

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P.O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # 2023050097

Project Title: Santiago Creek Dam Improvement Project

Lead Agency: Irvine Ranch Water District Contact Person: Fiona Sanchez
 Mailing Address: P.O. Box 57000 Phone: 949-453-5325
 City: Irvine Zip: 92619-7000 County: Orange County

Project Location: County: Orange City/Nearest Community: Santiago Canyon
 Cross Streets: South of SR-261 and east of SR-241 and Santiago Canyon Road Zip Code: 92676
 Longitude/Latitude (degrees, minutes and seconds): 33°46'21.6" N/117°43'02.4" W Total Acres: 59
 Assessor's Parcel No.: _____ Section: 3, 4, 33, 34 Twp: 4S, 5S Range: 8W Base: Blackstar Canyon
 Within 2 Miles: State Hwy. #: SR-241, SR-261, I-5 Waterways: Irvine Lake Schools: Chapman Hills ES, Santiago Canyon College
 Airports: _____ Railways: _____

Document Type:

- | | | | |
|--------------------------------------|--|------------------------------------|--|
| CEQA: <input type="checkbox"/> NOP | <input checked="" type="checkbox"/> Draft EIR | NEPA: <input type="checkbox"/> NOI | Other: <input type="checkbox"/> Joint Document |
| <input type="checkbox"/> Early Cons | <input type="checkbox"/> Supplement/Subsequent EIR | <input type="checkbox"/> EA | <input type="checkbox"/> Final Document |
| <input type="checkbox"/> Neg Dec | (Prior SCH No.) _____ | <input type="checkbox"/> Draft EIS | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Mit Neg Dec | Other: _____ | <input type="checkbox"/> FONSI | |

Local Action Type:

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> General Plan Update | <input type="checkbox"/> Specific Plan | <input type="checkbox"/> Rezone | <input type="checkbox"/> Annexation |
| <input type="checkbox"/> General Plan Amendment | <input type="checkbox"/> Master Plan | <input type="checkbox"/> Prezone | <input type="checkbox"/> Redevelopment |
| <input type="checkbox"/> General Plan Element | <input type="checkbox"/> Planned Unit Development | <input type="checkbox"/> Use Permit | <input type="checkbox"/> Coastal Permit |
| <input type="checkbox"/> Community Plan | <input type="checkbox"/> Site Plan | <input type="checkbox"/> Land Division (subdivision, etc.) | <input checked="" type="checkbox"/> Other: <u>project approval</u> |

Development Type:

- | | |
|---|--|
| <input type="checkbox"/> Residential: Units _____ Acres _____ | <input type="checkbox"/> Transportation: Type _____ |
| <input type="checkbox"/> Office: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Mining: Mineral _____ |
| <input type="checkbox"/> Commercial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Power: Type _____ MW _____ |
| <input type="checkbox"/> Industrial: Sq.ft. _____ Acres _____ Employees _____ | <input type="checkbox"/> Waste Treatment: Type _____ MGD _____ |
| <input type="checkbox"/> Educational _____ | <input type="checkbox"/> Hazardous Waste: Type _____ |
| <input type="checkbox"/> Recreational _____ | |
| <input checked="" type="checkbox"/> Water Facilities: Type <u>dam and reservoir</u> MGD <u>22.3</u> | <input type="checkbox"/> Other: _____ |

Project Issues Discussed in Document:

- | | | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> Aesthetics/Visual | <input type="checkbox"/> Fiscal | <input checked="" type="checkbox"/> Recreation/Parks | <input checked="" type="checkbox"/> Vegetation |
| <input checked="" type="checkbox"/> Agricultural Land | <input checked="" type="checkbox"/> Flood Plain/Flooding | <input checked="" type="checkbox"/> Schools/Universities | <input checked="" type="checkbox"/> Water Quality |
| <input checked="" type="checkbox"/> Air Quality | <input checked="" type="checkbox"/> Forest Land/Fire Hazard | <input checked="" type="checkbox"/> Septic Systems | <input checked="" type="checkbox"/> Water Supply/Groundwater |
| <input checked="" type="checkbox"/> Archaeological/Historical | <input checked="" type="checkbox"/> Geologic/Seismic | <input checked="" type="checkbox"/> Sewer Capacity | <input checked="" type="checkbox"/> Wetland/Riparian |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Greenhouse Gas Emissions | <input checked="" type="checkbox"/> Soil Erosion/Compaction/Grading | <input checked="" type="checkbox"/> Growth Inducement |
| <input type="checkbox"/> Coastal Zone | <input checked="" type="checkbox"/> Minerals | <input checked="" type="checkbox"/> Solid Waste | <input checked="" type="checkbox"/> Land Use |
| <input checked="" type="checkbox"/> Drainage/Absorption | <input checked="" type="checkbox"/> Noise | <input checked="" type="checkbox"/> Toxic/Hazardous | <input checked="" type="checkbox"/> Cumulative Effects |
| <input type="checkbox"/> Economic/Jobs | <input checked="" type="checkbox"/> Population/Housing Balance | <input checked="" type="checkbox"/> Traffic/Circulation | <input type="checkbox"/> Other: _____ |
| <input checked="" type="checkbox"/> Energy | <input checked="" type="checkbox"/> Public Services/Facilities | <input checked="" type="checkbox"/> Tribal Cultural Resources | |

Present Land Use/Zoning/General Plan Designation:

Present land use is Santiago Creek Dam and Irvine Lake. General Plan/zoning designations are Open Space/General Agricultural with Open Space Reserve overlay.

