

* CORRECTED *

SPILLWAY DWR

CA-CDF-000114

INCIDENT ACTION PLAN



OPERATIONAL PERIOD

2/16/2017 0600

to

2/17/2017 0600



INCIDENT OBJECTIVES (ICS 202)

| | |
|--|--|
| 1. Incident Name: SPILLWAY DWR | 2. Operational Period: Date From: 2/16/2017 Date To: 2/17/2017 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. Control Objectives: 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. | |
| General Situational Awareness: (Empty space for situational awareness notes) | |
| 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 McQuinn</i> I.C (+) | |
| ICS 202 | Date/Time 2/15/17 18:00 |

ORGANIZATION ASSIGNMENT LIST (ICS 203)

| | | | |
|--|--|---|--|
| 1. Incident Name: SPILLWAY DWR | | 2. Operational Period: Date From: 2/16/2017 Date To: 2/17/2017 | |
| | | 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 / T. Cobarrubia |
| Deputy | Justin McGough (T) | Deputy | J. Ohs / B. Cochran |
| Safety Officer | David Sargenti / Mike Parreira | Night Ops | G. Casario / 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. / J. Bacher P.M. |
| 4. Agency/Organization Representatives: | | Division/Group | Z D. Ramsour & C. Lancaster 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 | Leonel Plata / 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 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 | Kyle Johnson / Wendy Underhill | Time Unit | Patrick Aguada / Karen Cawthon |
| Medical Unit | Kris Yeary / 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: | Leonel Plata | Signature:  | |
| ICS 203 | | Date/Time: | 2/15/2017 22:00 |

SPOT FORECAST for Spillway DWR...CALFIRE
National Weather Service SACRAMENTO CA
255 PM PST Wed Feb 15 2017

Forecast is based on incident time of 0700 PST on February 16.

.DISCUSSION...

The first in a series of storm systems is still expected to arrive late Wednesday into Thursday. 2 to 3 inches of rain expected over the Feather River Basin with this storm along with breezy winds.

A second storm arrives Friday into Saturday, but the bulk of the precipitation should remain to the south.

A third storm system is forecast to arrive next Monday/Tuesday. Forecast confidence is increasing that this early next week storm could be the warmest, wettest and pack the strongest winds in this series of storms.

.THURSDAY...

Sky/weather..Heavy rain in the morning, becoming rain showers in the afternoon.

Chance of pcpn..100 percent.

Max temperature..58-63.

Surface winds..Northwest winds up to 7 mph.

Pcpn amount..1 to 2 inches at the dam site. 2 to 3 inches over the Feather River Basin.

Snowfall amount..6 to 12 inches possible above 5500 feet.

.THURSDAY NIGHT...

Sky/weather..Mostly cloudy. Off-and-on light showers, mainly in the evening.

Chance of pcpn..70 percent.

Min temperature..49-54.

Surface winds..South to east 3 to 7 mph.

Pcpn amount..Up to 0.25 inches.

Snowfall amount.....Up to 2 inches possible above 5500 feet.

.FRIDAY...

Sky/weather..Showers...mainly in the late morning and afternoon.

Chance of pcpn..80 percent.

Max temperature..56-61.

Surface winds..East winds up to 6 mph becoming northwest in the afternoon.

Pcpn amount..Up to 0.50 inches.

Snowfall amount..Up to 4 inches above 5000 feet.

10-Day Feather Basin Quantitative Precipitation Forecast (QPF)

