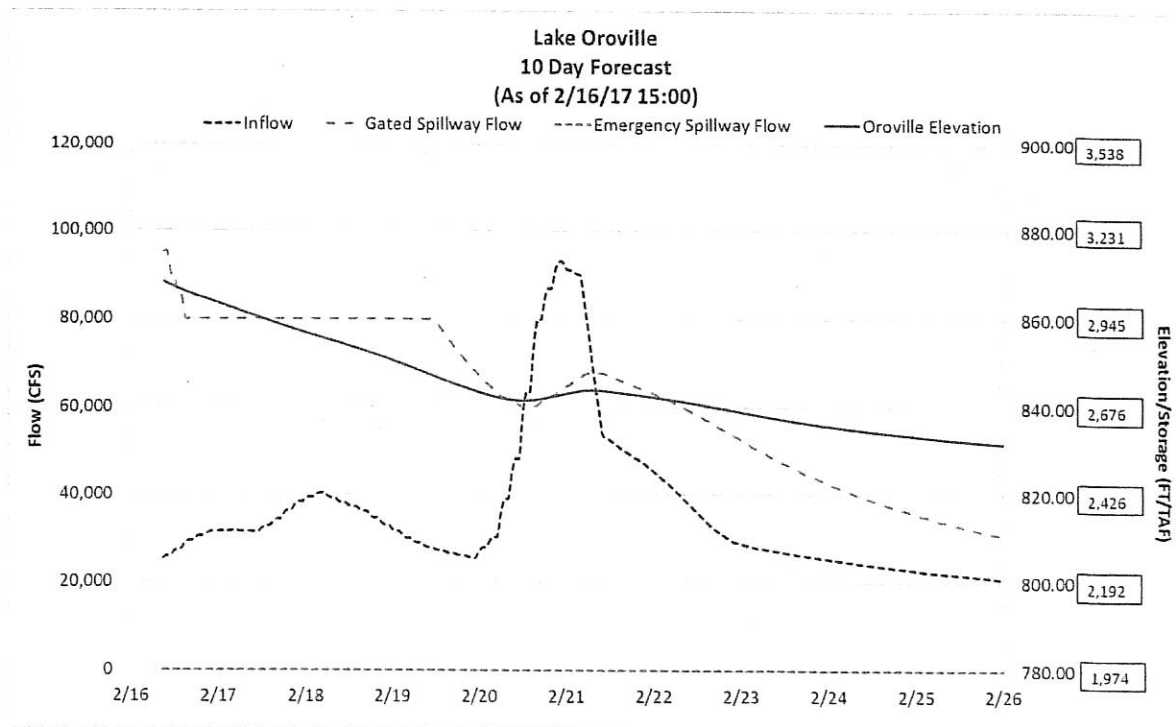
Water Operations Update Related to the Oroville Spillway Emergency

Incident Number: 2017-02-07	Operational Area OFD	SWP Facility: Oroville Spillway
Incident Type: Liner Damage	Latitude:	Longitude:
Incident Severity:	Storage (TAF): 3,030 (15:00)	Elevation (ft): 866.12 (15:00)
Status: Active	Vacant Space (TAF): 523 (15:00)	Encroachment (TAF): 242 (15:00)
Maintaining Office: DWR O&M	Inflow (cfs): 28,000 (15:00)	Total to Feather River (cfs): 102,000 (15:00)
	Gated Spillway Flow (cfs): 80,000 (15:00)	Hyatt Flow (cfs): 0 (15:00)
	Tailrace Elevation (ft): 254.24 (15:00)	Emergency Spillway Flow (cfs): 0 (15:00)
Field Division Contact: OFD ACC 530-534-2418	OCO Contact: POC 916-574-1960	

Most Recent Activity:

- [2017-02-16 09:00] Total flow to Feather River decreased from 100,000 cfs to 95,000 cfs
- [2017-02-16 11:00] Total flow to Feather River decreased from 95,000 cfs to 90,000 cfs
- [2017-02-16 13:00] Total flow to Feather River decreased from 90,000 cfs to 85,000 cfs
- [2017-02-16 15:00] Total flow to Feather River decreased from 85,000 cfs to 80,000 cfs

