

* CORRECTED *

SPILLWAY DWR

CA-CDF-000114

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

2/20/2017 0600

to


2/21/2017 0600



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: SPILLWAY DWR	2. Operational Period: Date From: 2/20/2017 Date To: 2/21/2017 Time From: 0600 Time To: 0600
3. Objective(s): <u>Management Objectives:</u> 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> 	
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 MCGowan I.C.(4)</i>	
ICS 202	Date/Time 2/19/17 18:00

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: SPILLWAY DWR		2. Operational Period: Date From: 2/20/2017 Date To: 2/21/2017 Time From: 0600 Time To: 0600	
3. Incident Commander(s) and Command Staff:		7. Operation Section:	
IC/UC's	Kevin Lawson / P. Whitlock / Kory Honea / Barry Biermann (T)	Chief	N. Truax / T. Cobarrubia
Deputy	Justin McGough / B. Soltanzadeh	Deputy	J. Ohs
Safety Officer	David Sargenti / Mike Parreira	Night Ops	G. Casario / N. Smith
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 C. Buttler 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	Division/Group	Dredging M. Miller
OES Fire	Corey Zander	Branch	Director:
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 / Alfred Macias	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	Director: Matt Stanford
Chief	Geoff Pemberton / Wendy Underhill	Division/Group	Shem Hawkins
Deputy	Milford Ferguson		
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	Mark Chadwick / Kris Yeary	Time Unit	Patrick Aguada / Karen Cawthon
Medical Unit	Kris Yeary / Bill Collin	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:	2/19/2017 22:00



Incident Weather Forecast



FORECAST NO: 4

NAME OF INCIDENT: Spillway DWR

PREDICTION FOR: 0600 Mon - 0600 Tue
SHIFT DATE: Monday Feb 20, 2017

UNIT: CA-BTU
SIGNED: *J M Clapp*

TIME AND DATE
FORECAST ISSUED: 1800 2/19/17

Incident Meteorologist
Jason Clapp - Cell 530-383-4839

**...STRONG WINDS TODAY AND TONIGHT...
AREA FLOOD WARNING – Valid through Wednesday...**

Weather Discussion: Very moist weather system today into Tuesday with widespread moderate to occasional heavy rain and snow. Snow levels will increase to 6000 ft today and then decrease by Tuesday. Strong winds will likely shutdown aviation today and at least early Tuesday. The upper low lingers around the Pacific Northwest Coast through the work week and keeps the area under a threat of precipitation.

WEATHER FORECAST for Today (Monday):

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)
Weather	Cloudy with widespread moderate rain	Cloudy widespread mod-heavy rain/snow
Highs	51 – 54	32 – 45
20 ft Winds	SSE winds 20-30 mph gusting to 30-40 mph Late afternoon-evening gusts to 55 mph,	
500 ft Winds	S winds 30-35 mph gusting to 40-50 mph Late afternoon-evening gusts to 60 mph,	
24 hr Precip	2-3 inches	5-7 inches
Snow Level	4500 ft increasing to 6000 ft by noon, then dropping to 4000 ft overnight	

WEATHER FORECAST for Tuesday:

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)
Weather	Cloudy with widespread showers Chance afternoon T-storms	Cloudy with widespread showers
Highs	52 – 55	30 – 43
20 ft Winds	SSE winds 20-30 mph gusting to 35-45 mph lowering 10-15 with gusts 20-30 mph in afternoon	
500 ft Winds	S winds 30-35 mph gusting to 40-50 mph lowering 25 mph gusting 35 mph late aftn	
24 hr Precip	0.50 - 1 inch	1 - 3 inches
Snow Level	4000 - 4500 ft	

**OUTLOOK FORECAST for Wednesday – Friday:
Area-wide Flood Warning continues through Wednesday**

Upper low stalling over northern CA and continues chance of showers over the area with a chance of afternoon thunderstorms Wednesday. A chance of rain and snow returns Friday as another wave move through the area. Lower snow levels of around 2500-3500 ft dominate the latter portion of the week. SW to NW winds becoming much lighter Wednesday into Friday, but still gusty at times.