Wednesday, February 15, 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) |
| | Monday, February 06, 2017 | | 1.4 | 5,000 | | | |
| | 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 | Actual ↓ | 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 | 0.23 | 2.2 | 26.1 |
| Total observed: | | | 13.0 | | | | |
| 1 | Thursday, February 16, 2017 | Forecast ↓ | 0.2 | 8,500 | 0.23 | 2.1 | 26.3 |
| 2 | Friday, February 17, 2017 | | 1.9 | 5,000 | 0.23 | 2.1 | 26.4 |
| 3 | Saturday, February 18, 2017 | | 1.2 | 5,000 | 0.23 | 2.0 | 26.4 |
| 4 | Sunday, February 19, 2017 | | 0.3 | 5,000 | 0.23 | 2.0 | 26.6 |
| 5 | Monday, February 20, 2017 | | 0.3 | 5,000 | 0.23 | 1.9 | 26.7 |
| 6 | Tuesday, February 21, 2017 | | 2.8 | 5,000 | 0.23 | 1.9 | 26.8 |
| 7 | Wednesday, February 22, 2017 | | 0.6 | 3,500 | 0.23 | 1.8 | 26.9 |
| 8 | Thursday, February 23, 2017 | | 0.3 | 2,500 | 0.23 | 1.8 | 27.0 |
| 9 | Friday, February 24, 2017 | | 0.0 | 2,500 | 0.23 | 1.7 | 27.1 |
| 10 | Saturday, February 25, 2017 | | 0.0 | 3,000 | 0.23 | 1.7 | 27.2 |
| | Sunday, February 26, 2017 | | 0.0 | 3,000 | 0.23 | 1.6 | 27.3 |
| 10-Day Total: | | | 7.6 | | 2.31 | | |
| 10-Day Percent of Normal: | | | 329% | | | | |
| Accumulated Observed Precip for WY 2017: | | | 73.2 | (WY 2016: 63.0) | | | |

Comments:

Beginning later today, widespread, light to heavy precipitation is forecasted to return to the Feather Basin. A new series of storms, bringing periods of rain and snow, are expected to last into next week. Snow levels start out relatively high, but decrease before the heavier precipitation arrives. Significant snowfall accumulation is expected in the Sierra. Strong, gusty winds are likely at times. A moderate degree of uncertainty exists for next week's forecast. The next update of this forecast will be about Thursday, February 16, 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)

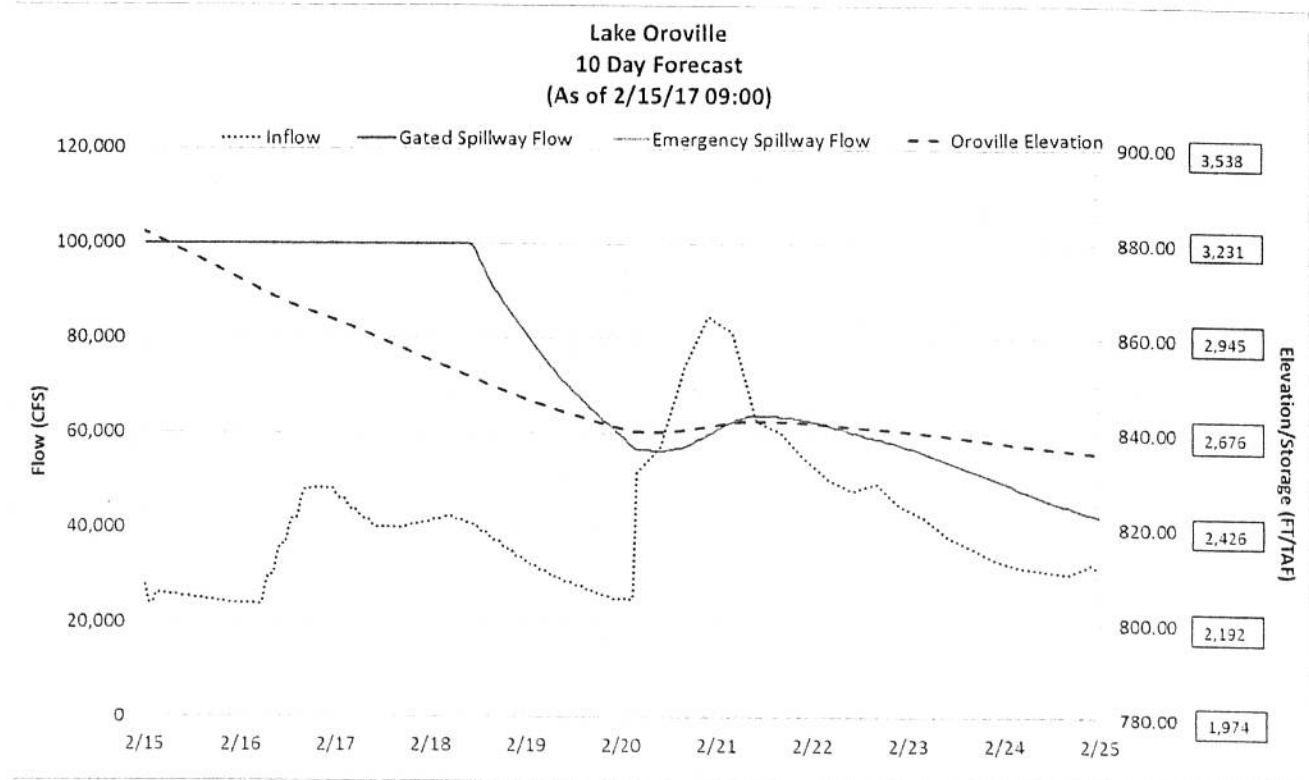
Water Operations Update Related to the Oroville Spillway Emergency