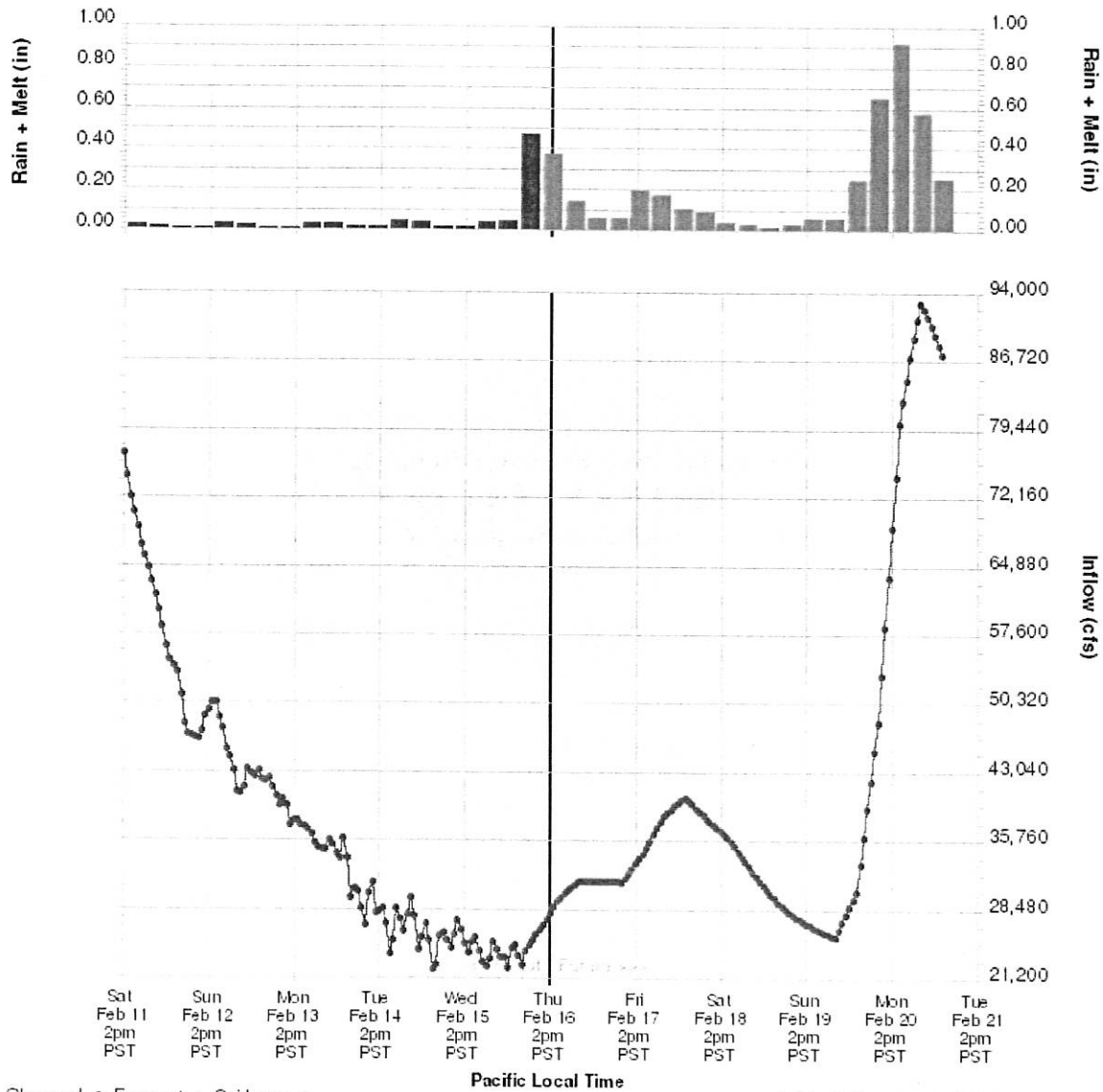
Lake Oroville Storage and Elevation Projection



Weather Forecast

	Quantitative Precipitation Forecast (inches)						Freezing Level (1000 ft)					
	2/16	2/17	2/18	2/19	2/20	2/21	2/16	2/17	2/18	2/19	2/20	2/21
Feather River Basin Average	0.8	1.4	0.3	1.1	4.1	1.1	6.2	5.7	5.4	5.7	6.3	5.0

Inflow Forecast



Observed • Forecast • Guidance •
 Created: 02/16/2017 at 2:12 PM PST (ORDCI Forecast Run Time = 2155Z)
 California Department of Water Resources
 NOAA / NWS / California Nevada River Forecast Center

- 1-day inflow volume decreased by 2 TAF
- 2-day inflow volume increased by 1 TAF
- 3-day inflow volume increased by 5 TAF
- 4-day inflow volume increased by 5 TAF
- 5-day inflow volume increased by 5 TAF



CAL FIRE INCIDENT MANAGEMENT TEAM 3



SAFETY MESSAGE	1. INCIDENT NAME: SPILLWAY	2. DATE PREPARED: February 16, 2017	3. TIME PREPARED: 1200
	4. PREPARED BY: David Brockman SOF1(T)	5. LEADER NAME: David Sargenti SOF1	6. OPERATIONAL PERIOD: 2/17/17 0600 TO 2/18/17 0600

SAFETY MESSAGE

COMPLACENCY

Self-Satisfaction especially when accompanied by unawareness of actual dangers or deficiencies

- Rain slick roads are throughout the incident, slow down when driving.
- Make sure everyone gets a briefing!
- Review the emergency signaling plan with your crews.
- Be aware of the changing weather and road conditions.
- Be careful around the incident base! Drive with CARE!
- Watch for heavy equipment they may not see you. Stay within designated areas.
- Be aware of changing road conditions due to the increase heavy equipment traffic.
- Make sure to wear the appropriate PPE for the current and predicted weather.

If you are looking for the person responsible for safety just look in the mirror.