10-Day Feather Basin Quantitative Precipitation Forecast (QPF)

Sunday, February 19, 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)
	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		0.0	8,500			
	Tuesday, February 14, 2017		0.0	8,500			
	Wednesday, February 15, 2017	Actual	0.0	9,500			
	Thursday, February 16, 2017		0.1	8,500			
	Friday, February 17, 2017		0.9	5,000			
	Saturday, February 18, 2017		1.6	4,500			
	Sunday, February 19, 2017	↓	1.1	4,500	0.23	2.0	26.6
Total observed:			7.5				
1	Monday, February 20, 2017	Forecast	1.5	4,500	0.23	1.9	26.7
2	Tuesday, February 21, 2017		4.3	5,500	0.23	1.9	26.8
3	Wednesday, February 22, 2017		0.8	3,500	0.23	1.8	26.9
4	Thursday, February 23, 2017		0.1	2,000	0.23	1.8	27.0
5	Friday, February 24, 2017		0.0	1,500	0.23	1.7	27.1
6	Saturday, February 25, 2017		0.2	1,500	0.23	1.7	27.2
7	Sunday, February 26, 2017		0.5	3,000	0.23	1.6	27.3
8	Monday, February 27, 2017		0.2	2,500	0.23	1.6	27.4
9	Tuesday, February 28, 2017		0.1	2,000	0.23	1.5	27.5
10	Wednesday, March 01, 2017		↓	0.0	2,000	0.22	1.5
	Thursday, March 02, 2017		0.0	2,000	0.22	1.4	27.7
10-Day Total:			7.7		2.28		
10-Day Percent of Normal:			338%				
Accumulated Observed Precip for WY 2017:			76.9	(WY 2016: 63.0)			

Comments:

Widespread, moderate to heavy precipitation is forecasted to continue for the Feather Basin. A series of storms, bringing periods of rain and snow to the region, are expected to last into next week. Significant snowfall accumulation is expected in the Sierra. Strong, gusty winds are likely at times. A degree of uncertainty exists for next week's forecast. The next update of this forecast will be about Monday, February 20, 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&aid=REV&version=0>
- 7-Day Temp Forecast from NWS, Medford: <http://www.wrh.noaa.gov/cnrfc/versprod.php?pil=SFT&aid=MFR&version=0>
- 7-Day Temp Forecast from NWS, Sac: <http://www.wrh.noaa.gov/cnrfc/versprod.php?pil=SFT&aid=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/bix/prec1.html>
- 14-Day Temp Forecast from COLA: <http://wxmaps.org/bix/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)

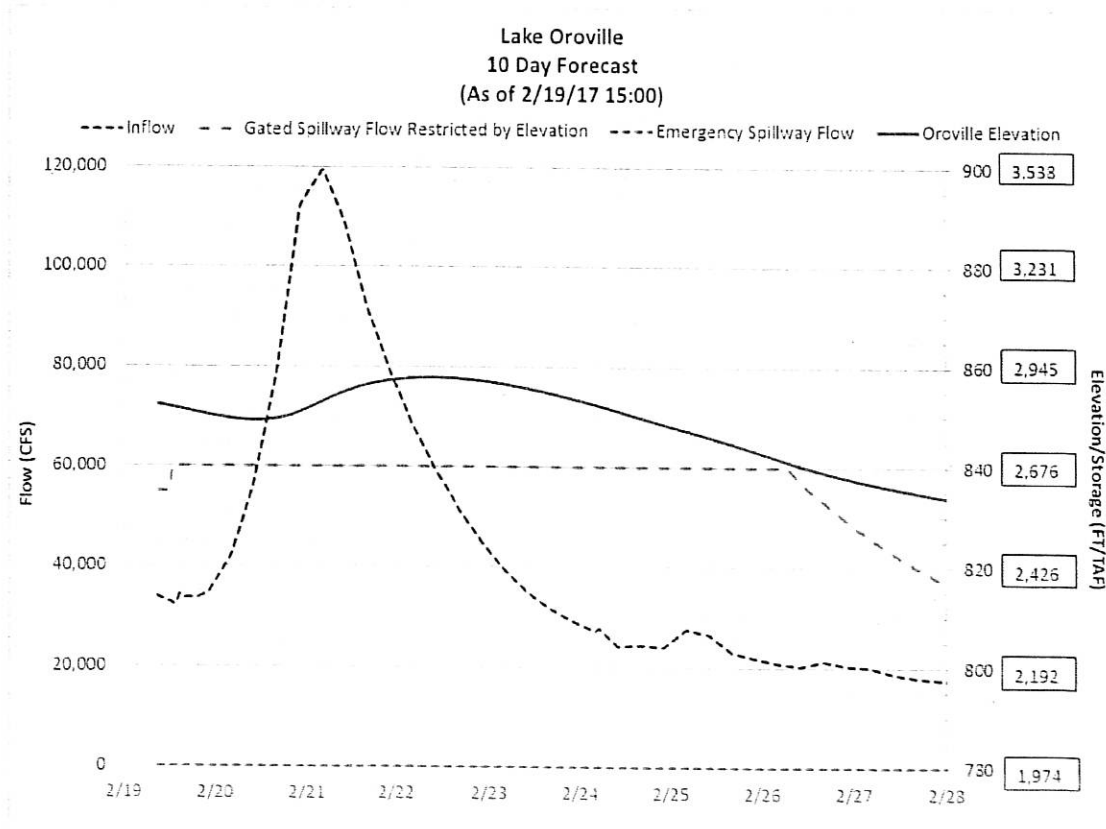
Water Operations Update Related to the Oroville Spillway Emergency