| | | |
|--|---|--|
| Incident Number: 2017-02-07 | Operational Area OFD | SWP Facility: Oroville Spillway |
| Incident Type: Liner Damage | Latitude: | Longitude: |
| Incident Severity: | Storage (TAF): 3,211 (09:00) | Elevation (ft): 878.63 (09:00) |
| Status: Active | Vacant Space (TAF): 342 (09:00) | Encroachment (TAF): 423 (09:00) |
| Maintaining Office: DWR O&M | Inflow (cfs): 22,000 (09:00) | Total to Feather River (cfs): 117,000 (09:00) |
| | Gated Spillway Flow (cfs): 100,000 (09:00) | Hyatt Flow (cfs): 0 (09:00) |
| | Tailrace Elevation (ft): 254.07 (09:00) | Emergency Spillway Flow (cfs): 0 (09:00) |
| 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.

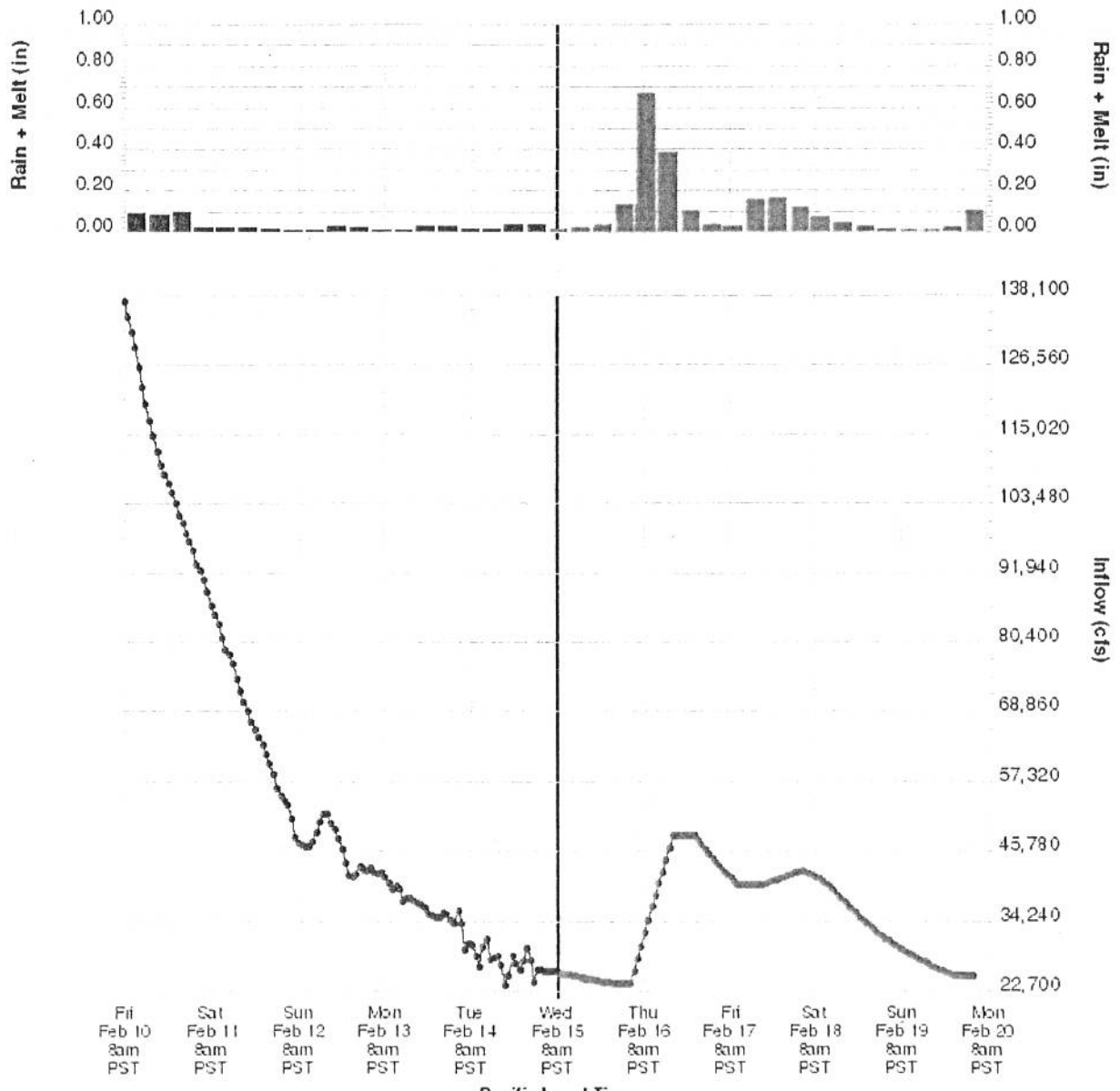
Lake Oroville Storage and Elevation Projection



