



Classification: Water Resource Control Engineer
Position Number: 880-300-3846-124 +093

DUTY STATEMENT

CURRENT PROPOSED

RPA Number: 25-300-152 25-300-159	Classification Title: Water Resource Control Engineer	Position Number: 880-300-3846-124 880-300-3846-093
Incumbent Name: VACANT	Working Title: Water Resource Control Engineer	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R09
Division/Office: Division of Water Rights		Section/Unit: Instream Flows Section/ Instream Flow Unit
Supervisor's Name: VACANT Zachary Zwahlen		Supervisor's Classification: Senior Water Resource Control Engineer (Supervisory) Senior Environmental Scientist (Supervisory)

Human Resources Use Only:	
HR Analyst Approval: <i>Rebecca Ramirez</i>	Date: June 3, 2026

General Statement
Under close supervision of the Instream Flows Unit Senior Water Resource Control Engineer (Supervisory) or a Senior Environmental Scientist(Supervisory) in the Division of Water Rights and consistent with good customer service practices and the goals of the State and Regional Board's Strategic Plan, the Water Resources Control Engineer performs complex and varied environmental analyses and research in support of California's instream flow program. The incumbent is expected to be courteous and provide timely responses to internal/external customers, follow through on commitments, and to solicit and consider internal/external customer input when completing work assignments.
Position Description
The Water Resource Control Engineer (WRCE) will support the Instream Flow Section in the Division of Water Rights by reviewing hydrologic and stream morphology studies, models, and data, collecting and assessing water rights data, developing instream flow objectives and associated technical and environmental documents, overseeing grants and contracts, developing technical and plain project materials, and presenting developed information to diverse audiences.



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Essential Functions (Including percentage of time):	
35%	Perform engineering analyses, research, surveying, and modeling assignments related to determining and implementing instream flow objectives in key watersheds throughout California. Develop and evaluate flow objectives and implementation plans to address flow related impacts to public trust resources for inclusion in the development or update of water quality control plans, policies, or regulations. Evaluate hydrological, geological, environmental, and water supply effects of implementing flow objectives and prepare related recommendations. Analyze hydrologic data to evaluate instream flow needs to address instream beneficial uses, including modeling flow objective alternatives and impacts to public trust resources and water right holders. Conduct and/or review hydrologic and water quality modeling of river and reservoir systems to investigate how operational changes may affect water supply, flows, river or reservoir temperature, aquatic habitat, and water quality.
25%	Prepare technical reports, orders, decisions, and any other documents to support the Unit's effort to develop and implement flow objectives for priority watersheds. This work includes writing chapters or technical appendices in support of the flow objectives. Oversee, manage, and develop contracts or grant agreements related to flow enhancement in priority watersheds. Present at public workshops/ meetings, or before the State Water Board. Prepare briefing documents and other related information. Prepare written comments that identify and recommend appropriate feasibility studies, mitigation measures, or alternatives to the design and operation of projects. Respond to written and verbal inquiries related to the Unit's work.
20%	Coordinate with state and federal agencies, non-governmental organizations, and others on instream flow efforts. Coordinate internally with State Water Board and Regional Water Quality Control Board staff to ensure consistent and appropriate development and implementation of flow objectives. Review and comment on instream flow recommendations developed by external parties, including instream flow recommendations developed by the Department of Fish and Wildlife. Review and comment on Integrated Surface Water and Groundwater Sustainable Groundwater Management Plan components. Present at and represent the State Water Board at meetings, workshops, or conferences to share information on the State Water Board's efforts. Coordinate with water rights staff and other agencies on investigations regarding potential impacts to public trust resources.
10%	Administer the requirements of the California Environmental Quality Act (CEQA), including the development of substitute environmental documents, as CEQA relates to State Water Board actions on controversial water resources development projects, including projects of statewide significance. Review submitted models, results, and analyses for technical accuracy in environmental documents. Make recommendations to management or the State Water Board regarding project approval, CEQA compliance, selection of alternatives, and the applicability of mitigation measures. Oversee development and implementation of contracts and direct the preparation of environmental compliance documents by consulting firms.



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Marginal Functions (Including percentage of time):	
5%	Act as a team member on hearings, workshops, or meetings before the State Water Board; act as staff expert on complex and controversial public trust matters; assist with hearings, evaluate testimony and evidence, question witnesses, write staff analyses and decisions, and respond to comments.
5%	Perform other duties as required.

Typical Physical Conditions/Demands:

The job requires extensive use of a computer and the ability to sit/stand at desk, utilize a phone and a keyboard for extended periods of time. Ability to move 50 pounds, retrieve files and/or documents. Occasional driving may require extended periods of remaining stationary. Occasional fieldwork requires navigating uneven, rugged terrain for extended periods of time, in extreme temperatures throughout the workday, occasionally exposed to shallow waters and wading in flowing streams.

Typical Working Conditions:

The incumbent works on the 14th floor of a high-rise office building in downtown Sacramento, in an enclosed, non-windowed office cubicle in a smoke-free environment. The work schedule is Monday through Friday. Travel may be required locally and within the state.

Supervisor Statement		
I certify this duty statement represents an accurate description of the essential functions of this position. I have discussed the duties of this position with the employee and provided the employee a copy of this duty statement.		
Supervisor Name	Supervisor Signature	Date
Employee Name	Employee Signature	Date