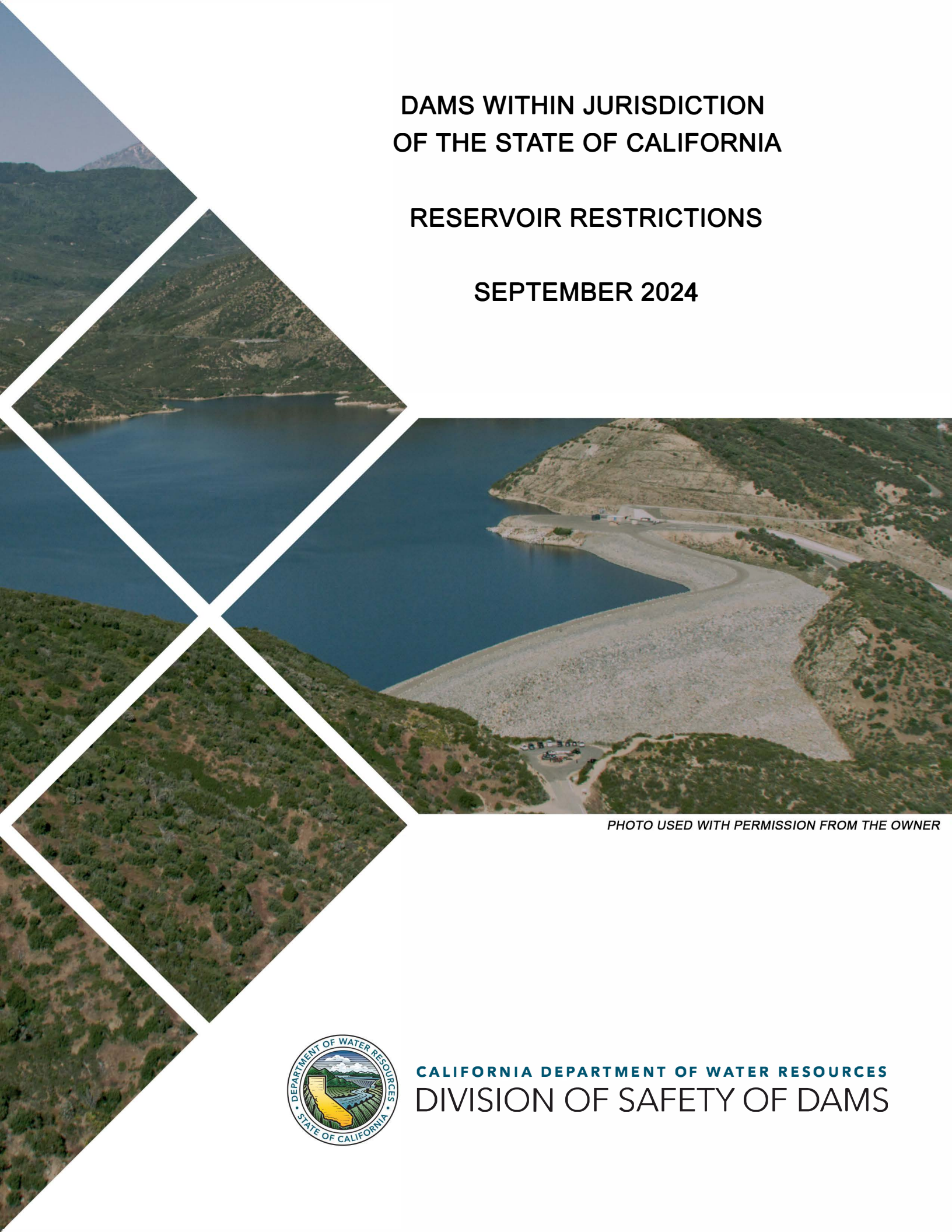


# DAMS WITHIN JURISDICTION OF THE STATE OF CALIFORNIA

## RESERVOIR RESTRICTIONS

SEPTEMBER 2024



*PHOTO USED WITH PERMISSION FROM THE OWNER*



**CALIFORNIA DEPARTMENT OF WATER RESOURCES**  
**DIVISION OF SAFETY OF DAMS**

## **Reservoir Restrictions**

California's Dam Safety Program was established on August 14, 1929. The California Water Code entrusts the state regulatory authority of non-federally owned and operated dams and reservoirs to the Department of Water Resources, which delegates this authority to its Division of Safety of Dams (DSOD). The California Dam Safety Program includes annual maintenance inspections, construction oversight, independent design reviews, re-evaluations of existing dams, inundation map reviews for emergency action plans, and emergency response.

Reservoir restrictions are typically imposed when dam safety related deficiencies are identified at a dam or its related facilities. To reduce the risk, DSOD may direct an owner to operate the reservoir at a water surface elevation level that is lower than the maximum storage level. A reservoir restriction reduces potential downstream impacts to life, property, and the environment by lessening possible flood inundation scenarios as an interim risk reduction measure until the dam or structure is repaired.

The following report contains the dams under DSOD's jurisdiction with restricted reservoirs. DSOD defines the reason for the reservoir restriction in three categories: seismic, hydraulic or other (deficiencies not related to hydraulic or seismic).

---

Dam Name: #3 Forebay

Dam Number: 95-6

Owner Name: Pacific Gas and Electric Company

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: December 28, 2018

Reason for Restriction: Other

Owner's Reported Planned Action(s): PG&E has taken #3 Forebay, an off-stream facility, out of service. The reservoir remains drained and out of service.

---

Dam Name: Almaden

Dam Number: 72-4

Owner Name: Santa Clara Valley Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: March 29, 2012

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): The Almaden Dam Improvements Project is currently under design. The reservoir restriction will be removed after completion of the improvements.

---

Dam Name: Bear Gulch

Dam Number: 581-6

Owner Name: California Water Service Company

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: March 5, 2012