Incident Number: 2017-02-07	Operational Area OFD	SWP Facility: Oroville Spillway
Incident Type: Liner Damage	Latitude:	Longitude:
Incident Severity:	Storage (TAF): 2,825 (17:00)	Elevation (ft): 851.22 (17:00)
Status: Active	Vacant Space (TAF): 728 (17:00)	Encroachment (TAF): 37 (17:00)
Maintaining Office: DWR O&M	Inflow (cfs): 32,000 (17:00)	Total to Feather River at Fish Barrier (cfs): 59,000 (17:00)
	Gated Spillway Flow (cfs): 60,000 (17:00)	Hyatt Flow (cfs): 0 (17:00)
	Tailrace Elevation (ft): 253.00 (17:00)	Emergency Spillway Flow (cfs): 0 (17:00)
Field Division Contact: OFD ACC 530-534-2418	OCO Contact: POC 916-574-1960	

Most Recent Activity:

[2017-02-19 01:00] Total flow to Feather River increased from 53,000 cfs to 54,000 cfs
 [2017-02-19 14:00] Total flow to Feather River increased from 54,000 cfs to 59,000 cfs

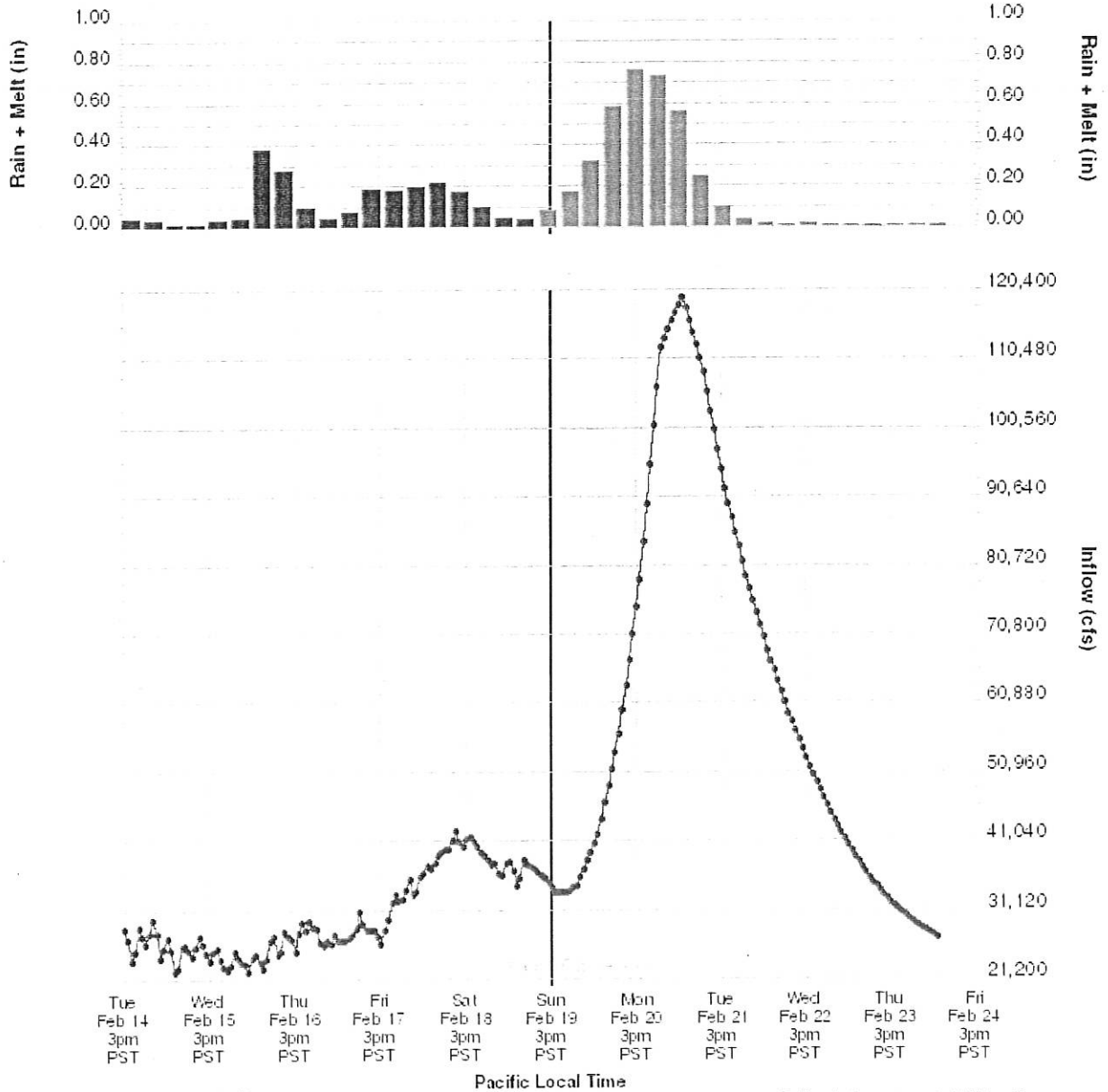
Lake Oroville Storage and Elevation Projection



