

SPILLWAY DWR

CA-CDF-000114

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

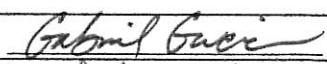

2/21/2017 0600

to

2/22/2017 0600



INCIDENT OBJECTIVES (ICS 202)

1. Incident Name: SPILLWAY DWR	2. Operational Period: Date From: 2/21/2017 Date To: 2/22/2017 Time From: 0600 Time To: 0600		
3. Objective(s):			
<u>Management Objectives:</u>			
<ol style="list-style-type: none"> 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>			
<ol style="list-style-type: none"> 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			
7. Prepared By: Gabe Garcia	Position/Title: PSC (T)	Signature: 	
8. Approved by Incident Commander:		Signature: 	
ICS 202	Date/Time	2/20/17 18:00	

ORGANIZATION ASSIGNMENT LIST (ICS 203)

1. Incident Name: SPILLWAY DWR		2. Operational Period: Date From: 2/21/2017 Date To: 2/22/2017	
		Time From: 0600 Time To: 0600	
3. Incident Commander(s) and Command Staff:		7. Operation Section:	
IC/UC's	Kevin Lawson / Joel Ledesma Kory Honea / Barry Biermann	Chief	Nick Truax / Pat Whitlock
Deputy	Justin McGough (T) / Behzad Soltanzadeh	Deputy	Jeff Ohs / Tom Cobarrubia / John Berringer
Safety Officer	David Sargenti / Mike Parreira	Night Ops	Felix Berbena / Nate 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	Gated Spillway C. Butler A.M. / P. Ghassemi P.M. J. Bacher P.M.
4. Agency/Organization Representatives:		Division/Group	Emergency Spillway D. Ramsour A.M. J. Personeni P.M.
Agency/Organization	Name	Division/Group	Misc. E. Elliot A.M. J. Sanner P.M.
Butte County OES	Cindy Dunsmoor	Division/Group	Powerline L. Enriquez A.M.
CalFire/Butte Co. Fire	Chris Haile	Division/Group	Sediment Removal M. Miller
Oroville P.D.	Allen Byers / Rob	Division/Group	Hyatt R. Brault A.M.
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	Division/Group	
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	Division/Group	
Red Cross	Dave Willoughby	Branch	Director:
		Division/Group	
5. Planning Section:		Division/Group	
Chief	Buddy Bloxham / Mark Hafner	Division/Group	
Deputy	Jeff Dapper (T) / Gabe Garcia (T)	Division/Group	
Resource Unit	Joshua Black / Alfred Macias	Division/Group	
Situation Unit	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 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
Communications Unit	Mark Chadwick / Kris Yeary	Deputy	Mara Zaver
Medical Unit	Kris Yeary / Josh Urias	Time Unit	Patrick Aguada / Karen Cawthon
Food Unit	Wendy Underhill	Procurement Unit	Jack Franklin / Deanna Butler
Motel Unit	Randy Diaz / Jerry Fernandez	Comp/Claims Unit	Matthew Boone / Anna Guevara
		Cost Unit	Lynne Esparza
Prepared By: Name: Joshua Black		Signature: 	
ICS 203	Date/Time:	2/20/2017 22:00	



Incident Weather Forecast



FORECAST NO: 5

NAME OF INCIDENT: Spillway DWR

PREDICTION FOR: 0600 Tue - 0600 Wed
SHIFT DATE: Tuesday Feb 21, 2017

UNIT: CA-BTU
SIGNED: *Jason Clapp*

TIME AND DATE
FORECAST ISSUED: 1800 2/20/17

Incident Meteorologist
Jason Clapp - Cell 530-383-4839

**...CONTINUED WINDY CONDITIONS EARLY TODAY...
...AREA FLOOD WARNING – Valid through Wednesday...**

Weather Discussion: Upper waves moves through today bringing more showery precipitation and possible thunderstorms. Behind the wave winds will gradually weaken today, but still may restrict aviation. Snow levels will decrease today. The broad upper trough lingers around the Pacific Northwest Coast into the weekend with a couple waves moving through the region to keep the area under a threat of precipitation.