EMERGENCY SIGNALING

- 1 QUICK BLAST = STOP WORK
- 2 QUICK BLAST = CONTINUE WORK
- 3 QUICK BLASTS = EVACUATE AREA
- 1 LONG BLAST = MEDICAL



INCIDENT RISK ANALYSIS ICS 215A



Branch	HAZARDOUS ACTIONS / CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
ALL	GENERAL SAFETY	<ul style="list-style-type: none"> • Ensure all personnel receive a safety briefing. • Maintain your situational awareness. • Maintain accountability of your crew and your resources. • Communicate any hazards that you encounter.
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> • Watch your speeds. • Drive defensively! Expect the unexpected. • Watch for local traffic and congestion. • Watch for pot holes forming due to heavy equipment traffic.
ALL	WEATHER	<ul style="list-style-type: none"> • Review your lightning plan. • Watch for changing weather conditions. • Allow extra time to arrive at your destination. • Be cautious of slick roadways. • Have appropriate PPE for the rain.
ALL	PERSONAL SAFETY	<ul style="list-style-type: none"> • All personnel are responsible for their personal safety. • Immediately report any suspicious activity. • Be sure to wear all needed or required safety equipment.
ALL	HYDRATION	<ul style="list-style-type: none"> • Drink water before, during and after each shift.
ALL	WATER HAZARD	<ul style="list-style-type: none"> • Be alert when working near or around moving water. • Wear appropriate PPE when near water. • Post look outs as needed.
ALL	FATIGUE	<ul style="list-style-type: none"> • Be alert for signs of fatigue and take breaks as necessary. • Monitor incoming resources for level of fatigue.
ALL	LOCAL RESIDENTS	<ul style="list-style-type: none"> • Watch for returning residents. • Evacuation order lowered to a "Evacuation Warning" • Watch for residents in and around work sites.
ALL	COMMUNICATIONS	<ul style="list-style-type: none"> • Check the communication plan for changes. • Be clear and concise when talking on the radio. • Use human repeaters as needed.
ALL	BRIEFINGS	<ul style="list-style-type: none"> • Make sure everyone gets a briefing on the plan for the day. • Document on your 214. • Brief your crews on the Emergency Signaling Plan.
ALL	LCES	<ul style="list-style-type: none"> • Ensure that LCES is being utilized.
ALL	HELICOPTER AWARENESS	<ul style="list-style-type: none"> • Be aware of rotor wash when working near helicopters. • Keep eyes open for overhead loads. • Stay clear of helicopter landing zones. • Monitor assigned aircraft frequencies. • Watch for falling debris from loads.
ALL	HEAVY EQUIPMENT	<ul style="list-style-type: none"> • Be aware of heavy equipment working in the area. • Be watchful around heavy equipment, they may not see you.
INCIDENT NAME: SPILLWAY		DATE PREPARED: 2/16/2017 Prepared By: David Brockman
		OPERATIONAL PERIOD 2/17/17 – 2/18/2017 0600-0600

DRK

In readiness is all

Department of Water Resources

Oroville Field Division

SECURITY MESSAGE

Employees and Contractors must be mindful that information used on a daily basis should be considered *SENSITIVE*. Certain actions are Prohibited.

- Assigned personnel *SHALL NOT* take unauthorized photos or video at Oroville Field Division (OFD)
- All work related photos, documents, drawings, or video, etc. are for Departmental use only and will remain the property of the Department of Water Resources
- Photos or video of critical infrastructure, sensitive areas, or information are not to be captured on personal cell phones, cameras, or other personal devices

THE SHARING OF SENSITIVE OFD INFORMATION ON SOCIAL MEDIA SITES IS FORBIDDEN.

Source Document: OFD Security Memo No. 1

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Spillway DWR		2. Operational Period: Date From: 02/17/17 Date To: 02/18/17 Time From: 0600 Time To: 0600		3. Branch: Division: A Group: Page 1 of 2 Staging Area:	
4. Operations Personnel: Operations Section Chief: <u>Day: N. Traux / J. Berringer / T. Cobarrubia*</u> <u>Night: C. Waters / S. Lawrence*</u> Division/Group Supervisor: <u>G. Heart* A.M. / M. Miller* A.M.</u> <u>J Bacher* P.M. / P. Ghassemi* P.M.</u>					
5. Resources Assigned:		# of Persons	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	
Resource Identifier	Leader				
Excavator				DP 1 @ 0600	
Excavator				DP 1 @ 0600	
Excavator				DP 1 @ 0600	
Excavator				DP 1 @ 0600	
Excavator				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
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30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
30 CY Heavy Dump				DP 1 @ 0600	
Grader				DP 1 @ 0600	
Loader				DP 1 @ 0600	
Loader				DP 1 @ 0600	
Loader				DP 1 @ 0600	
6. Work Assignments: Stage rock and sand for erosion repair on auxiliary spillway. Stage excavators on access road on the left side of the tailrace. Begin dredging operations. Continue flood mitigation within powerhouse. *Denotes a 12 hour resource.					
7. Special Instructions: Monitors with a safety officer will be moving in and out of divisions and will notify division supervisors.					
8. Communications (radio and/or phone contact numbers needed for this assignment):					
Name		/ Function Primary Contact: indicate cell, pager, or radio (frequency/system/channel)			
		/			
		/ SEE COMMUNICATIONS PLAN (ICS 205 pages 16-17)			
		/			
		/			
9. Prepared by: Name: Joshua Black Position/Title: RESL Signature:					
ICS 204				Date/Time: 02/16/17 2200	

AIR OPERATIONS SUMMARY

OPERATIONAL PERIOD DATE: 2/17/17

START: 0733 END: 1711

SUNRISE: 0703 SUNSET: 1741

1. INCIDENT NAME: Spillway DWR	2. PREPARED BY: Matt Stanford	3. # OF COPIES NEEDED:	
4. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):			
<p>TFR may not be staffed with aerial supervision. Make blind calls at 7 and 12 miles prior to entering the TFR</p> <p>GPS settings: hddd°mm.mmm' with WGS 84 selected as the map datum.</p>			
5. TFR:			
Center: Polygon			
Latitude: See FAA website for			
Longitude: current TFR			
Radius:			
Altitude: From the surface up to and including 4500 feet MSL			

7. FREQUENCIES				8. FIXED WING	
Phone	AM	FM	# Avail / Type/ Make-Model / FAA N# / Base(s)		
AOBD: Matt Stanford	951-545-8205	AIR/AIR FW: 124.775	151.2950	AIRTANKERS	
ASGS: Shem Hawkins	530-990-5128	AIR/AIR RW: 124.775		LEADPLANES	
		AIR BRIEFING			
ATGS:		AIR/GROUND TACTICAL	CDF T18 159.3450	AIR TACTICAL PLATFORMS	
HEBM: Chris Vatcher	530-895-6505	DECK:		TFR Freqs. 124.775	
1		TOLC:			
5		COMMAND:	See IAP for command		
HLCO:		Air Guard	168.625 Tone 1	PILOT MAP:	
Dispatch Aircraft Desk					