Weather Forecast

	Quantitative Precipitation Forecast (inches)						Freezing Level (1000 ft)					
	2/19	2/20	2/21	2/22	2/23	2/24	2/19	2/20	2/21	2/22	2/23	2/24
Feather River Basin Average	1.5	4.5	0.7	0.1	0.0	0.3	5.6	6.4	4.4	3.0	2.2	2.4

Inflow Forecast



Observed • Forecast • Guidance •
 Created: 02/19/2017 at 3:41 PM PST (ORDC) Forecast Run Time = 2234Z

California Department of Water Resources
 NOAA - NWS - California Nevada River Forecast Center

- 1-day inflow volume no significant change
- 2-day inflow volume increased by 3 TAF
- 3-day inflow volume decreased by 1 TAF
- 4-day inflow volume decreased by 5 TAF
- 5-day inflow volume decreased by 7 TAF



CALFIRE INCIDENT MANAGEMENT TEAM 3



1. INCIDENT NAME: Spillway		2. DATE PREPARED: February 19, 2017	3. TIME PREPARED: 1620
4. PREPARED BY: Michael Parreira SOF	5. LEADER NAME: David Sargenti SOF1	6. OPERATIONAL PERIOD: 2/20/2017 0600 TO 2/21/2017 0600	

SAFETY MESSAGE

RISK

Risk is the potential of gaining or losing something of value!

- Rain slick roads are throughout the incident, slow down when driving.
- Make sure everyone gets a briefing and reviews work specific JHA's!
- Do not use mobile phones while driving.
- Use scaffolding safety, watch your footing.
- Be aware of the changing weather and road conditions.
- Be careful around the incident base! Drive with CARE!
- Be mindful of debris in the roadways due to heavy winds.
- 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 CAN PLAN IT
YOU CAN PREVENT IT!**

EMERGENCY SIGNALING

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

Michael Parreira Lead Safety Officer



INCIDENT RISK ANALYSIS ICS 215A



BRANCH	HAZARDOUS ACTIONS/ CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
ALL	MUSTER POINT	<ul style="list-style-type: none"> • Know your MUSTER point. • ICP to Lake Oroville Event Center (5131 Royal Oaks Dr.) • Division A, Z and Powerline group – Upper Overlook • Division X – Silver Dollar Fair Grounds (2357 Fair St., Chico)
ALL	DRIVING HAZARDS	<ul style="list-style-type: none"> • Watch your speeds. • Drive defensively! Expect the unexpected. • Watch for road degradation, pot holes slippery conditions. • Be aware of falling trees, mud slides and brush in the road.
ALL	WEATHER	<ul style="list-style-type: none"> • Be aware of changing wind conditions. • 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	PERSONNEL 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 required PPE at all times while on site.
ALL	HYDRATION	<ul style="list-style-type: none"> • Drink water before, during and after each shift.
ALL	WATER HAZARDS	<ul style="list-style-type: none"> • Be alert when working near or around moving water. • Wear appropriate PPE when near water. • Post lookouts 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	CIVILIAN TRAFFIC	<ul style="list-style-type: none"> • Watch for civilian traffic on roadways outside of construction. • Be aware of Civilian foot traffic. • 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 ICS 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"> • Watch out for heavy equipment traffic! • Be aware of heavy equipment working in the area. • Be watchful around heavy equipment, they may not see you.
Incident Name: SPILLWAY		Date Prepared: 2/19/2017 Prepared by: Michael Parreira
		Operational Period: 2/20/2017 – 2/21/2017 0600-0600

