Incident Status Summary (ICS-209)

Incident: **Spillway - DWR Assist**

1. Incident Name:	2. Incident Number:
Spillway - DWR Assist	**CA-CDF-000114**

3. Report Version (check one box):	4. Incident Commander(s) & Agency or Organization:	5. Incident Management Organization:	6. Incident Start Date/Time:
Initial **X** Update Final	**Pat Whitlock - DWR - Day** **Gina House - DWR - Night**	**Type 1 Team**	Date: **02/07/2017** Time: **1400 PST**

7. Current Incident Size or Area Involved (use unit label – e.g., "Acres", "Square Miles"):	8a. Percent (%) Contained or Completed: **0 %** b. Total Percentage (%) of Perimeter that will be Contained or Completed: **0 %**	9. Incident Type: **Other** B. Incident Description: **Oroville Dam compromised spillway** C. Cause: **Unknown** D. Fire Suppression Strategy:	10. Incident Complexity Level: **X** Single Complex **Incident Management Team 3 assigned, assisting DWR**	11. Report Time Period: From Date/Time: **02/10/2017 1800 PST** To Date/Time: **02/11/2017 0600 PST**

Strategy	Percent (%)
Monitor	
Confine	
Point Zone Protection	
Full Suppression	

12. Prepared By:	13. Approved By:
Print Name: **Kevin Robinson** Date/Time Prepared: **02/11/2017 0530 PST**	Print Name: **Pat Whitlock** Signature: _____

14. Date/Time Submitted:	15. Primary Location, Organization, or Agency Sent To:
02/11/2017 0558 PST	**Department of Water Resources**

16. State:	17. County / Parish / Borough:	18. City:
CA	**Butte**	**Oroville**

19. Unit or Other:	20. Incident Jurisdiction:	21. Incident Location Ownership (if different than jurisdiction):
	DWR	

22. Latitude/Longitude:	23. US National Grid Reference:	24. Legal Description:
Latitude: **39° 32' 22"** Longitude: **121° 29' 49"**	Grid Zone: x-Coordinate: y-Coordinate:	Principal Meridian: **Mt. Diablo** Township: **19N** Range: **4E** Section: **2** 1/4 Sec: of 1/4 Sec: **NW**

25. Short Location or Area Description (list all affected areas or a reference point):	26. UTM Coordinates:
Oroville Dam Spillway, Feather River, and Thermalito diversion pool	Zone: **10** Easting: **629160** Northing: **4377732**

27. Note any geospatial data available (indicate data format, content, and collection time information and labels):

28. Observed Fire Behavior or Significant Events for the Time Period Reported (describe fire behavior using accepted terminology. For non-fire incidents, describe significant events related to the materials or other causal agents):

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Narrative:

29. Primary Fuel Model, Materials, or Hazards Involved (hazardous chemicals, fuel types, infectious agents, radiation, etc):

Narrative:
Water, concrete, soil/dirt, trees, debris

30. Damage Assessment Information (summarize damage and/or restriction of use or availability to residential or commercial property, natural resources, critical infrastructure and key resources, etc):
A spillway located at the Oroville Dam was compromised during heavy rains. Flowing water was diverted toward the ajoining hillsides, effectively eroding and undermining the spillway causing a section to collapse.

A. Structural Summary	B. # Threatened (up to 72 hrs)	C. # Damaged	D. # Destroyed
E. Single Residences	0	0	0
F. Multiple Residences	0	0	0
G. Mixed Commercial / Residential	0	0	0
H. Nonresidential Commercial Property	0	0	0
I. Other Minor Structures	0	0	0

31. Public Status Summary:
C. Indicate the Number of Civilians (Public) Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	0		0
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
N. Total # Civilians (Public) Affected:	0		0

32. Responder Status Summary:
C. Indicate the Number of Responders Below:

	Previous Report Total	A. # this Reporting Period	B. Total # to-date
D. Fatalities	0		0
E. With Injuries/Illness	0		0
F. Trapped/In Need of Rescue	0		0
G. Missing	0		0
H. Evacuated	0		0
I. Sheltering in Place	0		0
J. In Temporary Shelters	0		0
K. Have Received Mass Immunizations	0		0
L. Require Immunizations	0		0
M. In Quarantine	0		0
N. Total # Responders Affected:	0		0

33. Life, Safety, and Health Status/Threat Remarks:
A decision was made to relocate crews and notify the local sheriff due to lake elevation exceeding the threshold of 898.5'. Lake elevation reaching maximum capacity.

35. Weather Concerns (synopsis of current and predicted weather; discuss related factors that may cause concern):
NWS Forecast for: Oroville CA
Issued by: National Weather Service Sacramento, CA

34. Life, Safety, and Health Threat Management:

	Active?
A. No Likely Threat	
B. Potential Future Threat	
C. Mass Notifications in Progress	
D. Mass Notifications Completed	

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Saturday: 10% chance of light showers in the morning followed by sunny skies, with a high near 61. Northwest wind 5 to 13 mph, with gusts as high as 18 mph. Saturday Night: Clear, with a low around 42. North northeast wind 6 to 9 mph.	