FORECAST for Today (Tuesday):

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)
Weather	Cloudy becoming mostly cloudy with scattered showers. Chance T-storms	Cloudy with widespread showers
Highs	53 – 56	30 – 43
20 ft Winds	SSE winds 20-35 mph G40-50 mph lowering 10-15 with G20-30 mph by 1600	
500 ft Winds	S winds 30-40 mph G45-55 mph lowering 20 mph G30 mph by 1600	
24 hr Precip	< 0.50 inch	1 - 3 inches
Snow Level	4000 - 4500 ft	

FORECAST for Wednesday:

	Oroville Dam/Spillway	Feather River Basin (2000-5000 ft)
Weather	Partly to mostly cloudy with isolated light showers	Mostly cloudy with scattered showers
Highs	50 – 53	30 – 40
20 ft Winds	SSE winds 6-10 mph gusting 15 mph	
500 ft Winds	SSE winds 6-10 mph gusting 15 mph	
24 hr Precip	0.25	0.50 - 1 inches
Snow Level	3500 - 4500 ft	

OUTLOOK FORECAST for Thursday – Saturday:

Broad upper low stalling over the Pacific Northwest and northern CA and bringing impulses into the weekend. Thursday is mostly dry with a few showers over the watershed with W-NW wind gusts less than 15 mph. Friday and Saturday develops westerly flow ahead of another broad trough and brings in more moisture from over the eastern Pacific, delivering additional precipitation. Thursday and Friday snow levels of around 3500-4000 ft will climb a bit Saturday as warmer air moves in with more subtropical moisture. Winds will likely be strongest Friday and again Saturday ahead of each wave.

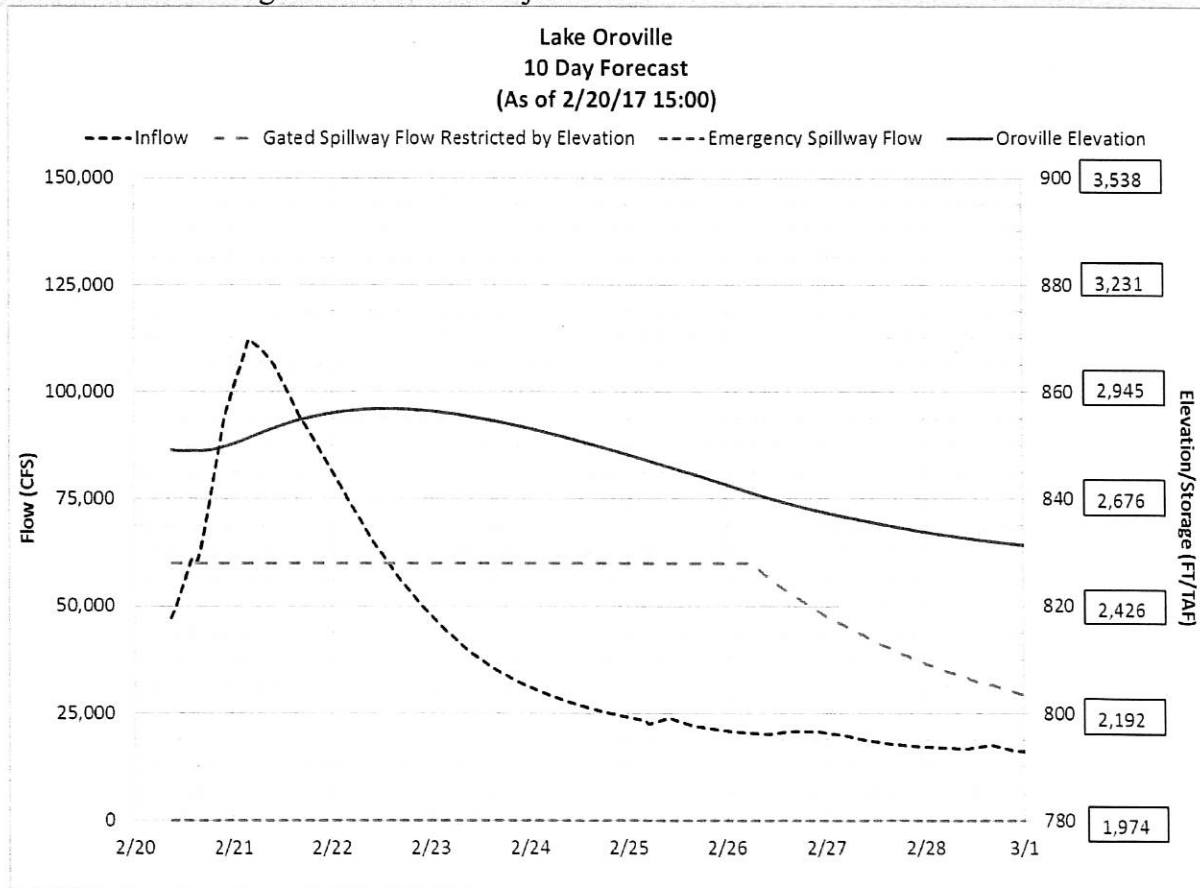
Water Operations Update Related to the Oroville Spillway Emergency