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): Cal Water's dam is safe as operated, and is done so with the approval of DSOD. Cal Water is currently moving forward with updates to the reservoir outlet and continues to evaluate the dam for other needed improvements.

---

---

Dam Name: Calero

Dam Number: 72-3

Owner Name: Santa Clara Valley Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: February 8, 2013

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): The Calero Dam Seismic Retrofit Project is currently under design. The reservoir restriction will be removed after completion of the seismic retrofits.

---

Dam Name: Campbell Lake

Dam Number: 180-0

Owner Name: Jennifer F. and John W. Menke

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: October 6, 2010

Reason for Restriction: Other

Owner's Reported Planned Action(s): The outlet will be used to meet the restricted elevation but will be closed in summer to maintain water for fire emergency situations and due to the curtailment order on irrigation releases.

---

Dam Name: Early Intake

Dam Number: 9-0

Owner Name: San Francisco Public Utilities Commission

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: October 30, 1998

Reason for Restriction: Other

Owner's Reported Planned Action(s): HHWP determined that a short-term improvement is too expensive and doesn't adequately address the needs, so HHWP has moved on to a long-term fix or replacement of this dam. Study is currently occurring on possible options to submit to SFPUC and DSOD.

---

---

Dam Name: El Capitan

Dam Number: 8-7

Owner Name: City of San Diego

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: May 27, 2015

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): Near-term repairs in the spillway is under construction and will be completed this year. A seismic stability analysis is currently underway to develop long-term improvements based on analysis results.

---

Dam Name: El Dorado Forebay

Dam Number: 53-10

Owner Name: El Dorado Irrigation District

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: March 14, 2024

Reason for Restriction: Other

Owner's Reported Planned Action(s): EID has received DSOD&FERC approval to investigate&repair the void in the upstream right abutment. Work is scheduled to begin in early October 2024 & consists of a flow test, tracer study, grout placement, exploration/backfill, & reservoir test fill.

