

DSOD safety rating for IRWD dams

Dam	DSOD rating*	Reservoir capacity (acre-feet)	Restricted capacity (acre-feet)	Restricted capacity	Reason for restriction	DSOD hazard potential classification**	Inspection reports
Rattlesnake	Satisfactory	1,480	1,102 (406 feet)	78%	Seismic stability concern***	Extremely high	DSOD Report
San Joaquin	Satisfactory	3,036	None	N/A	N/A	Extremely high	DSOD Report
Sand Canyon	Satisfactory	768	None	N/A	N/A	Extremely high	DSOD Report
Santiago Creek	Poor****	25,000	None	N/A	N/A	Extremely high	DSOD Report
Syphon	Satisfactory	578	None	N/A	N/A	Extremely high	DSOD Report

* In accordance with annual data collected by the US Army Corp of Engineers for the National Inventory of Dams, the California Division of Safety of Dams (DSOD) rates the condition of all jurisdictional dams as satisfactory, fair, poor, unsatisfactory, or not rated. Dams without identified deficiencies are considered satisfactory, whereas dams with unresolved deficiencies will be considered in fair, poor, or unsatisfactory condition depending on the severity of the deficiencies.

** The California Division of Safety of Dams (DSOD) [hazard potential classifications](#) are based on Federal guidelines published by the Federal Emergency Management Agency (FEMA). FEMA recommends a three-step rating system that defines low, significant and high hazard potential classifications, which are determined from potential loss of life, economic loss, and environmental damage resulting from a hypothetical dam failure. DSOD further subdivides FEMA's High classification to an Extremely High classification in order to identify dams upstream of highly populated areas or extensive development dams with short evacuation waiting times. Whenever the population is at risk within the inundation area is 1,000 persons or more, the dam is generally assigned an Extremely High classification.

*** With a restricted capacity, Rattlesnake Dam's condition is rated Satisfactory, the highest condition rating assigned by the California Division of Safety of Dams.

**** The spillway on Santiago Creek Dam is nearing the end of its useful life. To maintain safety, IRWD is minimizing the use of the spillway by implementing an Interim Lake Level Operations Plan approved by the California Division of Safety of Dams. Click here for information on [Santiago Creek Dam](#).