Weather Forecast

| | Quantitative Precipitation Forecast (inches) | | | | | | Freezing Level (1000 ft) | | | | | |
|-----------------------------|--|------|------|------|------|------|--------------------------|------|------|------|------|------|
| | 2/15 | 2/16 | 2/17 | 2/18 | 2/19 | 2/20 | 2/15 | 2/16 | 2/17 | 2/18 | 2/19 | 2/20 |
| Feather River Basin Average | 0.3 | 1.9 | 1.2 | 0.3 | 0.3 | 2.8 | 9.2 | 5.8 | 5.8 | 6.1 | 6.2 | 5.9 |

Inflow Forecast



Observed • Forecast • Guidance •
 Created: 02/15/2017 at 8:42 AM PST (ORDCI Forecast Run Time = 1612Z)
 California Department of Water Resources
 NOAA - NWS - California Nevada River Forecast Center

1-day inflow volume increased by 6 TAF
 2-day inflow volume increased by 20 TAF
 3-day inflow volume increased by 28 TAF



CAL FIRE INCIDENT MANAGEMENT TEAM 3



| | | | |
|-----------------------|---|--|--|
| SAFETY MESSAGE | 1. INCIDENT NAME: SPILLWAY | 2. DATE PREPARED: February 15, 2017 | 3. TIME PREPARED: 1200 |
| | 4. PREPARED BY: David Brockman SOF1(T) | 5. LEADER NAME: David Sargenti SOF1 | 6. OPERATIONAL PERIOD: 2/16/17 0600 TO 2/17/17 0600 |

SAFETY MESSAGE

FATIGUE

Extreme tiredness, typically resulting from mental or physical exertion or illness.


- Rain slick roads are throughout the incident, slow down when driving.
- Make sure everyone gets a briefing!
- Watch out for the residents returning home or coming out to view the work being completed.
- 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.
- Remain mindful of what is going on around you! LACES!
- Make sure to wear the appropriate PPE for the current and predicted weather.

No project, no matter how critical, is worth a lost finger, a blinded eye, or tragic loss of life. When safety becomes the primary guideline for progress, all parties reap the rewards of a job well done and done safely.

