



Classification: Water Resource Control Engineer
 Position Number: 880-210-3846-012

DUTY STATEMENT

CURRENT **PROPOSED**

RPA Number: 23-210-009	Classification Title: Water Resource Control Engineer	Position Number: 880-210-3846-012
Incumbent Name: Vacant	Working Title: Water Resource Control Engineer	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R09
Division/Office: Executive Office		Section/Unit: Office of the Delta Watermaster
Supervisor's Name: Jay Ziegler		Supervisor's Classification: Delta Watermaster

Human Resources Use Only:	
HR Analyst Approval:	Date:

General Statement
Under the close supervision 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.
Position Description
The Office of the Delta Watermaster (ODWM), in collaboration with the Division of Water Rights (Division), is responsible for administering water rights whose points of diversion (PODs) are located within the Legal Delta. Included within this overall responsibility is the governance, quality assessment, and planning processes required to effectively manage and analyze data related to such water rights. To fulfill this data management responsibility, the ODWM collaborates with the Division to modernize data collection, management, and analysis processes. Each member of the ODWM will contribute to the master data management plan to ensure that water rights data are useful, accessible, and collected in a way that ensures the highest data quality and least collection burden possible, recognizing tradeoffs between those two objectives.



Essential Functions (Including percentage of time):

<p>35%</p>	<p>Develop familiarity with water rights administered by the Office of the Delta Watermaster (ODWM) including the unique aspects of such rights based on their historic context and location within the Legal Delta. Interpret engineering plans, conduct and/or lead the development of monitoring and data collection activities, assist and direct water rights studies. Coordinate with scientists, engineers, attorneys, water right holders/claimants, and other experts to ensure compliance with California water rights laws and regulations. Support water use reporters in the transition to refined reporting systems that synthesize modern, efficient data collection techniques. Evaluate various impacts of climate change on water rights and water quality related policy decisions affecting racial equity and vulnerable communities within the Legal Delta. Develop processes and mechanisms so that ODWM's programs and initiatives fully integrate engagement and an active process of respectfully seeking, discussing, and considering the views of vulnerable communities as they relate to the management of these decisions. Conduct field investigations and access technical reports and information to estimate flows, quality, channel capacities, stages and tidal effects, and to calculate hydraulic capacities of diversion and drainage works within the Legal Delta. Determine if water diversion facilities are operating (i) within the limits of water rights/claims and in compliance with statutory requirements, (ii) in accordance with terms and conditions of permits and licenses, and/or (iii) within conditions of applicable Board Orders. Determine and document in the Electronic Water Rights Information Management System (eWRIMS) and other Geographic Information System (GIS) mapping programs and databases the precise types, locations and conditions of diversion, irrigation, and drainage facilities in the Delta. Investigate complaints related to unlawful diversion, waste, or unreasonable use of water or to unreasonable impacts on the environment. Prepare reports of inspections or investigations detailing findings and recommendations and relating them to other pertinent information and data. Prepare documentation that clearly identifies findings and recommendations.</p>
<p>25%</p>	<p>Consult with water rights claimants and their representatives to ascertain facts surrounding the use of water in the Legal Delta. Develop familiarity with farming, irrigation, water quality management and export practices within the Legal Delta. Evaluate and document conditions of levees and other water-related infrastructure within the Legal Delta. Review, analyze and evaluate evidence submitted in support of water rights/claims including patent maps, title documents, land use surveys, and reports. Prepare testimony and exhibit and appear as an expert witness at hearings before the State Water Board and the Administrative Hearings Office. Develop familiarity with models and representation of complex conditions in the Legal Delta. Interpret and explain the output of such models and representations as well as technical engineering concepts and support calculations as they related to issues of applicable laws or regulations. Review, evaluate, explain, and critique technical forecasts, facility designs, operations data, and monitoring reports.</p>



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15%	Use GIS, OpenET (an online platform for mapping evapotranspiration (ET)), California Irrigation Management Information System (CIMIS) and other evolving software and remote sensing technologies to evaluate estimates of consumptive use of water by crops, riparian vegetation, open water, floating weeds, and bare soil. Provide accurate, comprehensive (to non-engineers) written explanations and support for such evaluations.
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Marginal Functions (Including percentage of time):

10%	Analyze and evaluate water rights data and reports. Interpret and explain the technical engineering concepts and support calculations, provisions of laws, rules, or regulations affecting beneficial use of water in the Legal Delta. Review technical engineering and hydrologic reports related to diversion, quality, and use of water. 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.
10%	Provide constituent service, responding to requests for information or technical support, updating and maintaining a variety of databases (including eWRIMS and enforcement tracking tools).
5%	Perform other duties as required.

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. Additionally, there is some travel anticipated within the five county legal Delta region.

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.



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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