In readiness is all

Department of Water Resources

Oroville Field Division

SECURITY MESSAGE

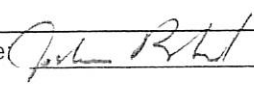
Employees and Contractors must be mindful that information used on a daily basis should be considered *SENSITIVE*. Certain actions are Prohibited.

- 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: 02/20/17 Date To: 02/21/17 Time From: 0600 Time To: 0600		3. Branch: Division: Dredging Group Group: Staging Area:	
4. Operations Personnel: Operations Section Chief: Day: N. Traux / T. Cobarrubia* Night: G. Casario / N. Smith* Division/Group Supervisor: M. Miller* A.M.					
5. Resources Assigned:			# of Person	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
Excavator					DP 1 @ 0600
Grader					DP 1 @ 0600
Grader					DP 1 @ 0600
Skip Loader					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Bull Dozer					DP 1 @ 0600
Hydro. Crane					DP 1 @ 0600
Hydro. Crane					DP 1 @ 0600
MD500 Helicopter					DP 1 @ 0600
MD500 Helicopter					DP 1 @ 0600
Safety Officer*	Rod Teeter (Day Shift)			916-505-7457	DP 1 @ 0600
Safety Officer*	Wayne Wolf (Day Shift)			916-214-6393	DP 1 @ 0600
Safety Officer*	Sam Taylor (Night Shift)			559-997-6932	DP 1 @ 1800
Safety Officer*	James Hester (Night Shift)			805-570-3598	DP 1 @ 1800
6. Work Assignments: Continue access road modifications on the left side of the tailrace. Continue staging barges, boats, and excavators. Continue dredging operations. *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: 02/19/17		2200	

AIR OPERATIONS SUMMARY

OPERATIONAL PERIOD DATE: 2/20/17

START: 0733 END: 1711

SUNRISE: 0703 SUNSET: 1741

1. INCIDENT NAME: Spillway DWR	2. PREPARED BY: Matt Stanford	PREPARED DATE/TIME: 2/19/17 / 1600	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)	AIRTANKERS	LEADPLANES	AIR TACTICAL PLATFORMS	TFR Freqs.
AOBD: Matt Stanford 951-545-8205	124.775	151.2950					
ASGS: Shem Hawkins 530-990-5128	124.775						
ATGS: HEBM: Chris Vatcher 530-895-6505	CDF T18	159.3450					124.775
DECK:							
TOLC:							
COMMAND:	See IAP for command						
Dispatch Aircraft Desk	Air Guard			PILOT MAP:			

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							

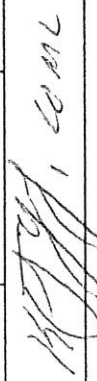
10. TASK/MISSION/ASSIGNMENT (Use ICS-220a if additional space needed: Type/Function includes: Air Tactical, Retardant, Recon, Personnel Transport, Water Dropping, etc.)

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		Operational Period Date/Time	
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	ZONE 2
2	Command	BTU LOCAL	BTU	151.4000 N		110.9 (1)	159.3750 N			A	BTU LOCAL TONE 10
3	Command	BTU SUPP	BTU	154.4150 N		123.0 (2)	159.0000 N			A	BTU SUPPORT
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)

KRIS YEARY - COM1



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 2/19/2017 1100	Operational Period Date/Time 2/20/2017 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)
Mark Chadwick, COM1 *Mark A. Chadwick*