9. HELICOPTERS (Use Additional Sheets as Necessary)

FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS	FAA N#	TY	MAKE/MODEL	BASE	AVAIL	START	REMARKS
Copter 205	2	UH1H	Chico	0900	0900	Hoist							
Enloe Flt	3	Astar	Chico			24 hrs EMS							
CHP H20	3	Astar	Auburn			Day Hoist EMS							

10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed; Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

TYPE/FUNCTION	NAME OF PERSONNEL OR CARGO (if applicable) OR INSTRUCTIONS FOR TACTICAL AIRCRAFT	MISSION START	FLY FROM	FLY TO
Recon				
Water Drops/Retard.				
Personnel Transport				
Logistics				

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name Spillway DWR			Date/Time Prepared 2/16/2017 1715			Operational Period Date/Time 2/17/2017 0600-0600	
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks
1	DWR CMD	BLOOMER	DWR	159.2550 N	141.3	151.2350 N	141.3	A	DWR COMMAND - KD9257
2									
3									
4	DWR OPS	CMD C-C 235	DWR	151.2350 N	141.3	151.2350 N	141.3	A	DWR TACTICAL - KD9257
5									
6	DWR TAC	HORSE	DWR	151.2050 N	107.2	159.2400 N	141.3	A	DWR TACTICAL - KD9257
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Prepared By (Communications Unit)

Wendy Underhill, LOGS *Wendy Underhill*

Incident Location
Oroville Dam

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.

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name Spillway DWR			Date/Time Prepared 2/16/2017 1715		Operational Period Date/Time 2/17/2017 0600-0600		
Ch #	Function	Channel Name/Trunked Radio System Talkgroup	Assignment	RX Freq N or W	RX Tone/NAC	TX Freq N or W	Tx Tone/NAC	Mode A, D or M	Remarks
1	Command	CDF CMD 7	All Divisions	151.4600 N	103.5 (8)	159.3900 N	123.0 (2)	A	TONE 2
2	Command	BTU LOCAL	All Divisions	151.4000 N	110.9 (1)	159.3750 N		A	BTU LOCAL TONE 10
3	Command	BTU SUPP	All Divisions	154.4150 N	123.0 (2)	159.0000 N		A	OST
4	DWR CMD	BLOOMER	DWR	159.2350 N	141.3 (13)	151.2550 N	141.3 (13)	A	DWR CMD FREQUENCY
5	Tactical	CDF TAC 27	Unassigned	159.3075 N	192.8 (16)	159.3075 N	192.8 (16)	A	
6	Tactical	CDF TAC 28	Unassigned	151.1825 N	192.8 (16)	151.1825 N	192.8 (16)	A	
7	Tactical	CALCORD	All Divisions	156.0750 N	156.7 (6)	156.0750 N	156.7 (6)	A	EMS ON INCIDENT
8	DWR TAC	C-C 235	DWR	151.2350 N	141.3 (13)	151.2350 N	141.3 (13)	A	DWR TAC FREQUENCY
9	DWR TAC	HORSE	DWR	159.2400 N	141.3 (13)	151.2050 N	107.2 (10)	A	DWR TAC FREQUENCY
10									
11									
12									
13									
14	Air To Ground	CDF TAC 18	All Divisions	159.3450 N	192.8 (16)	159.3450 N	192.8 (16)	A	
15									
16	Emergency	Air Guard	All Branches	168.6250 N		168.6250 N	110.9 (1)	A	EMERGENCIES ONLY
17									
18									
19									
20	Emergency	Air Guard	All Branches	168.6250 N		168.6250 N	110.9 (1)	A	EMERGENCIES ONLY

Prepared By (Communications Unit)

KYLE JOHNSON - COM1 TEAM 3 *Kyle Johnson*

Incident Location
Oroville Dam

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.

COMMUNICATIONS LIST (ICS 205A)