	Active?
E. No Evacuation(s) Imminent	
F. Planning for Evacuation	
G. Planning for Shelter-in-Place	
H. Evacuation(s) in Progress	
I. Shelter-in-Place in Progress	
J. Repopulation in Progress	
K. Mass Immunization in Progress	
L. Mass Immunization Complete	
M. Quarantine in Progress	
N. Area Restriction in Effect	
O. Road Closure	X
P. Trail Closure	X
Q. Area Closure	X

36. Projected Incident Activity, Potential, Movement, Escalation, or Spread and influencing factors during the next operational period and in 12-, 24-, 48-, and 72-hour time frames:

12 hours:	**Spillway operations to continue at 55,000 cfs depending on amount of erosion.**
24 hours:	**Spillway operations to continue at 55,000 cfs depending on amount of erosion.**
48 hours:	**Spillway operations to continue at 55,000 cfs depending on amount of erosion.**
72 hours:	**Spillway operations to continue at 55,000 cfs depending on amount of erosion.**
Anticipated after 72 hours:	**TBD**

37. Strategic Objectives (define planned end-state for incident):

Continue chipping auxiliary spillway north of power lines depending on lake elevation levels. Remove debris and logs out of diversion pool. Place debris on north side dry ground. Improve and maintain existing road infrastructure.

38. Current Incident Threat Summary and Risk Information in 12-, 24-, 48-, and 72-hour timeframes and beyond. Summarize primary incident threats to life, property, communities and community stability, residences, health care facilities, other critical infrastructure and key resources, commercial facilities, natural and environmental resources, cultural resources, and continuity of operations and/or business. Identify corresponding incident-related potential economic or cascading impacts:

12 hours:	**Lake levels rose over night to near max elevation creating potential use of auxiliary spillway. Continued threat of erosion to spillway with monitoring by geology/engineering. Continued erosion threatens DWR power lines. Risk of flooding to Hyatt Power Plant if tailrace elevation reaches 252'. Being mitigated by sandbagging and pumps placed around stoplog slots.**
24 hours:	**Continued threat of erosion to spillway with monitoring by geology/engineering. Continued erosion threatens DWR power lines. Risk of flooding to Hyatt Power Plant if tailrace elevation reaches 252'. Being mitigated by sandbagging and pumps placed around stoplog slots.**
48 hours:	**Continued threat of erosion to spillway with monitoring by geology/engineering. Continued erosion threatens DWR power lines. Debris accumulation in the tailrace and diversion dam pool. Risk of flooding to Hyatt Power Plant if tailrace elevation reaches 252'. Being mitigated by sandbagging and pumps placed around stoplog slots.**
72 hours:	**Continued threat of erosion to spillway with monitoring by geology/engineering. Continued erosion threatens DWR power lines. Debris accumulation in the tailrace and diversion dam pool. Risk of flooding to Hyatt Power Plant if tailrace elevation reaches 252'. Being mitigated by sandbagging and pumps placed around stoplog slots.**

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Anticipated after 72 hours: **Predicted rainfall for the end of next week, Thursday 2/16/17.**

39. Critical Resource Needs in 12-, 24-, 48-, and 72-hour timeframes and beyond to meet critical incident objectives. List resource category, kind, and/or type, and amount needed, in priority order:

12 hours: **N/A**

24 hours: **N/A**

48 hours: **N/A**

72 hours: **N/A**

Anticipated after 72 hours: **N/A**

40. Strategic Discussion: Explain the relation of overall strategy, constraints, and current available information to:
1) critical resource needs identified above,
2) the Incident Action Plan and management objectives and targets,
3) anticipated results.
Explain major problems and concerns such as operational challenges, incident management problems, and social, political, economic, or environmental concerns or impacts.

Resources at scene have been relocated due to lake elevation reaching thresholds. Efforts will continue to ensure that outflow of stored water matches inflows into Oroville Reservoir.

41. Planned Actions for Next Operational Period:

Spillway operations to continue at 55,000 cfs depending on amount of erosion.

42. Projected Final Incident Size/Area (use unit label – e.g., "Acres", "Square Miles"):

43. Anticipated Incident Containment or Completion Date: **02/28/2017**

44. Projected Significant Resource Demobilization Start Date:

45. Estimated Incident Costs to Date: **$325,000.00**

46. Projected Final Incident Cost Estimate:

47. Remarks (or continuation of any blocks above – list block number in notation):

49. Resources (summarize resources by category, kind, and/or type; show # of resources on top ½ of box, show # of personnel associated with resource on bottom ½ of box):

48. Agency or Org		50. Ovhd	51. Tot Pers
C&L	Rsrc		
	Pers	20	20
CA	Rsrc		
	Pers	140	140
CA-CDF	Rsrc		
	Pers	33	33
52. Total Resources			193

53. Additional Cooperating and Assisting Organizations Not Listed Above:

Butte County OES, Caltrans, Yuba Fire Department, Marysville Police Department, Calfire, PG&E, CHP, Cal State Parks, Butte County Sheriff, Oroville Police Department, Oroville Fire Dept, Butte County Public Works, Marysville Hospital