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. • Be aware of any evacuation plans or warnings. • 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 pedestrian traffic. |
| ALL | WEATHER | <ul style="list-style-type: none"> • 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 PFD 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. |
| 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. • Slow down when driving near rock trucks, they may not see you. |
| Incident Name: SPILLWAY INCIDENT | | DATE PREPARED: 2/15/2017 Prepared by: David Broekman  |
| | | OPERATIONAL PERIOD 2/16/2017-2/17/2017 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

AIR OPERATIONS SUMMARY OPERATIONAL PERIOD DATE: 2/16/17 START: 0733 END: 1711 SUNRISE: 0703 SUNSET: 1741

1. INCIDENT NAME: Spillway DWR 2. PREPARED BY: Matt Stanford 3. # OF COPIES NEEDED: PREPARED DATE/TIME: 2/15/17 / 1600

4. REMARKS (Safety Notes, Hazards, Air Operations Special Equipment, etc.):

TFR may not be staffed with aerial supervision. Make blind calls at 7 and 12 miles prior to entering the TFR
 GPS settings: hddd°mm.mmm' with WGS 84 selected as the map datum.

5. TFR:
 Center: Polygon
 Latitude: See FAA website for
 Longitude: current TFR
 Radius:
 Altitude: From the surface up
 to and including 4500 feet MSL

6. PERSONNEL

| | Phone | 7. FREQUENCIES | | 8. FIXED WING | |
|------------------------|--------------|---------------------|---------------------|------------------------|--|
| | | AM | FM | | # Avail / Type/ Make-Model / FAA # / Base(s) |
| AOBD: Matt Stanford | 951-545-8205 | AIR/AIR FW: 124.775 | 151.2950 | AIRANKERS | |
| 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 |
| | | TOLC: | | | |
| | | COMMAND: | See IAP for command | | |
| H/CO: | | Air Guard | 168.625 Tone 1 | PILOT MAP: | |
| Dispatch Aircraft Desk | | | | | |

9. HELICOPTERS (Use Additional Sheets as Necessary)

| FAA # | TY | MAKE/MODEL | BASE | AVAIL | START | REMARKS | FAA # | 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 | | | 24 hrs 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 | | | Date/Time Prepared | | | Operational Period Date/Time | | | |
|------------------------------------|----------|---|------------|----------|--------------------|-------------|----------|------------------------------|-------------|----------------|-----------------------|
| | | Spillway DWR | | | 2/15/2017 1500 | | | 2/16/2017 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 | | | | | | | | | | | |
| 7 | | | | | | | | | | | |
| 8 | | | | | | | | | | | |
| 9 | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | | | | | | | | | | | |
| 16 | | | | | | | | | | | |
| 17 | | | | | | | | | | | |
| 18 | | | | | | | | | | | |
| 19 | | | | | | | | | | | |
| 20 | | | | | | | | | | | |

Prepared By (Communications Unit)

Wendy Underhill, LOGS *Richard Jones*

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 | | | 2/15/2017 1500 | | | 2/16/2017 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 | | | | | | | | | | | |
| 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*
 Incident Location
 Oroville Dam

KYLE JOHNSON - COML TEAM 3

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.

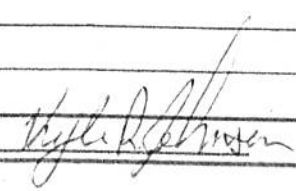


COMMUNICATIONS LIST (ICS 205A)

| | | | |
|--|--|---|----------------------|
| 1. Incident Name: Spillway DWR | | 2. Operational Period: Date From: 2/16/17 Date To: 2/17/17 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 | | John Berringer | 916-952-9376 |
| 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 | | Desmond Feher | 916-220-3595 |
| DOCUMENTATION UNIT LEADER - DAY | | Alyssa Stutz | 530-592-9832 |
| EMERGENCY SPILLWAY CONTINGENCY DAY | | Tim Wehling | 916-747-4673 |
| SUBJECT MATTER EXPERTS GEOLOGY - DAY | | Rob Berry | 916-801-4390 |
| SUBJECT MATTER EXPERTS DOE - DAY | | Joe Royer | 916-956-4407 |
| SUBJECT MATTER EXPERTS HDR DAY | | Les Harder | 916-768-1585 |
| 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>2/15/17 1745</u> | |



