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:** Fair
- **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: Bass Lake
- **Dam Number:** 1-85
- **Owner Name:** California Department of Fish and Wildlife
- **Condition Assessment:** Poor
- **Downstream Hazard Potential Classification:** Low
- **Effective Date of Restriction:** June 28, 2022
- **Reason for Restriction:** Other
- **Owner's Reported Planned Action(s):** Repairs to the outflow gate at Bass Lake were completed July 2023. DFW has a contract with a consultant to remove vegetation and repair rodent damage. The work is expected to be completed prior to the 2024 winter diversion season.
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 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 future improvements.

Dam Name: Black Rock Creek  
Dam Number: 643-0  
Owner Name: White Rock Club, Inc.  
Condition Assessment: Fair  
Downstream Hazard Potential Classification: Low  
Effective Date of Restriction: June 12, 2023  
Reason for Restriction: Other  
Owner's Reported Planned Action(s): During the 2022-2023 winter storms, some loose fill dirt washed into Black Rock Creek downstream of the our dam. We have an engineer and heavy equipment company who will distribute the dirt and compact to avoid future problems.

Dam Name: Calero  
Dam Number: 72-3  
Owner Name: Santa Clara Valley Water District  
Condition Assessment: Fair  
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: Private Entity
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): An initial geologic and seismic stability evaluation of El Capitan Dam has been completed. Additional analyses will be needed to determine if improvements to the dam are needed to mitigate the seismic stability concern.
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: Fair
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 earth fill dam will be constructed 800 feet north of the existing North Haiwee Dam. Ground improvement will be completed for the foundation of the new dam. The new dam project is currently in construction.
Restricted Dams
Listed Alphabetically by Dam Name

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 are required. EBMUD lowered the reservoir level, completed supplemental analysis, and completed 60% design documents. Public outreach and permitting are underway, with construction planned for 2024.

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: Private Entity
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): A depth survey will be performed to determine reservoir storage capacity at the current lowered spillway control section with the intent to eventually remove the dam from state jurisdiction.

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): A comprehensive condition assessment and a seismic stability analysis have been completed. Near-term repairs surrounding the dam and spillway apron are being implemented. Long-term improvements are being developed to increase dam safety and performance.
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 is currently in the process of upgrading the dam by removal of the existing dam and replacement with a new dam. The application for the 50% design review has been submitted to DSOD, and they are currently reviewing the 50% design submittal.

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.
<table>
<thead>
<tr>
<th>Dam Name</th>
<th>Dam Number</th>
<th>Owner Name</th>
<th>Condition Assessment</th>
<th>Downstream Hazard Potential Classification</th>
<th>Effective Date of Restriction</th>
<th>Reason for Restriction</th>
<th>Owner's Reported Planned Action(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower Blue Lake</td>
<td>97-62</td>
<td>Pacific Gas and Electric Company</td>
<td>Fair</td>
<td>Low</td>
<td>July 27, 2018</td>
<td>Other</td>
<td>PG&amp;E has completed 100-percent design for improvements to mitigate adverse seepage conditions and liquefaction potential at the dam. The project is scheduled to begin construction in the summer of 2024.</td>
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<tr>
<td>Matilija</td>
<td>86-0</td>
<td>Ventura County Watershed Protection District</td>
<td>Poor</td>
<td>Extremely High</td>
<td>October 29, 2020</td>
<td>Seismic</td>
<td>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.</td>
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<tr>
<td>McCloud</td>
<td>97-123</td>
<td>Pacific Gas and Electric Company</td>
<td>Fair</td>
<td>High</td>
<td>January 9, 2020</td>
<td>Other</td>
<td>An analysis of potential alternatives for a project to replace the spillway and thereby increase the capacity of the spillway is underway. PG&amp;E is working to select a preferred alternative and plans to begin design of the project in 2024.</td>
</tr>
</tbody>
</table>
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 (IOCSD) 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): The City of San Diego will acquire consultant services to perform a comprehensive condition assessment.
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): The City will perform a seismic stability analysis and long-term improvements will be developed based on the analysis results.

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 in the process of soliciting contractors to complete the interim repairs to correct the deficiencies at the North Fork Dam. A proposal plan and schedule to be submitted to Cal OES.

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 max elevation. In addition, ACWD has posted a RFP for professional engineering services for design and to install an earth berm around the reservoir and to provide additional freeboard.
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 completed construction and testing of the spillway physical model, completed the 60% design, and is on schedule to complete the design in 2024. Replacement facilities will be online 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.

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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.

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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: Fair
Downstream Hazard Potential Classification: High
   Effective Date of Restriction: February 1, 2016
   Reason for Restriction: Seismic
   Owner's Reported Planned Action(s): The City plans to maintain St. Helena Lower Dam at the reduced capacity. The City utilizes the reservoir to provide non-potable water to vineyards. A study will be initiated to review additional opportunities for beneficial use of this resource.

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 preliminary planning phase, and the estimated construction completion date is June 2033. The dam is safe to operate at the current restricted level.

Dam Name: Tuolumne Log Pond
Dam Number: 558-0
Owner Name: The Tuolumne Band of Me-Wuk Indians
Condition Assessment: Fair
Downstream Hazard Potential Classification: High
Effective Date of Restriction: November 10, 2011
Reason for Restriction: Other
Owner's Reported Planned Action(s): Construction started in 2022. Completion date of December 2023. The gates remain removed. The reservoir is empty and there is no hazard.

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 Project Design is 100% complete and under DSOD review. EIR was adopted by the RCWD Board. Permitting and NEPA compliance anticipated for completion in early-2024, followed by bidding and start of construction.
Dam Name: Williamson No. 1
Dam Number: 464-0
Owner Name: Private Entity
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): The reservoir is maintained at the restricted level, 8 feet below the certified elevation. The valve associated with the high level outlet is left fully open to maintain this restriction. The property caretaker checks reservoir conditions weekly.