---

Dam Name: Gem Lake

Dam Number: 104-37

Owner Name: Southern California Edison

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: February 14, 2013

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): As planned, the Arch 8 outlet has been upgraded to help maintain safe reservoir levels. The permanent mitigation will be determined through consultation with resource agencies and stakeholders during relicensing.

---



---

Dam Name: Guadalupe

Dam Number: 72-5

Owner Name: Santa Clara Valley Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: April 25, 2012

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): The Guadalupe Dam Seismic Retrofit Project is currently under design. The reservoir restriction will be removed after completion of the seismic retrofits.

---

Dam Name: Haiwee

Dam Number: 6-24

Owner Name: City of Los Angeles Department of Water and Power

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: July 23, 2002

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): A new earthfill dam will be constructed 800' north of the existing North Haiwee Dam. The new dam is currently under construction. Field verification testing for the foundation ground improvement has been completed and foundation excavation is in progress.

---

Dam Name: Healdsburg Recreation

Dam Number: 1002-0

Owner Name: County of Sonoma Regional Parks Department

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: August 25, 2014

Reason for Restriction: Other

Owner's Reported Planned Action(s): Per DSOD's reservoir restrictions in place, Healdsburg Recreation Dam operates at a reduced reservoir height of 7' and completes annual monitoring of critical dam components.

---

---

Dam Name: Lafayette

Dam Number: 31-2

Owner Name: East Bay Municipal Utility District

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: December 11, 2017

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): The dam is safe. Tower and conduit seismic upgrades required. EBMUD lowered the reservoir level, completed supplemental analysis and 60% design documents. Public outreach, permitting and final design underway, with construction planned for 2025.

---

Dam Name: Lake Alta

Dam Number: 1030-7

Owner Name: Placer County Water Agency

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: June 7, 2019

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): Stability analysis has been reviewed by the design consultant and recommendations for design will be presented to DSOD for review. Design of the improvements to the dams will proceed upon review and approval.

---

Dam Name: Lake Buck

Dam Number: 291-0

Owner Name: Wendy Baroli and Jill S. Heaton

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: November 8, 2017

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): No response from dam owner.

---

---

Dam Name: Lake Curry

Dam Number: 14-0

Owner Name: City of Vallejo

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: November 8, 1995

Reason for Restriction: Other

Owner's Reported Planned Action(s): The radial gates will be maintained in the raised position, and will be adequately secured in a full open position. The radial gates will be assessed for replacement or removal upon the completion of the spillway re-design being performed by Consultants.

---

Dam Name: Lake Hodges

Dam Number: 8-3

Owner Name: City of San Diego

Condition Assessment: Unsatisfactory

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: February 2, 2023

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): Near-term repairs on the dam's upstream face, spillway, and inside the tunnel have been completed. Vegetation removal and leakage monitoring improvements will start in 2025. 10% design of the new dam is being developed.

---

Dam Name: Lake Wohlford

Dam Number: 834-0

Owner Name: City of Escondido

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: November 8, 2007

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): A replacement dam has been designed to go downstream of the existing dam. The project EIR has been certified. The City is in the process of obtaining environmental permits for the project.

---



---

Dam Name: Lee Lake

Dam Number: 818-2

Owner Name: Elsinore Valley Municipal Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: November 20, 2019

Reason for Restriction: Other

Owner's Reported Planned Action(s): EVMWD received comments from DSOD on the 50% design and is currently reviewing and evaluating DSOD comments.

---

Dam Name: Leroy Anderson

Dam Number: 72-9

Owner Name: Santa Clara Valley Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: May 8, 2017

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): The Anderson Dam Seismic Retrofit Project is currently under design. The reservoir restriction will be removed after completion of the seismic retrofits.

---

Dam Name: Lower Blue Lake

Dam Number: 97-62

Owner Name: Pacific Gas and Electric Company

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: July 27, 2018

Reason for Restriction: Other

Owner's Reported Planned Action(s): PG&E is currently addressing FERC comments on the 100-percent design documents. This project will go through permitting in 2025. The project is scheduled to begin construction in summer of 2026.