1. Incident Name: Spillway DWR	2. Operational Period: Date From: 2/17/17 Date To: 2/18/17 Time From: 0600 Time To: 0600	
3. Basic Local Communications Information: Department of Water Resources		
Incident Assigned Position	Name	Method(s) of Contact
INCIDENT COMMANDER - DAY	Pat Whitlock	530-990-4300
INCIDENT COMMANDER - NIGHT	Bruce Jones	530-712-7386
INCIDENT COMMANDER - NIGHT	Doug Mcelvain	661-333-4104
INCIDENT COMMAND SUPPORT - DAY	Joel Ledesma	916-849-4779
INCIDENT COMMAND SUPPORT - NIGHT	Behzad Soltanzadeh	916-425-4815
SECURITY OFFICER - DAY	Roger Baker	530-990-1775
SECURITY OFFICER - NIGHT	Curtis Green	909-809-7117
SAFETY OFFICER - DAY	Mike Parreira	559-836-2959
LIAISON OFFICER - DAY	Matt Murray	530-321-6035
PUBLIC INFORMATION OFFICER - DAY	Eric See	530-900-8804
PUBLIC INFORMATION OFFICER - DAY	Kevin Dossey	530-521-3503
PUBLIC INFORMATION OFFICER - NIGHT	Chris Orraock	916-690-5498
PUBLIC INFORMATION OFFICER - NIGHT	Lauren Hersh	916-849-9022
PUBLIC INFORMATION OFFICER - DAY	Maryanne Ciaraglia	916-425-0899
PUBLIC INFORMATION OFFICER - NIGHT	Reyna Reys	916-494-1421
OPERATIONS SECTION CHIEF - DAY	Bill Cochran	530-538-4748
OPERATIONS SECTION CHIEF - DAY	Tom Cobarrubia	916-502-3060
OPERATIONS SECTION CHIEF - NIGHT	Seth Lawrence	530-840-0253
MONITORING STRIKE TEAMS - DAY	Dave Panec	916-653-0772
STAGING AREA MANAGER - DAY	John Personeni	916-539-7726
FLOATING DEBRIS REMOVAL STRIKE TEAM - DAY	Ed Elliott	530-520-4582
SYBLON AND REID STRIKE TEAM - DAY	Dan Ramsour	916-217-6733
DAM SURVEILLANCE GROUP - DAY	Ryan Cooper	916-709-7756
PLANNING SECTION CHIEF - DAY	Mark Hafner	530-401-8564
PLANNING SECTION CHIEF - NIGHT	Phil LeCocq	916-402-7273
RESOURCE UNIT LEADER - DAY	Ravi Sharma	916-709-7756
SITUATION UNIT LEADER - DAY	Kevin Robinson	916-642-3115
SITUATION UNIT LEADER	Ryan MacTarnaghan	916-801-6050
DOCUMENTATION UNIT LEADER - DAY	Alyssa Stutz	530-592-9832
DOCUMENTATION UNIT LEADER - NIGHT	Scott Kennedy	530-524-4164
LOGISTICS SECTION CHIEF - DAY	Wendy Underhill	530-448-7247
LOGISTICS SECTION CHIEF - NIGHT	Richard Jones	661-400-0321
SUPPORT BRANCH DIRECTOR - DAY	Ken Dunn	530-521-8487
MONITORING STRIKE TEAMS - DAY	Dave Panec	916-653-0772
4. Prepared by: Name: <u>WENDY UNDERHILL</u> Position/Title: <u>LOGS</u> Signature: <i>Richard Jones</i>		
ICS 205A		Date/Time: <u>2/16/17 1645</u>

COMMUNICATIONS LIST (ICS 205A)

1. Incident Name: Spillway DWR	2. Operational Period: Date From: 2/17/17 Date To: 2/18/17 Time From: 0600 Time To: 0600	
3. Basic Local Communications Information: CALFIRE IMT #3		
Incident Assigned Position	Name	Method of Contact
INCIDENT COMMANDER	KEVIN LAWSON	(619) 892-1195
INCIDENT COMMANDER	BARRY BIERMANN	(707) 529-9689
INCIDENT COMMANDER	JUSTIN MCGOUGH (T)	(951) 840-8155
OPERATIONS SECTION CHIEF	NICK TRUAX	(530) 448-2405
OPERATIONS SECTION CHIEF	JEFF OHS	(909) 214-8083
OPERATIONS BRANCH DIR	SEAN NORMAN	(530) 864-5903
OPERATIONS BRANCH DIR	CHRIS WATERS	(559) 281-4308
OPERATIONS BRANCH DIR	GEORGE CASARIO (T)	(714) 469-3420
SAFETY OFFICER	DAVID SARGENTI	(831) 596-4724
SAFETY OFFICER	DAVID BROCKMAN	(530) 682-2522
LIASON OFFICER	DENNIS CARREIRO	(831) 594-8612
LIASON OFFICER	MIKE MARTIN	(408) 472-1614
PUBLIC INFO OFFICER	MIKE SMITH	(951) 232-4049
PUBLIC INFO OFFICER	LUCAS SPELMAN	(951) 347-3034
PUBLIC INFO OFFICER	DAN OLSON	(951) 837-1615
PUBLIC INFO OFFICER	JOSH JANSSEN	(951) 830-8120
PUBLIC INFO OFFICER	RICHARD CORDOVA	(951) 337-3673
LAW ENFORCEMENT LIASON	BILL BOYES	(530) 604-5985
AIR OPS BRANCH DIRECTOR	MATT STANFORD	(951) 545-8205
AIR SUPPORT GROUP SUP	SHEM HAWKINS	(530) 990-5128
FIRE BEHAVIOR ANALYST	JON HEGGIE	(619) 820-9481
GIS	CHRIS INGRAM	(510) 427-2671
TRAINING TECH/SPEC	ROB SCOTT	(949) 292-3207
TRAINING TECH/SPEC	MATT SEYBERT	(714) 875-4040
PLANS SECTION CHIEF	BUDDY BLOXHAM	(831) 236-5659
SITUATION UNIT LEADER	TODD TUGGLE	(559) 760-3879
SITUATION UNIT LEADER	JOSH BLACK (T)	(619) 609-3413
SITUATION UNIT LEADER	GABE GARCIA	(916) 300-2170
RESOURCE UNIT LEADER	SHANNON JOHNSON	(530) 448-2497
RESOURCE UNIT LEADER	LEONEL PLATA	(559) 246-9225
RESOURCE UNIT LEADER	JEFF DAPPER (T)	(909) 286-6450
DEMOB UNIT LEADER	STEVE DEBENEDET	(530) 708-2792
4. Prepared by: Name: <u>KYLE JOHNSON</u> Position/Title: <u>COML</u> Signature: 		
ICS 205A		Date/Time: <u>2/16/17 1615</u>



MEDICAL PLAN

1. INCIDENT NAME
**SPILLWAY DWR
 CA-CDF-000114**

2. DATE PREPARED
 2/16/17

3. TIME PREPARED
 1500
 HOURS

4. OPERATIONAL PERIOD
 2/17/17
 0600-0600

5. INCIDENT MEDICAL AID STATIONS

MEDICAL AID STATIONS	LOCATION	PARAMEDICS	
		YES	NO
DWR OPERATIONS CENTER	460 GLEN DR OROVILLE, CA 95966		XX

6. TRANSPORTATION

A. Air Ambulances

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Enloe FlightCare	1531 Esplanade Chico, CA 95926	911	XX	

