

# Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: \_\_\_\_\_

Project Title: Santiago Creek Dam Outlet and Spillway Improvements

Lead Agency: Irvine Ranch Water District

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Project Location: Unincorporated Orange County Orange  
*City* *County*

Project Description (Proposed actions, location, and/or consequences).

The proposed Project is located at Santiago Creek Dam at the northwest end of Irvine Lake in unincorporated Orange County, California. Santiago Creek Dam impounds Irvine Lake. The proposed Project is located south of State Route (SR) 261 and east of SR-241 and Santiago Canyon Road. Existing structures include the dam, outlet tower in Irvine Lake, spillway channel, flashboard storage shed, control house/outlet works, energy dissipater structure, Irvine Lake pipeline (ILP), and dam access road. The Project proposes to construct a new inclined inlet/outlet structure located on the left abutment of the dam. Inlet/Outlet works would be configured to incorporate the new structure, including new valves and fittings. The ILP would be upsized and relocated underneath the proposed spillway structure. The existing spillway would be replaced with a new side-channel spillway at the left abutment. Ancillary site improvements are also proposed for the Project, including a new access road and ramp to provide vehicle access to the new inclined/outlet structure; a new control building to house the pneumatic actuation system for the submerged butterfly valves; widening of the existing dam crest with a retaining wall system; raising of the dam crest with a concrete parapet wall; a new emergency access walkway and stair system to reach the inclined inlet/outlet structure and dam crest from the adjacent landfill facility during a reservoir spill event; and a new prefabricated truss-type bridge structure across the proposed spillway. The Project also includes raising the spillway 6 feet to 797.9 feet, which is 2 feet higher than the existing maximum water storage elevation with the flashboards installed. Raising the spillway would allow the dam to impound water to be up to the 797.9-foot elevation contour year-round, which would allow storage of approximately an additional 1,600 acre-feet of water.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

The following topics were found to have No Impact or a Less Than Significant Impact: Agriculture and Forest Resources, Hazards and Hazardous Materials, Mineral Resources, Population and Housing, Public Services, Recreation, and and Wildfire.

The following topics were found to have a Potentially Significant Impact and will be evaluated in the Draft EIR: Aesthetics, Air Quality, Biological Resources, Cultural Resources, Energy, Geology and Soils, Greenhouse Gas Emissions, Hydrology and Water Quality, Land Use and Planning, Noise, Transportation, Tribal Cultural Resources, Utilities and Service Systems.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

No known areas of controversy.

Provide a list of the responsible or trustee agencies for the project.

Jurisdictional agencies with potential involvement in the Project include the following:

- California Department of Fish and Wildlife
- California Department of Water Resources, Division of Safety of Dams
- State Water Resources Control Board
- Regional Water Quality Control Board
- State Historic Preservation Office
- United States Fish and Wildlife Service
- County of Orange