---

---

Dam Name: Matilija

Dam Number: 86-0

Owner Name: Ventura County Watershed Protection District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: October 29, 2020

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): One of six downstream infrastructure projects required prior to dam removal was completed in October 2022 (new Santa Ana Bridge). Long-term action is to remove the dam in 2035.

---

Dam Name: McCloud

Dam Number: 97-123

Owner Name: Pacific Gas and Electric Company

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: January 9, 2020

Reason for Restriction: Other

Owner's Reported Planned Action(s): PG&E has completed an analysis of alternatives for a project to alter the spillway and thereby increase the capacity of the spillway. A board of consultants has been formed. PG&E is working to begin design of the project.

---

Dam Name: Misselbeck

Dam Number: 2220-2

Owner Name: Igo-Ono Community Services District

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: November 2, 2017

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): The Igo Ono Community Services District (IOCS D) is looking for and applying for funding to do pre-construction dam buttress planning and design.

---

---

Dam Name: Moccasin Lower

Dam Number: 9-4

Owner Name: San Francisco Public Utilities Commission

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: April 3, 2019

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): HHWP begun the preliminary designs of the new wider and deeper auxiliary spillway which will be able to pass the latest PMF so Hetch Hetchy can better manage storm flows and allow Hetch Hetchy to apply to lift the current elevation restriction.

---

Dam Name: Morena

Dam Number: 8-5

Owner Name: City of San Diego

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: November 10, 2021

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): Near-term repairs in the spillway is under construction and will be completed this year. A condition assessment involving geotechnical investigations is currently underway to develop long-term improvement alternatives.

---

Dam Name: Murray

Dam Number: 8-12

Owner Name: City of San Diego

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: July 19, 2023

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): Design of near-term repairs surrounding the dam are being implemented. The seismic stability analysis has been completed. Additional analyses will be needed to determine the long-term improvements necessary to mitigate the seismic stability concerns.

---

---

Dam Name: North Fork

Dam Number: 77-0

Owner Name: Pacheco Pass Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: April 6, 2018

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): Pacheco Pass Water District is seeking additional grant funding to address rising construction costs.

---

Dam Name: Patterson

Dam Number: 1065-0

Owner Name: Alameda County Water District

Condition Assessment: Fair

Downstream Hazard Potential Classification: Significant

Effective Date of Restriction: September 13, 2004

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): ACWD will continue operating the reservoir at the DSOD restricted level. ACWD is currently designing a permanent solution to address the restriction. A 65% design package will be submitted to DSOD in July 2024.

---

Dam Name: Relief

Dam Number: 97-80

Owner Name: Pacific Gas and Electric Company

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: June 2, 2024

Reason for Restriction: Other

Owner's Reported Planned Action(s): PG&E has begun a multi-year maintenance program to repair deteriorated concrete on the dam's upstream face at Relief Dam. PG&E plans to continue the program until a long-term solution is completed for the upstream face of the dam, by the end of 2026.

---

---

Dam Name: San Andreas

Dam Number: 10-10

Owner Name: City and County of San Francisco

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: August 3, 2020

Reason for Restriction: Other

Owner's Reported Planned Action(s): The SFPUC has prepared a 15-year Dam Safety Improvement Plan to make improvements to our dams, including the San Andreas Dam and Spillway. The plan is to complete investigative work, to evaluate all options and to determine the scope of work by 2024.

---

Dam Name: Santa Anita Debris Basin

Dam Number: 32-29

Owner Name: Los Angeles County Department Of Public Works

Condition Assessment: Fair

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: June 7, 1995

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): LACPW is actively working on a Seismic Strengthening Project for Santa Anita DB Dam. LACPW continues to pursue regulatory permits and has received a grant to assist with funding. Project construction is scheduled for 2025-26.