B. Ground Ambulances

NAME	ADDRESS	PHONE	PARAMEDICS	
			YES	NO
Butte County EMS - Oroville	1531 Esplanade Chico, CA 95926	911	XX	

7. HOSPITALS

NAME	ADDRESS	TRAVEL TIME		PHONE	HELIPAD		BURN CENTER	
		AIR	GRND		YES	NO	YES	NO
Oroville Hospital	2767 Olive Hwy Oroville, CA	2 min	8 min	530-533-8500	XX			XX
Orchard Hospital	240 Spruce St Gridley, CA	15 min	30 min	530-846-9000		XX		XX
Enloe Medical Center - Trauma	1531 Esplanade Chico, CA	15 min	36 min	530-332-7300	XX			XX
U. C. Davis Hospital	2315 STOCKTON BLVD, SACRAMENTO, CA	45 min	1.5 hrs	916-734-2011	XX		XX	

8. MEDICAL EMERGENCY PROCEDURES

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

- Division Supervisor contacts:
 - 911
 - ACC – Area Control Center - (530) 534-2499
- ACC contacts.
 - Medical Unit
 - Safety Officer
 - Operations
- Notify Safety Officer, Day or Night OPS
- Safety or OPS will respond and run the incident as necessary

BASE EMERGENCY: Contact 911. Notify the Medical Unit with patient complaint/condition and location. Medical Staff will respond to stabilize incident.

INJURY REPORTING PROCEDURES

NATURE OF INJURY _____

LOCATION OF PATIENT _____

TRANSPORTATION REQUESTED BY: AIR ___ GROUND ___

POINT OF PICKUP _____

LAT _____ LONG _____

PATIENT UNIT ID _____
REMINDER: DO NOT GIVE PT NAME OVER RADIO

AGE _____

SEX: MALE ___ FEMALE ___

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

Medical Unit (530) 215-8222

ICS 206 8-78	9. PREPARED BY (MEDICAL UNIT LEADER) Kris Yeary, MEDL <i>[Signature]</i>	10. REVIEWED BY (SAFETY OFFICER) Dave Sargenti, SOFR <i>[Signature]</i>
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PUBLIC INFORMATION SECTION



Incident Information Line: (530) 538-7826

Incident Media Line: (530) 268-5869

STATUS	
Incident Start Date: 02/07/2017	Incident Start Time: 2:00 PM
Incident Type: Northern Winter Storms	Description: Damage to the Oroville Spillway
Incident Location: Oroville Dam, Canyon Dr. & Oroville Dam Rd, Oroville, CA 95966	

MEDIA – The California State Penal Code Section 409.5(d) allows the news media to enter scenes of disaster, riot or civil disturbance. Properly identified members of the news media should not be restricted from entering locations specified within the code. However, this does not include crime scenes, private property and does not imply that the news media may interfere with incident operations while they are in the areas of concern. You can get further information about Penal Code Section 409.5(d) at <http://www.leginfo.ca.gov/cgi-bin/displaycode?section=pen&group=00001-01000&file=403-420.1>

PHOTOGRAPHS AND VIDEOS OF INCIDENT – We are in a new era of media. Media no longer means news/broadcast industry, but now refers to anyone that has the capability to shoot video, photographs and post them onto social media sites in a matter of minutes. Unfortunately, we have seen some instances of photographs or videos that have depicted unsafe, unprofessional or embarrassing circumstances which are a serious breach of ethics. When this happens, it reflects poorly on all that are attached to this incident. Posting an inappropriate video, photo or blog comment could expose oneself to unwanted ramifications. It may be unsafe to shoot photos or video and a firefighter who is concentrating on a camera loses their situational awareness.

The Public Information Office would like copies of the video and pictures that you safely took while not in an emergency situation, fire suppression activity or in an overhead assignment. Bring your video and pictures to the Public Information trailer; they will be reviewed and possibly uploaded to our many CAL FIRE social media sites. Remember, we don't want photographs or videos that depict unsafe, unprofessional or embarrassing circumstances, which are a serious breach of ethics. You can also send your photographs and videos to the following email "Richard.Cordova@fire.ca.gov".

LOST AND FOUND – The Information Section will manage lost and found items for the incident. If you have lost an item please leave your contact information and what you have lost at the Information Section. If you have found an item on the incident, bring the item to the Information Section with your contact information as well.

In readiness is all

Finance Message

2/17/2017

DWR staff needs to complete their DWR 208 time sheets daily and ICS-214 Activity Logs weekly and submit in the black box in the lobby.