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: 2/20/17 Date To: 2/21/17 Time From: 0600 Time To: 0600	
3. Basic Local Communications Information: Department of Water Resources		
Incident Assigned Position	Name	Method(s) of Contact (phone, pager, cell, etc.)
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	Behzad Soltanzadeh	916-425-4815
SECURITY OFFICER - DAY	Roger Baker	530-990-1775
SECURITY OFFICER - DAY	Curtis Green	909-809-7117
SAFETY OFFICER - DAY	Mike Parreira	559-836-2959
SAFETY OFFICER - DAY	Bill Collins	209-704-0564
LIAISON OFFICER - DAY	Matt Murray	530-321-6035
ENVIRONMENTAL COORDINATION - DAY	Eric See	530-900-8804
PUBLIC INFORMATION OFFICER - DAY/NIGHT	Chris Orrock	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	-16-494-1421
DEPUTY OPERATIONS SECTION CHIEF - DAY	Bill Cochran	530-538-4748
OPERATIONS SECTION CHIEF - DAY	Garrett Hart	916-539-8509
OPERATIONS SECTION CHIEF - DAY	John Berringer	916-952-9376
OPERATIONS SECTION CHIEF - NIGHT	Nate Smith	530-219-5948
MONITORING STRIKE TEAMS - DAY	Dave Panec	916-653-0772
STAGING AREA MANAGER - DAY	John Personeni	916-539-7726
FLOATING DEBRIS REMOVAL STRIKE TEAM - DAY	Mark Reimer	661-524-1277
SYBLON AND REID STRIKE TEAM - DAY	Dan Ramsour	916-217-6733
CONTINGENCY PLANNING - DAY	Tony Meyers	916-919-7171
DAM SURVEILLANCE GROUP - DAY	Ryan Cooper	916-709-7756
PLANNING SECTION CHIEF - DAY	Mark Hafner	530-401-8564
PLANNING SECTION CHIEF - NIGHT	Andrew Steward	530-534-2341
RESOURCE UNIT LEADER - DAY	Ravi Sharma	916-709-7756
SITUATION UNIT LEADER - DAY	Kevin Robinson	916-642-3115
SITUATION UNIT LEADER - DAY	Ryan MacTarnaghan	916-801-6050
DOCUMENTATION UNIT LEADER - DAY	Alyssa Stutz	530-592-9832
DOCUMENTATION UNIT LEADER - NIGHT	Roberta Elkins	530-262-2357
ENGINEERING SHOP - DAY	Tim Wehling	916-747-4673
ENGINEERING SHOP - DAY	Jesse Dillon	916-577-0810
ENGINEERING SHOP - DAY	Scott Hunt	916-574-2665
LOGISTICS SECTION CHIEF - DAY	Wendy Underhill	530-448-7247
4. Prepared by: Name: <u>Lynne Esparza</u> Position/Title: <u>AGPA</u> Signature: <u>Lynne Esparza</u>		
ICS 205A	Date/Time: <u>2/19/17 0900</u>	



COMMUNICATIONS LIST (ICS 205A)

1. Incident Name: Spillway DWR		2. Operational Period: Date From: 2/20/17 Date To: 2/21/17 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	(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	FELIX BERBENA	(530) 448-2413	
OPERATIONS BRANCH DIR	GEORGE CASARIO	(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	GEOFF MARSHALL	(559) 901-2581	
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	(619) 609-3413	
SITUATION UNIT LEADER	GABE GARCIA	(916) 300-2170	
RESOURCE UNIT LEADER	LEONEL PLATA	(559) 246-9225	
RESOURCE UNIT LEADER	JEFF DAPPER	(909) 286-6450	
DEMOB UNIT LEADER	STEVE DEBENEDET	(530) 708-2792	
4. Prepared by: Name: KRIS YEARY Position/Title: COML Signature: <i>Kris Yeary</i>			
ICS 205A		Date/Time: 2/19/17 1415	

 MEDICAL PLAN	1. INCIDENT NAME SPILLWAY DWR CA-CDF-000114	2. DATE PREPARED 2/19/17	3. TIME PREPARED 1415 HOURS	4. OPERATIONAL PERIOD 2/20/17 0600-0600
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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				
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.

Josh Urias
Medical Unit (916) 605-6167

ICS 206 8-78	9. PREPARED BY (MEDICAL UNIT LEADER) Josh Urias, MEDL <i>Josh Urias</i>	10. REVIEWED BY (SAFETY OFFICER) Mike Parreira, SOFR <i>Mike Parreira</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.