Incident Number: 2017-02-07	Operational Area OFD	SWP Facility: Oroville Spillway
Incident Type: Liner Damage	Latitude:	Longitude:
Incident Severity:	Storage (TAF): 2,795 (15:00)	Elevation (ft): 848.99 (15:00)
Status: Active	Vacant Space (TAF): 758 (15:00)	Encroachment (TAF): 7 (15:00)
Maintaining Office: DWR O&M	Inflow (cfs): 63,000 (15:00)	Total to Feather River at Fish Barrier (cfs): 59,000 (15:00)
	Gated Spillway Flow (cfs): 60,000 (15:00)	Hyatt Flow (cfs): 0 (15:00)
	Tailrace Elevation (ft): 253.86 (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:

Feather River releases will be adjusted as needed.

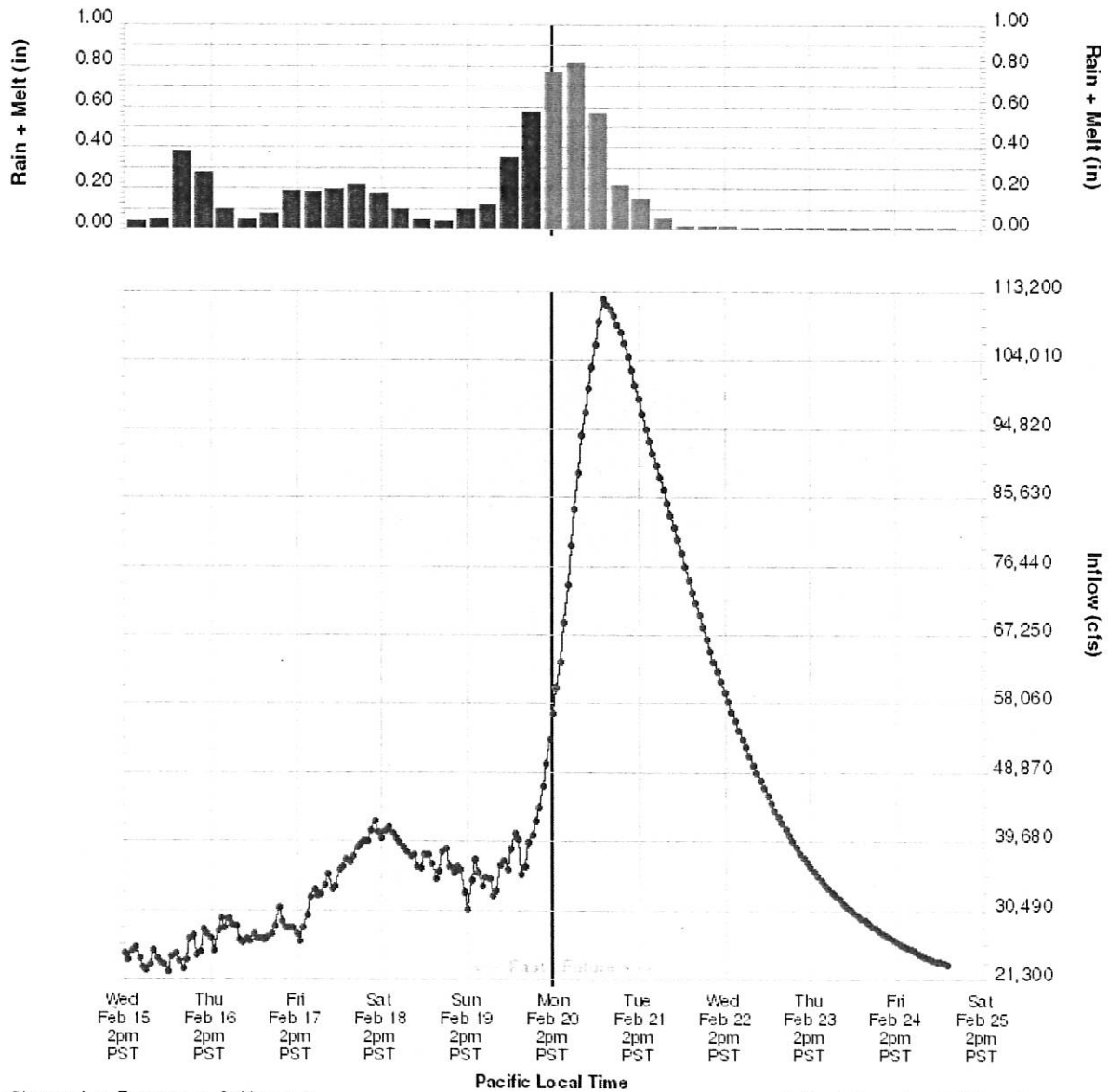
Lake Oroville Storage and Elevation Projection



Weather Forecast

	Quantitative Precipitation Forecast (inches)						Freezing Level (1000 ft)					
	2/20	2/21	2/22	2/23	2/24	2/25	2/20	2/21	2/22	2/23	2/24	2/25
Feather River Basin Average	4.0	0.8	0.1	0.0	0.1	1.0	6.5	4.6	3.3	2.6	3.0	3.0

Inflow Forecast



Observed • Forecast • Guidance •
 Created: 02/20/2017 at 2:13 PM PST (ORDCI Forecast Run Time = 21:48Z)

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

- 1-day inflow volume increased by 7 TAF**
- 2-day inflow volume increased by 22 TAF**
- 3-day inflow volume increased by 32 TAF**
- 4-day inflow volume increased by 37 TAF**
- 5-day inflow volume increased by 57 TAF**

10-Day Feather Basin Quantitative Precipitation Forecast (QPF)

Monday, February 20, 2017
(each day ends at 0400 PST)