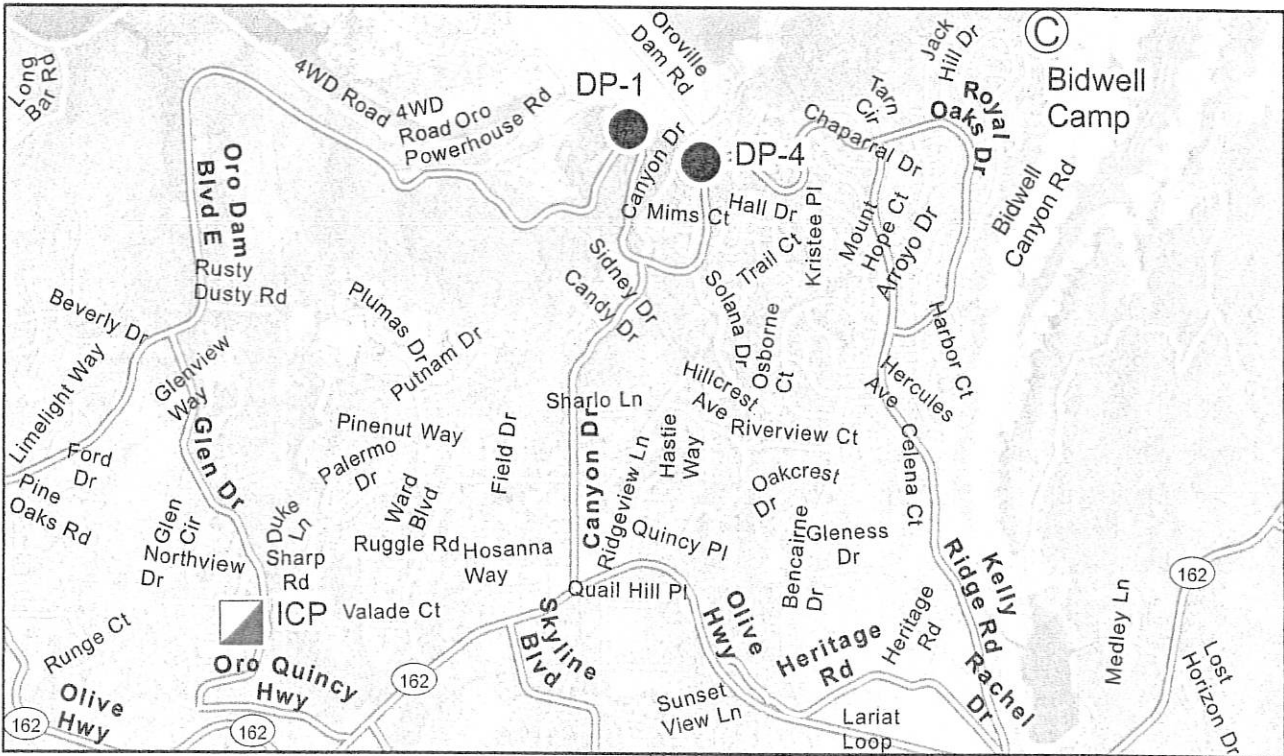
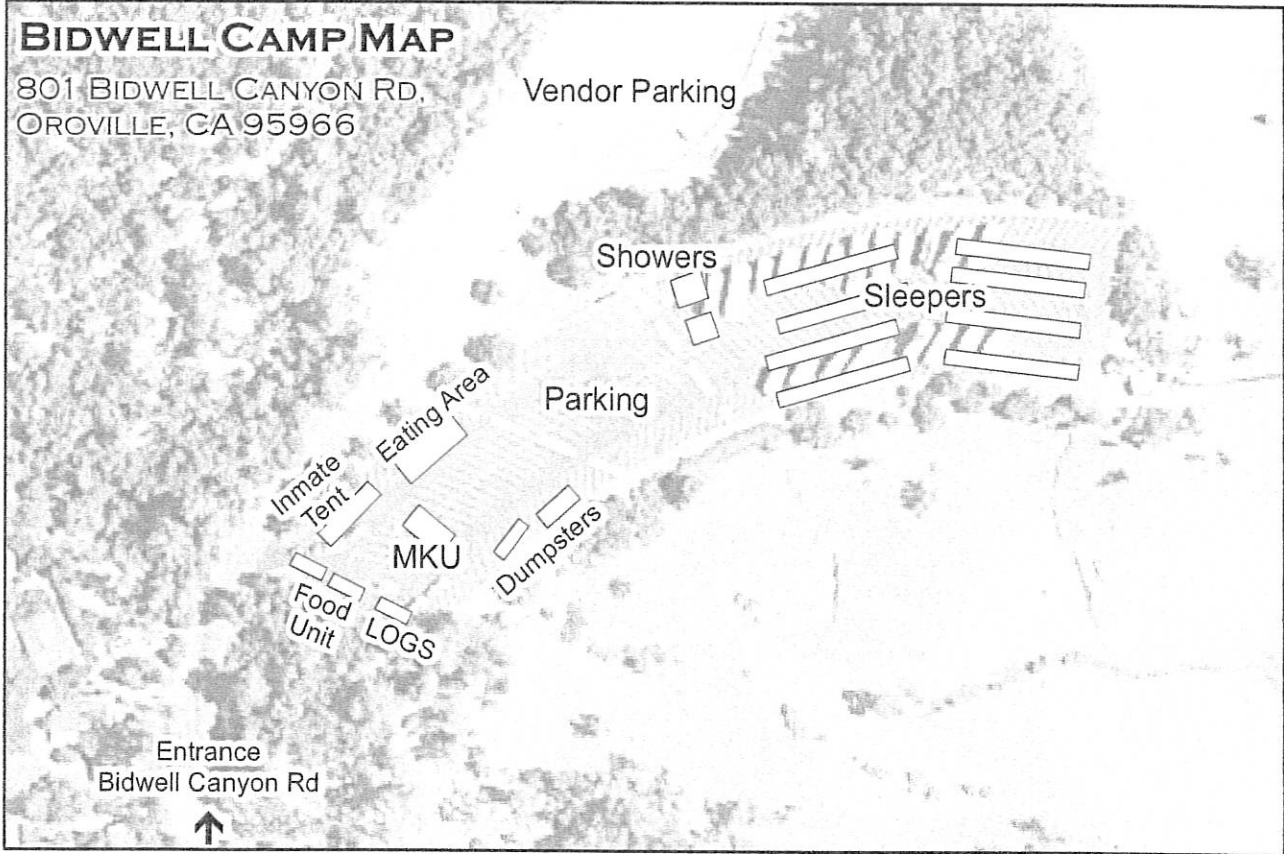
CAL FIRE - Continue to check in with the time Unit to update your FC33's