Note: The State Clearinghouse will assign identification numbers for all new projects. If a SCH number already exists for a project (e.g., Notice of Preparation or previous draft document) please fill in.

Project Description: *(please use a separate page if necessary)*

Santiago Creek Dam was originally constructed in 1933 to store water in Irvine Lake for the benefit of the surrounding communities. The Project proposes to rehabilitate and replace the Santiago Creek Dam outlet tower and spillway facilities and to modify the embankment to permit operation of the facilities for a long-term water resource benefit. The Project includes construction of a new inlet/outlet works, including an inclined inlet/outlet structure, intake riser pipelines and platforms, bifurcation valve vault, emergency outlet pipeline, and emergency outlet valve vault. The existing spillway would be replaced with a new side-channel spillway, and a portion of the Irvine Lake pipeline would be upsized and relocated to belowground beneath the proposed spillway structure. The Project includes improvements to the dam crest, removing the dam face, installing a filter drain system within new embankment shell material, widening the dam crest, raising the elevation of the dam crest by up to one foot, and installing protective railings. Ancillary site improvements are also proposed for the Project, including a new inlet/outlet access roadway, spillway bridge, dam control building, and emergency access walkway and stairs. The Project also includes raising the spillway by six feet to approximately 797.9 feet, which is two feet higher than the existing maximum water storage elevation with the flashboards installed. Raising the spillway would allow the dam to impound water up to the 797.9-foot elevation contour year-round, which would allow for storage of an additional approximately 1,600 acre-feet of water. Construction work is anticipated to occur over a four-year period of time, assuming downtime associated with weather restrictions, beginning in approximately fall 2027 (exact dates subject to change).

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

- | | |
|--|--|
| <input checked="" type="checkbox"/> Air Resources Board | <input checked="" type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Public School Construction |
| <input checked="" type="checkbox"/> California Emergency Management Agency | <input type="checkbox"/> Parks & Recreation, Department of |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input checked="" type="checkbox"/> Caltrans District # 12 | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input checked="" type="checkbox"/> Regional WQCB # 8 |
| <input type="checkbox"/> Caltrans Planning | <input checked="" type="checkbox"/> Resources Agency |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input type="checkbox"/> Resources Recycling and Recovery, Department of |
| <input type="checkbox"/> Coachella Valley Mtns. Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Comm. |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers & Mountains Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input checked="" type="checkbox"/> Conservation, Department of | <input type="checkbox"/> Santa Monica Mountains Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input checked="" type="checkbox"/> SWRCB: Water Quality |
| <input type="checkbox"/> Energy Commission | <input checked="" type="checkbox"/> SWRCB: Water Rights |
| <input checked="" type="checkbox"/> Fish & Wildlife Region # 5 | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input checked="" type="checkbox"/> Toxic Substances Control, Department of |
| <input checked="" type="checkbox"/> Forestry and Fire Protection | <input checked="" type="checkbox"/> Water Resources, Department of |
| <input type="checkbox"/> General Services, Department of | <input type="checkbox"/> Other: SWRCB Division of Drinking Water |
| <input type="checkbox"/> Health Services, Department of | <input checked="" type="checkbox"/> Other: DWR Division of Safety of Dams |
| <input type="checkbox"/> Housing & Community Development | <input type="checkbox"/> Other: _____ |
| <input checked="" type="checkbox"/> Native American Heritage Commission | <input type="checkbox"/> Other: _____ |

Local Public Review Period (to be filled in by lead agency)

Starting Date: April 28, 2025

Ending Date: June 11, 2025

Lead Agency (Complete if applicable):

Consulting Firm: <u>Psomas</u>	Applicant: _____
Address: <u>5 Hutton Centre Drive, Suite 300</u>	Address: _____
City/State/Zip: <u>Santa Ana, CA 92707</u>	City/State/Zip: _____
Contact: <u>Jennifer Marks</u>	Phone: _____
Phone: <u>714-481-8041</u>	

Signature of Lead Agency Representative: _____



Date: 4-22-25

Authority cited: Sections 21083 and 21087, Public Resources Code, Reference: Section 21161, Public Resources Code.