Day No.	Date		Precip	Snow Level	Average Daily*		
			(inches)	(feet)	Precip (inches)	Snow Depth (inches)	Min Temp (F)
	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		0.0	9,500			
	Thursday, February 16, 2017		0.1	8,500			
	Friday, February 17, 2017	Actual ↓	0.9	5,000			
	Saturday, February 18, 2017		1.6	4,500			
	Sunday, February 19, 2017		1.1	4,500			
	Monday, February 20, 2017		1.7	4,500	0.23	1.9	26.7
Total observed:			5.8				
1	Tuesday, February 21, 2017	Forecast ↓	3.9	5,500	0.23	1.9	26.8
2	Wednesday, February 22, 2017		0.6	3,500	0.23	1.8	26.9
3	Thursday, February 23, 2017		0.1	2,500	0.23	1.8	27.0
4	Friday, February 24, 2017		0.0	1,500	0.23	1.7	27.1
5	Saturday, February 25, 2017		0.3	2,000	0.23	1.7	27.2
6	Sunday, February 26, 2017		0.3	2,000	0.23	1.6	27.3
7	Monday, February 27, 2017		0.3	2,500	0.23	1.6	27.4
8	Tuesday, February 28, 2017		0.1	2,000	0.23	1.5	27.5
9	Wednesday, March 01, 2017		0.1	2,500	0.22	1.5	27.6
10	Thursday, March 02, 2017		0.0	3,500	0.22	1.4	27.7
	Friday, March 03, 2017		0.0	3,500	0.22	1.4	27.7
10-Day Total:			5.7		2.26		
10-Day Percent of Normal:			252%				
Accumulated Observed Precip for WY 2017:			78.6	(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 to the end of the work-week. The QPF has decreased since yesterday. Periods of isolated thunderstorms at lower elevations are possible. Significant snowfall accumulation is expected in the Sierra. Strong, gusty winds are likely at times. Widespread wet weather is expected to return over the weekend, along with much cooler temperatures. The next update of this forecast will be about Tuesday, February 21, 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)



Department of Water Resources

1. INCIDENT NAME: Spillway		2. DATE PREPARED: February 20, 2017	3. TIME PREPARED: 1530
4. PREPARED BY: Michael Parreira SOF	5. LEADER NAME: Michael Parreira SOF	6. OPERATIONAL PERIOD: 2/21/17 0600 TO 2/22/17 0600	

SAFETY MESSAGE

Only You Can Prevent Injuries!

- Rain slick roads are throughout the incident, slow down when driving.
- Make sure everyone gets a briefing and review your JHA.
- Do not use mobile phones while driving. Don't be a distracted driver.
- Review the emergency signaling plan with your crew.
- Be aware of the changing weather and road conditions.
- Slowdown in and around the incident base and watch out for local traffic.
- 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.

The best gift you can give your family is YOU! Please be safe.

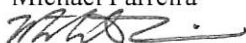
EMERGENCY SIGNALING

- 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. • Watch for animals in the roadways. • 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	RESIDENTS	<ul style="list-style-type: none"> • 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. • Make sure everyone reviews and signs the JHA.. • 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: 2/20/2017 Prepared by: Michael Parreira 
		Operational Period: 2/21/2017 – 2/22/2017 0600-0600

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: 02/21/17 Date To: 02/22/17 Time From: 0600 Time To: 0600	3. Branch: Division: Group: Staging Area: <div style="text-align: center; font-size: 1.5em; font-weight: bold;">Emergency Spillway Group</div>		
4. Operations Personnel: Operations Section Chief: Day: N. Traux / P. Whitlock* Night: F. Berbena / N. Smith* Division/Group Supervisor: D. Ramsour* A.M. / J. Personeni* P.M.		Page 1 of 2		
5. Resources Assigned:				
Resource Identifier	Leader	# of Person	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information
30CY Haul Truck				DP 3 @ 0600
30CY Haul Truck				DP 3 @ 0600
30CY Haul Truck				DP 3 @ 0600
30CY Haul Truck				DP 3 @ 0600
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30CY Haul Truck				DP 3 @ 0600
30CY Haul Truck				DP 3 @ 0600
30CY Haul Truck				DP 3 @ 0600
Bull Dozer				DP 3 @ 0600
Bull Dozer				DP 3 @ 0600
Bull Dozer				DP 3 @ 0600
Conc. Pumping Truck				DP 3 @ 0600
Conc. Pumping Truck				DP 3 @ 0600
Conc. Pumping Truck				DP 3 @ 0600
6. Work Assignments: Continue placing rock and concrete on erosion areas on spillway. Building an access road from spillway to the diversion pool. Continue installing boundary fencing. *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 19-20) / /				
9. Prepared by: ICS 204	Name: Joshua Black	Position/Title: RESL	Date/Time: 02/20/17	Signature:  2200