Finance Message

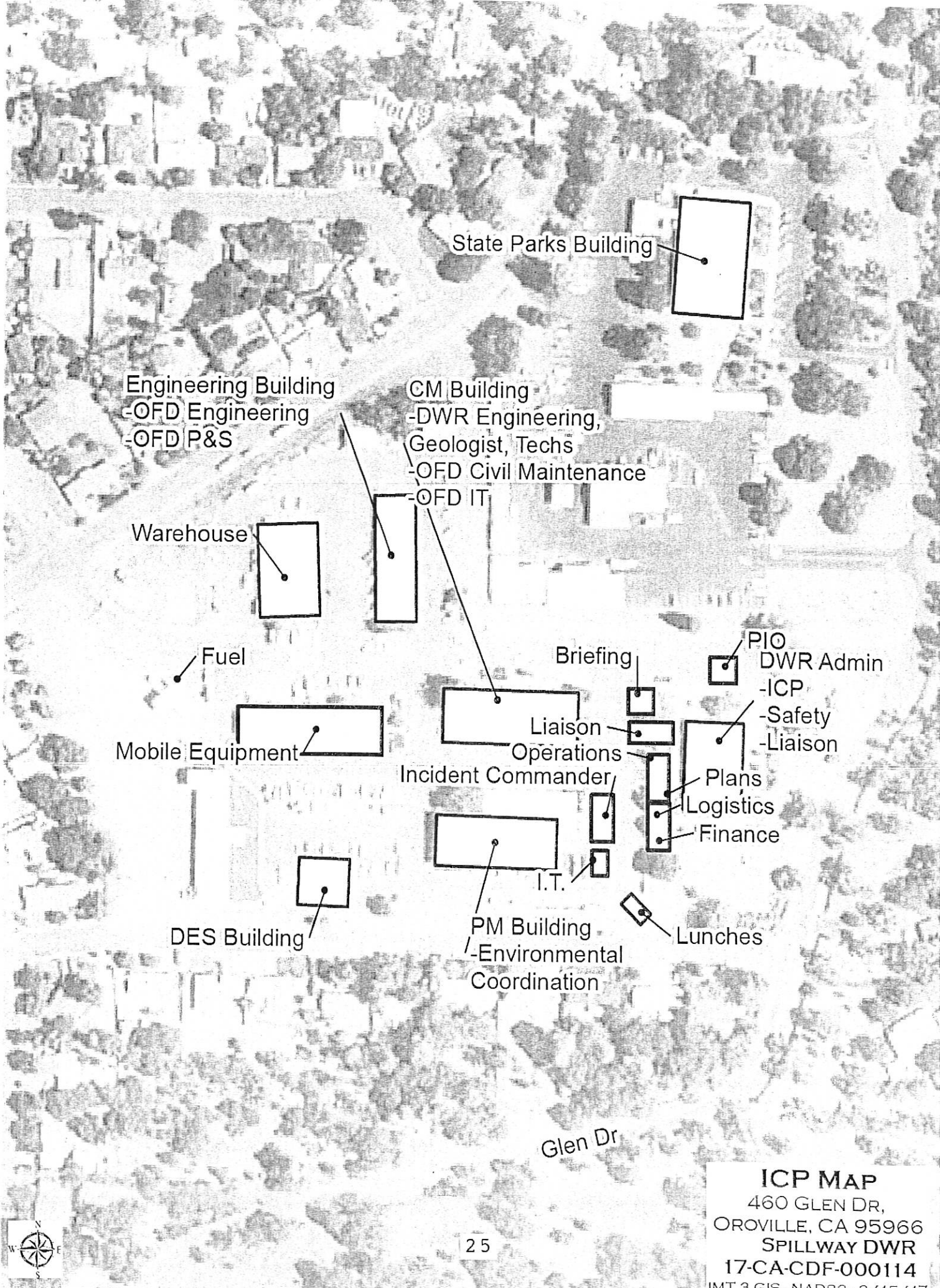
2/20/2017

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.

Please remember to sign your timesheets

Reminder to put the incident number on the ICS 214 Activity Log sheet which is "EM-3381"

Jessica Roles, FSC



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

DES Building

Briefing

Liaison

Operations

Incident Commander

I.T.

PM Building

-Environmental
Coordination

PIO
DWR Admin
-ICP
-Safety
-Liaison

Plans
Logistics
Finance

Lunches

Glen Dr



ICP MAP
460 GLEN DR,
OROVILLE, CA 95966
SPILLWAY DWR
17-CA-CDF-000114
IMT 3 GIS - NAD83 - 2/15/17