DWR staff with hotel rates over \$90 requires an approved "Excess Lodging Rate Request/Approval STD 255c" attached to their travel expense claim. A supply of forms are available at the Admin Building lobby counter. These forms require your Division Chief approval. Please submit all requests to Jessica Roles. She will insure they get to the appropriate Division Chief for approval

Jessica Roles, FSC

BIDWELL CAMP MAP

801 BIDWELL CANYON RD,
OROVILLE, CA 95966

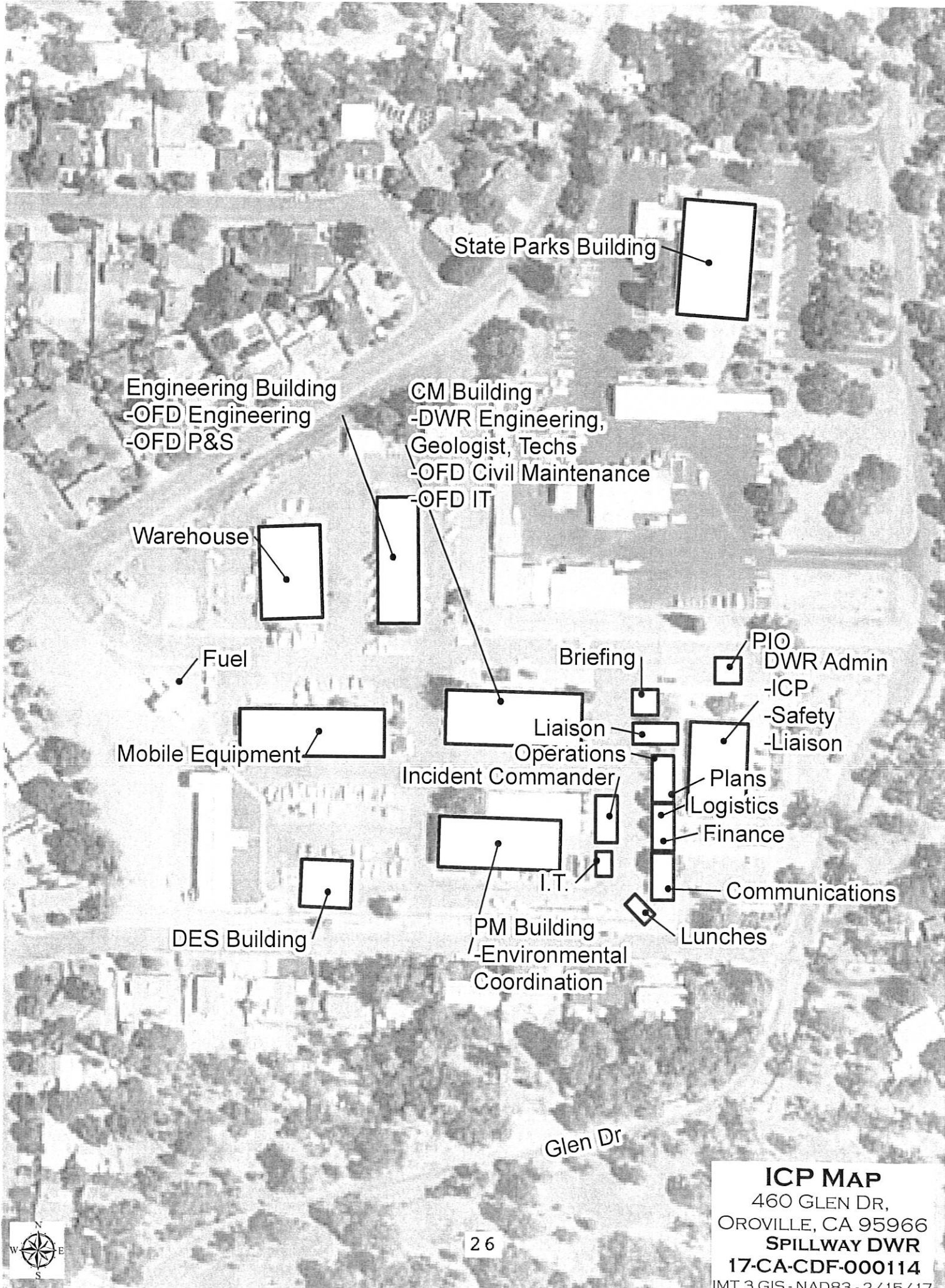


Directions from ICP to Bidwell Camp:

- Turn right onto Glen Dr, Turn left onto Oroville-Quincy Hwy
- Turn left onto CA-162 E, Turn left onto Kelly Ridge Rd
- Turn right onto Arroyo Dr, Turn left onto Bidwell Canyon
- Take to the end of the road.



TRAVEL MAP
SPILLWAY DWR
17-CA-CDF-000114
 IMT 3 GIS - NAD83 - 2/13/17



State Parks Building

Engineering Building
-OFD Engineering
-OFD P&S

CM Building
-DWR Engineering,
Geologist, Techs
-OFD Civil Maintenance
-OFD IT

Warehouse

Fuel

Mobile Equipment

Incident Commander

Liaison

Operations

I.T.

PM Building
-Environmental
Coordination

Briefing

PIO
DWR Admin

-ICP
-Safety
-Liaison

Plans

Logistics

Finance

Communications

Lunches

DES Building

Glen Dr



