



Classification: Sr Water Resource Control  
 Engineer (Specialist)  
 Position Number: 880-210-3844-xxx

**DUTY STATEMENT**

CURRENT       PROPOSED

<b>RPA Number:</b> 23-210-002	<b>Classification Title:</b> Sr. Water Resource Control Engineer (Specialist)	<b>Position Number:</b> 880-210-3844-xxx
<b>Incumbent Name:</b> Vacant	<b>Working Title:</b> Sr. Water Resource Control Engineer (Specialist)	<b>Effective Date:</b> TBD
<b>Tenure:</b> Permanent	<b>Time Base:</b> Full Time	<b>CBID:</b> R09
<b>Division/Office:</b> Executive		<b>Section/Unit:</b> Office of the Delta Watermaster
<b>Supervisor's Name:</b> Jay Ziegler		<b>Supervisor's Classification:</b> Delta Watermaster

<b>Human Resources Use Only:</b>	
<b>HR Analyst Approval:</b>	<b>Date:</b>

<b>General Statement</b>
Under the direction of the Delta Watermaster and consistent with good customer service practices and the goals of the State and Regional Board's Strategic Plan, 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.
<b>Position Description</b>
The Senior Water Resource Control Engineer (Specialist) position will bear primary responsibility for representing and guiding the Office of the Delta Watermaster (ODWM) to assure that the replacement data management system (UPWARD, CalWTRS), which is currently initiating its design phase, recognizes and meets evolving water rights data management needs and unique conditions in the Sacramento-San Joaquin Delta. The position is located at 1001 I Street, 14th Floor, Sacramento, CA, right in the heart of downtown next to light rail stations and other public transportation.



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<b>Essential Functions (Including percentage of time):</b>	
30%	<p>Apply familiarity with water rights administered by the Office of the Delta Watermaster (ODWM) including the unique aspects of such administration based on historic context and location within the Legal Delta. Independently perform complex and technical engineering assignments related to the Division of Water Rights' (Division) update of the State Water Board's water rights data and information management system, including business process improvements, based on the unique needs of the Legal Delta. Interpret engineering plans; conduct and/or lead the development of monitoring and data collection activities; and assist and direct water rights studies. Develop and maintain data reporting policies that support automated and streamlined water rights data reporting including: defining acceptable data reporting methods and techniques; recommending new data elements that produce the most useful analysis for ODWM and Division while minimizing burden on the reporter; and integrating/transforming telemetered data formats into a common reference data format. The incumbent will coordinate with scientists, engineers, attorneys, and other experts to ensure telemetered and real-time data collection techniques are modern, efficient, and interoperable with local, state, and federal data systems and applicable across different reporting methodologies.</p>
20%	<p>Perform the duties of a subject matter expert in areas of water data information networks, cloud-SCADA control systems, flow meters, sensors, and irrigation technology. Develop exhibits for legal proceedings that involve telemetered water rights data and matters relating to irrigation and water conveyance infrastructure. Make recommendations to management, staff, and others, on matters relating to water rights data, telemetry, and water conveyance infrastructure. Coordinate and maintain business relationships with equipment vendors, irrigation and reclamation districts, water users, Delta water agencies, and other stakeholders that use or support remotely measured and telemetered water measurement data. Lead implementation of OpenET for measuring evapotranspiration in the Legal Delta and administer data platform to ensure consistency with these objectives.</p>



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20%	<p>Support development of a new water rights data modernization project as part of the Data Governance Team (Team). Support Team activities by providing project leadership, technical input as a Legal Delta subject matter expert, and assisting with testing of platform functions and integration of potentially different data reporting platforms. Provide detailed understanding of water reporting data processes and assimilation of reporting to stakeholder, policymaker, regulatory and legal forums. Demonstrate ability to develop information/explanatory products; answer phone calls and provide public assistance or responses to media inquiries on complicated water rights data related issues. Analyze and evaluate water rights data and reports, and interpret and apply water rights principles, policies, and regulations for the State Water Board. Interpret and explain the technical engineering concepts and support calculations as well as provisions of laws, rules, or regulations of California water rights. Support the review of technical engineering and hydrologic reports submitted to the Division, as it relates to the Legal Delta. Participate in special projects, administer and direct QA/QC experiments and analysis to increase confidence in data reporting; and facilitate business operations.</p>
15%	<p>Utilize GIS, OpenET, CIMIS and other evolving software and remote sensing technologies to develop accurate and defensible estimates of consumptive use of water by crops, riparian vegetation, open water, floating weeds, and bare soil in the legal Delta, and Delta watershed. Analyze methods to develop watershed and sub-watershed water budgets and when improvements are needed, modify when necessary. Provide accurate, comprehensible (to non-engineers) written explanations and support for such estimates, design and review correlative experiments to better understand consumptive use with the legal Delta.</p>
10%	<p>Act as peer-to-peer liaison between the ODWM and external engineers and technical consultants (including those representing other agencies). Maintain positive working relationships while objectively evaluating and critiquing reports, models, drawings, and other technical presentations.</p>

**Marginal Functions (Including percentage of time):**

5%	Perform other duties as required.
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**Typical Physical Conditions/Demands:**

The job requires extensive use of a personal computer and the ability to sit/stand at desk, utilize a phone, and type on a keyboard for extended periods of time.

**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.



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**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 Statement**

I have discussed these duties with my supervisor and have been provided a copy of this duty statement. I certify I have read, understand, and can perform the duties of this position either with or without reasonable accommodation\*.

*\*A Reasonable accommodation is any modification or adjustment made to a job, work environment, or employment practice or process that enables an individual with a disability or medical condition to perform the essential functions of his or her job or to enjoy an equal employment opportunity. (If you believe reasonable accommodation is necessary, check yes. If unsure of a need for reasonable accommodation, inform the hiring supervisor, who will discuss your concerns with the Reasonable Accommodation Coordinator.)*

Do you need a reasonable accommodation to perform the essential functions of this position?

**YES**       **NO**

Employee Name	Employee Signature	Date