ASSIGNMENT LIST (ICS 204)

1. Incident Name: Spillway DWR		2. Operational Period: Date From: 02/21/17 Date To: 02/22/17 Time From: 0600 Time To: 0600		3. Branch: Sediment Removal Group Division: Group: Staging Area: Page 1 of 2	
4. Operations Personnel: Operations Section Chief: Day: N. Traux / P. Whitlock* Night: F. Berbena / 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
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
Hydro. Crane					DP 1 @ 0600
Loader					DP 1 @ 0600
Reach Lift					DP 1 @ 0600
Backhoe					DP 1 @ 0600
Crane Truck					DP 1 @ 0600
Crane Truck					DP 1 @ 0600
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 19-20) / /					
9. Prepared by: Name: Joshua Black		Position/Title: RESL		Signature:	
ICS 204		Date/Time: 02/20/17		2200	

INCIDENT RADIO COMMUNICATIONS PLAN

Incident Name
Spillway DWR

Date/Time Prepared
2/20/2017 1100

Operational Period Date/Time
2/21/2017 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											
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11											
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15											
16											
17											
18											
19											
20											

Prepared By (Communications Unit)
Mark Chadwick, COML *Mark 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.

INCIDENT RADIO COMMUNICATIONS PLAN		Incident Name	Date/Time Prepared		Operational Period Date/Time				
		Spillway DWR	2/20/2017 1430		2/21/2017 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	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)			Incident Location						
KRIS YEARY - COM1			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: 2/21/17 Date To: 2/22/17 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	Joel Ledesma	916-849-4779	
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	Pat Whitlock	530-990-4300	
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	
4. Prepared by: Name: <u>Lynne Esparza</u> Position/Title: <u>AGPA</u> Signature: <u>Lynne Esparza</u>			
ICS 205A		Date/Time: <u>2/20/17 1500</u>	



COMMUNICATIONS LIST (ICS 205A)

1. Incident Name: Spillway DWR		2. Operational Period: Date From: 2/21/17 Date To: 2/22/17 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: 			
ICS 205A		Date/Time: 2/20/17 1415	



MEDICAL PLAN

1. INCIDENT NAME

**SPILLWAY DWR
CA-CDF-000114**2. DATE
PREPARED

2/20/17

3. TIME
PREPARED1100
HOURS

4. OPERATIONAL PERIOD

2/21/17
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

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**INJURY REPORTING PROCEDURES**

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

- Division Supervisor contacts:
 - 911
 - ACC – Area Control Center - (530) 534-2426
- 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.