COMMUNICATIONS LIST (ICS 205A)

| 1. Incident Name: Spillway DWR | | 2. Operational Period: Date From: 2/16/17 Date To: 2/17/17 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 SECTION CHIEF | NICK SCHULER (T) | (619) 733-0675 | |
| 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>2/15/17 1730</u> | |



MEDICAL PLAN

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

2. DATE PREPARED
 2/15/17

3. TIME PREPARED
 1730
 HOURS

4. OPERATIONAL PERIOD
 2/16/17
 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 |
|-----------------------------|--------------------------------|-------|------------|
| 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) 534-2499
- 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.

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>Kris Yeary</i> | 10. REVIEWED BY (SAFETY OFFICER) Dave Sargenti, SOFR <i>Dave Sargenti</i> |
| | <i>MEDL</i> | |



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

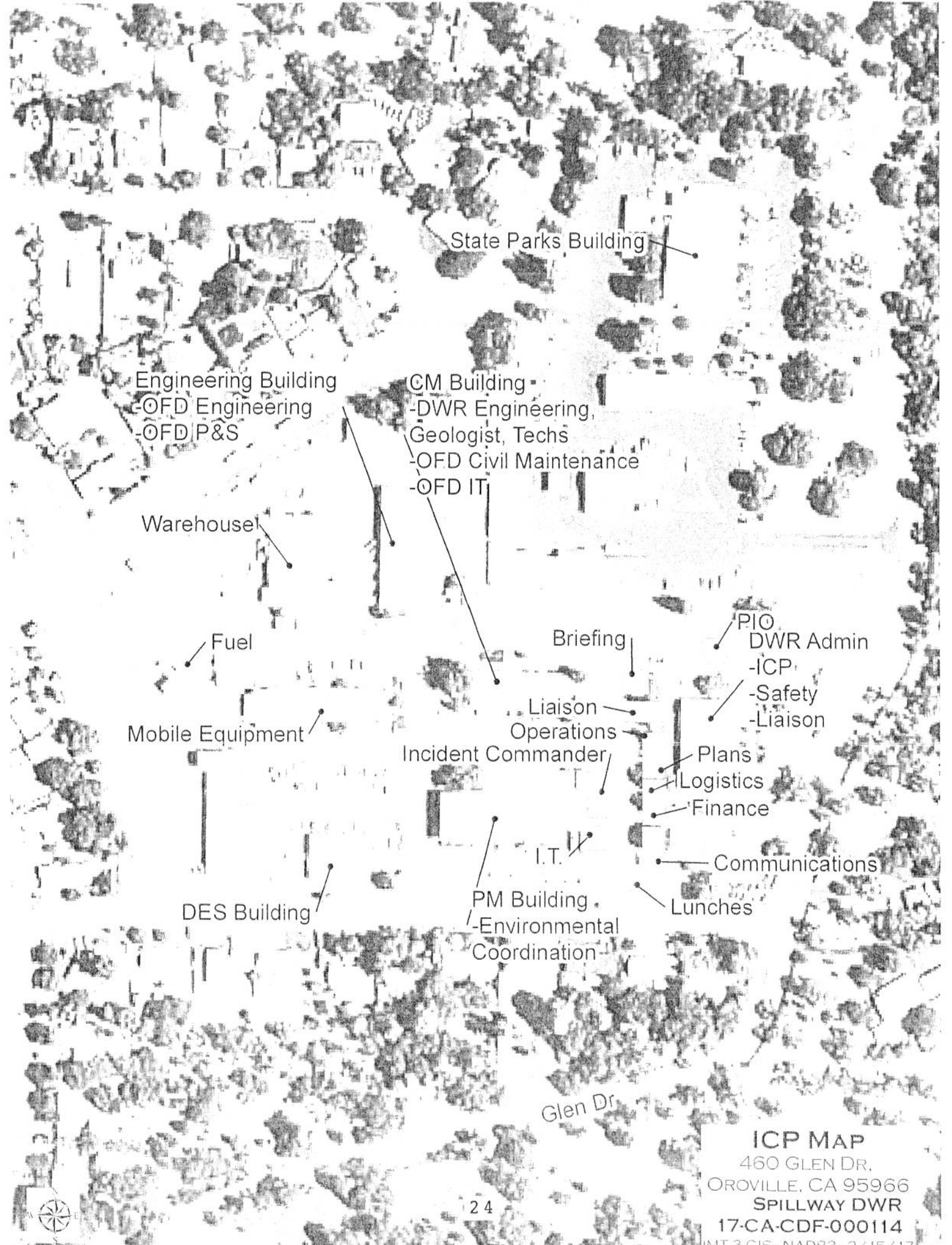
2/16/2017

DWR time sheets (DWR 208 & ICS 214) were due last Monday. Please submit them as soon as possible. There is a finance document box in the lobby in the administration office

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



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

PIO
DWR Admin
-ICP
-Safety
-Liaison

Liaison
Operations

Incident Commander

Plans
Logistics
Finance

I.T.