---

Dam Name: Santiago Creek

Dam Number: 75-0

Owner Name: Serrano Water District and Irvine Ranch Water District

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: May 8, 2020

Reason for Restriction: Other

Owner's Reported Planned Action(s): IRWD and SWD continue the design of the new spillway and inclined outlet structure. The districts completed the spillway physical model and geotechnical investigation, advanced CEQA, and completed 90% design. Replacement facilities will be online by 2029.

---

---

Dam Name: Sawpit Debris Basin

Dam Number: 32-31

Owner Name: Los Angeles County Department Of Public Works

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: June 7, 1995

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): LACPW is actively working on a Seismic Strengthening Project for Sawpit DB Dam. LACPW is currently revising the Project's design plans to relocate the outlet tower for improved drainage reliability. Project construction is scheduled for 2026-27.

---

Dam Name: Scotia Log Pond

Dam Number: 205-0

Owner Name: Scotia Community Services District

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: April 6, 2018

Reason for Restriction: Other

Owner's Reported Planned Action(s): Scotia CSD has completed a portion of the project for the embankment. The remainder is pending final design and commencement of the Phase 4 Subdivision Project. The District will continue to restrict the level required by DSOD.

---

Dam Name: Scott

Dam Number: 97-101

Owner Name: Pacific Gas and Electric Company

Condition Assessment: Fair

Downstream Hazard Potential Classification: High

Effective Date of Restriction: April 12, 2023

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): PG&E is preparing a license surrender application for the Potter Valley Project to address the eventual disposition of Scott Dam and is planning long-term mitigation measures which could include expedited partial or full removal of Scott Dam.

---



---

Dam Name: Selvage #2

Dam Number: 625-0

Owner Name: Lucky Hereford Ranch

Condition Assessment: Poor

Downstream Hazard Potential Classification: Low

Effective Date of Restriction: December 29, 2008

Reason for Restriction: Other

Owner's Reported Planned Action(s): The valve was cut off so no storage can occur.

---

Dam Name: St. Helena Lower

Dam Number: 16-2

Owner Name: City of Saint Helena

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: February 1, 2016

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): No response from dam owner.

---

Dam Name: Swanzy Lake

Dam Number: 14-5

Owner Name: City of Vallejo

Condition Assessment: Poor

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: June 22, 2023

Reason for Restriction: Hydraulic

Owner's Reported Planned Action(s): City plans to replace downstream control valve.

---

---

Dam Name: Tinemaha

Dam Number: 6-26

Owner Name: City of Los Angeles Department of Water and Power

Condition Assessment: Poor

Downstream Hazard Potential Classification: High

Effective Date of Restriction: March 3, 1993

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): LADWP initiated the Tinemaha Dam Replacement Project to replace the existing dam. The project is in the final planning phase. The new facility is scheduled to be commissioned in May 2035. The dam is safe to operate at the restricted level.

---

Dam Name: Vail

Dam Number: 2028-0

Owner Name: Rancho California Water District

Condition Assessment: Fair

Downstream Hazard Potential Classification: Extremely High

Effective Date of Restriction: June 2, 2015

Reason for Restriction: Seismic

Owner's Reported Planned Action(s): Vail Dam Rehabilitation design was approved by DSOD on July 14, 2023. CEQA was approved on April 12, 2023. FEMA is working on NEPA clearance and funding. Permits and approvals followed by dam construction anticipated by Fall 2025.

---

Dam Name: Williamson No. 1

Dam Number: 464-0

Owner Name: Macy Mak Chan, Michael Chan, and Melinda Lau

Condition Assessment: Poor

Downstream Hazard Potential Classification: Significant

Effective Date of Restriction: May 7, 2009

Reason for Restriction: Other

Owner's Reported Planned Action(s): Being a seasonal pond, with the exception of heavy rain during the few months, the level of the pond is typically far below the 8' during the rest of the year. Both gate valves, plus siphoning pipe are open to take level down asap.

---