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 *Josh Urias*

10. REVIEWED BY (SAFETY OFFICER)

Mike Parreira, SOFR *Mike Parreira*



PUBLIC INFORMATION SECTION

Incident Information Line: (530)-538-7826

Incident Media Line: (530) 268-5869

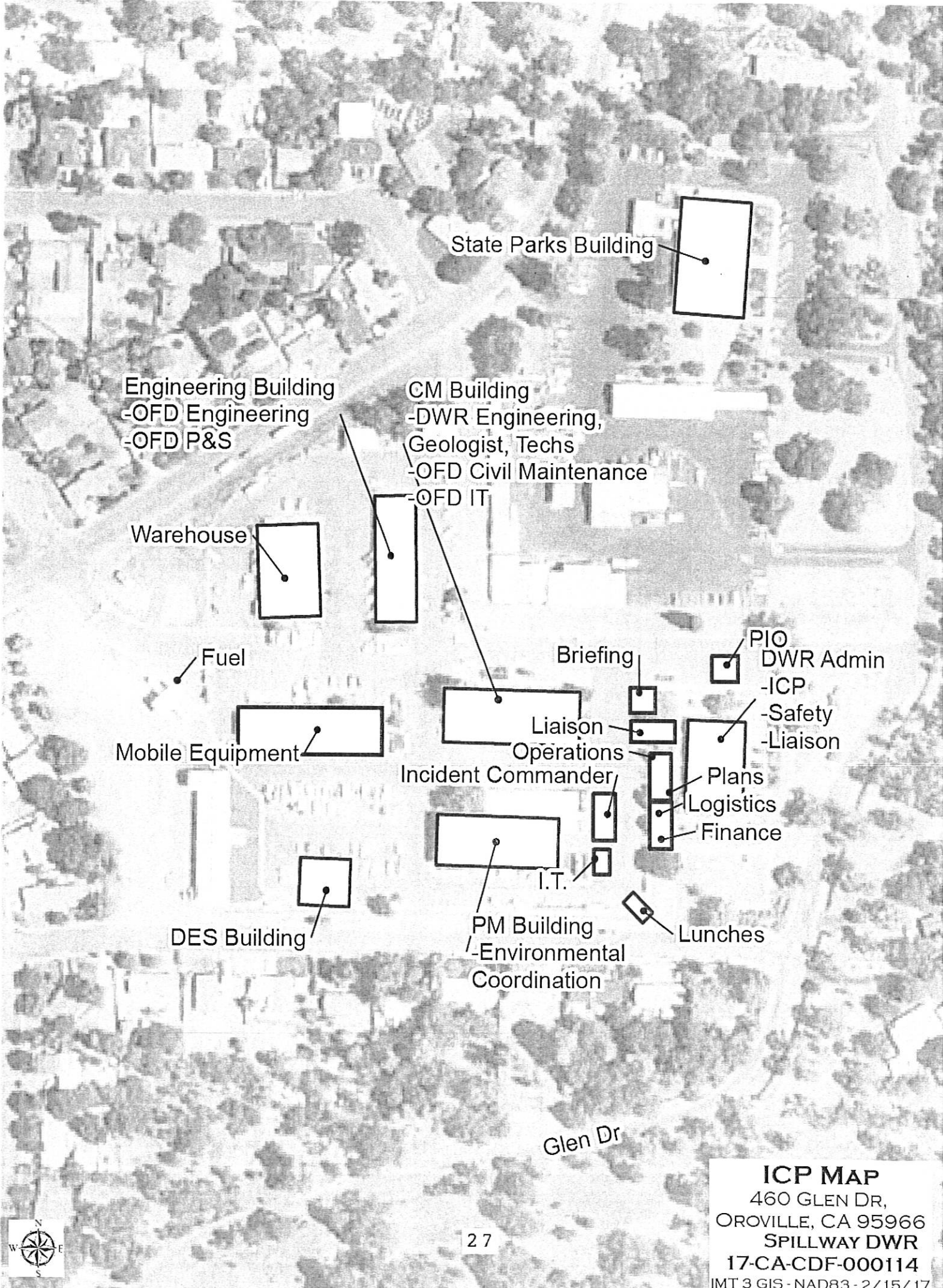
STATUS	
Incident Start Date: 02/07/2017	Incident Start Time: 2:00 PM
Incident Type: Northern Winter Storms	Description: Damage to the Oroville Spillway
Incident Location: Oroville Dam, Canyon Dr. & Oroville Dam Rd, Oroville, CA 95966	

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 "Chris.Orrock@water.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.



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

Incident Commander

PM Building
-Environmental
Coordination

Briefing

Liaison
Operations

I.T.

Lunches

PIO
DWR Admin
-ICP
-Safety
-Liaison

Plans
Logistics
Finance

Glen Dr



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