PM Building
-Environmental
Coordination

Communications
Lunches

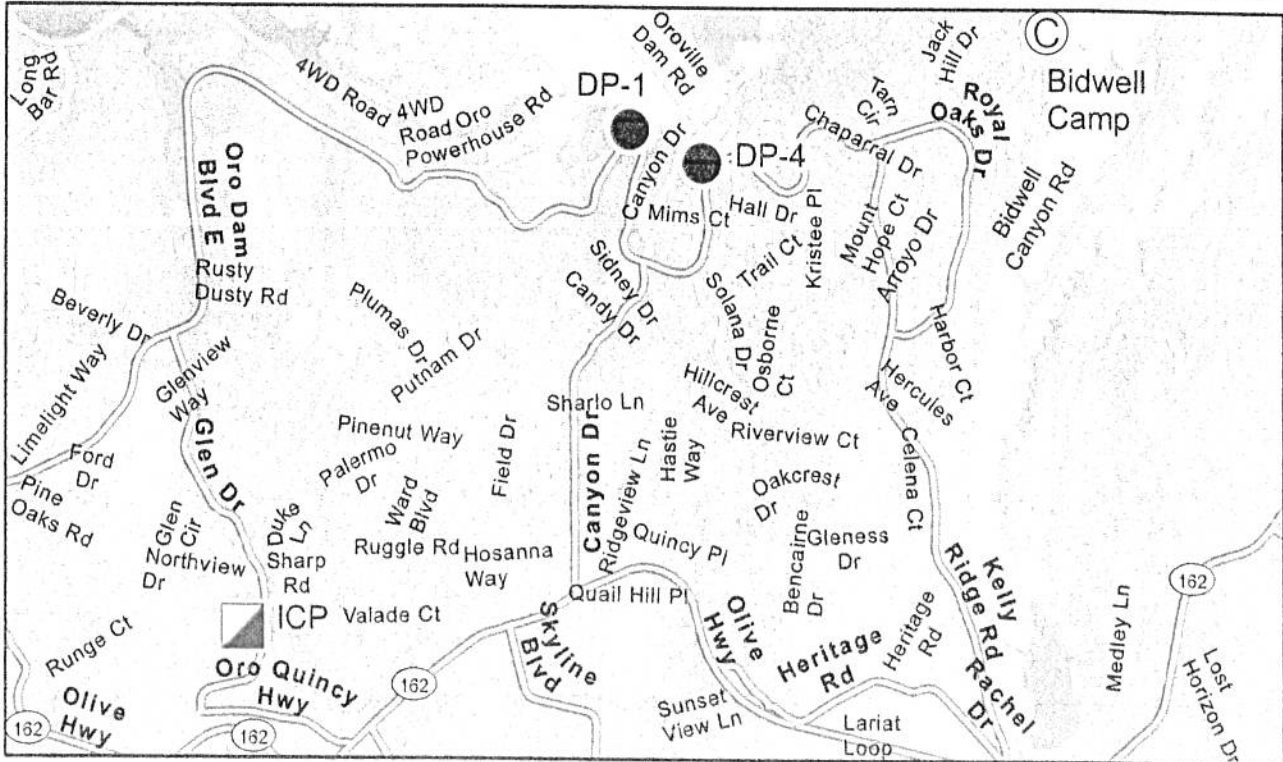
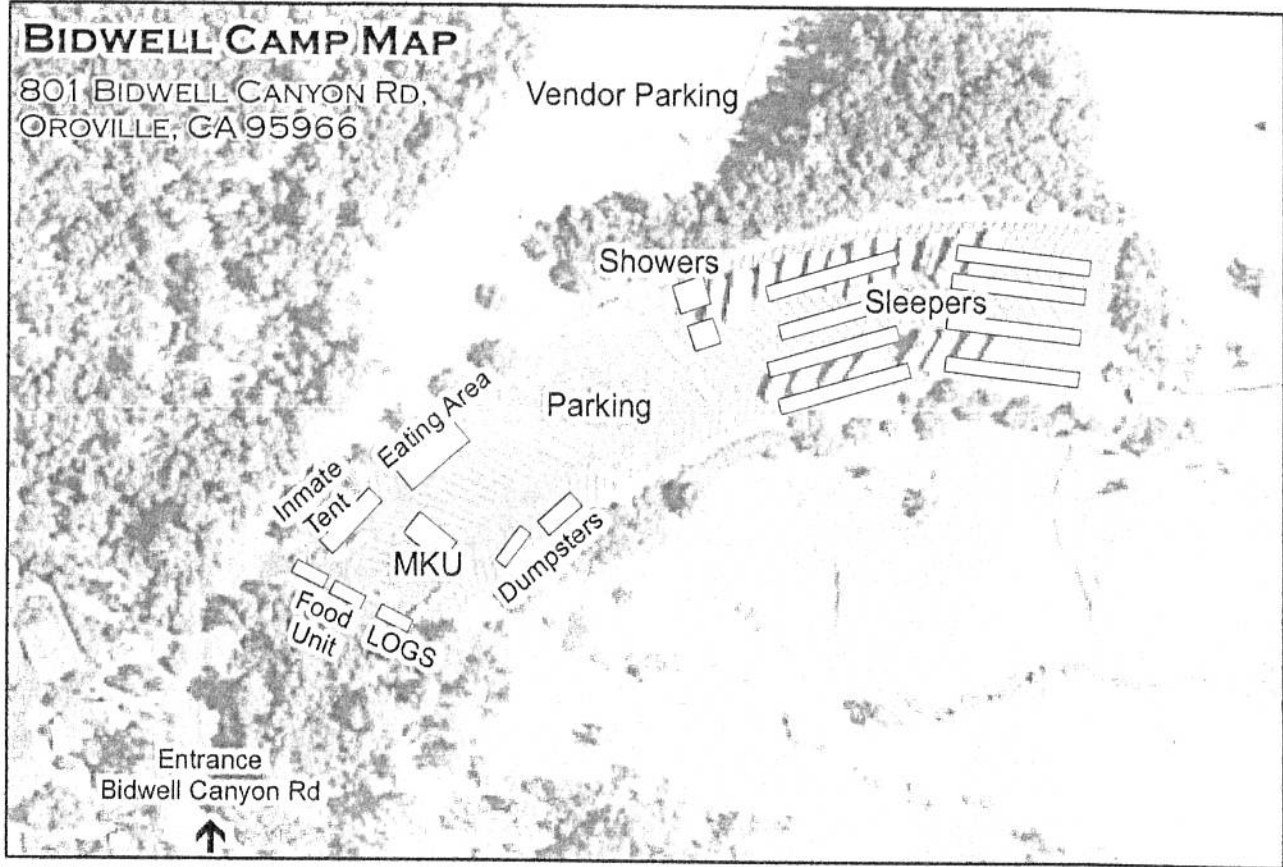
Glen Dr

ICP MAP

460 GLEN DR,
OROVILLE, CA 95966
SPILLWAY DWR
17-CA-CDF-000114

IMT 3 GIS - NAD83 - 2/15/17





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

