
Dam Safety Report Released: Inspections & Monitoring Detailed

NID has released its 2021 Dam Safety Activities Report, detailing various inspections and monitoring conducted last year.

The District owns and operates 15 dams under the jurisdiction of the California Division of Safety of Dams (DSOD). All but two are also under the jurisdiction of the Federal Energy Regulatory Commission (FERC).

Evaluations and Assessments

Combie Dam Protection against scour under probable maximum flood (PMF) - NID conducted the Alternative Analyses and Conceptual Design for protection against scour in the abutment groins during PMF flows. NID plans to start the design phase of the project in 2024.

Scotts Flat Spillway Upgrades - In 2021 the District performed a physical hydraulic modeling study to analyze the effects of the flow and to modify the spillway. The spillway upgrade alternative study report will be completed in 2022. NID will then propose the selected alternate, sloped or vertical chute walls, to DSOD and FERC.

Dam seismic stabilities - NID conducted a blanket seismic stability re-evaluation of all of the 13 major dams. In 2022, the District plans to analyze the seismic stability of Milton Diversion Main Dam and South Dam (both are arch dams) using the seismic hazards and design ground motions to be updated later in 2022.



Bowman South Arch

Sawmill Dam Spillway – the District has completed a spillway crest structure stability evaluation (for sloped slab, buttress wall, and retaining wall). The structural stability analysis, completed in 2021, concluded that the existing spillway structure has sufficient structural capacities to resist their loading.

Scotts Flat Penstock Seismic Analysis Update – The District has conducted assessment of the seismic stability of the 36-inch Scotts Flat outlet pipe in the outlet tunnel in the right abutment. The report is expected to be completed in 2022.

Jackson Meadows Spillway Crest Structure Stabilities and Radial Gates Safety – The District has completed in 2021 two assessments: seismic stabilities of the spill crest structure and the safety of the steel radial gates under various loading conditions. Both were determined to be stable and safe.



Combie Dam

[Click here to access the report for details about assessments of specific dams.](#)