

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Environmental Scientist		DWR POSITION NUMBER 0370-0762-900	SAP POSITION NUMBER 50106056	MCR 1
APPOINTEE VACANT		SAP PERSONNEL NO.	DIVISION/SECTION DISE - Discrete Environmental Monitoring	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☐ Confidential Related BU: ☒ Rank and File BU: R10				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☐ Lead Person		IMMEDIATE SUPERVISOR (Print) Ted Flynn	SUPERVISOR'S CLASSIFICATION Senior Environmental Scientist (Supv)	
APPROVED BY (Personnel Analyst's Name) Jennifer Greathouse			DATE 10-21-26	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under the direction of the unit manager for Discrete Environmental Monitoring, the incumbent will collect, analyze, manage, and report environmental data for the Environmental Monitoring Program (EMP). The incumbent will lead monthly water quality and biological monitoring surveys in the San Francisco Bay-Delta estuary, analyze and synthesize data from these and related activities to produce technical reports, data publications, and oral presentations. They will also conduct special studies on emerging environmental issues in the Bay-Delta and report findings to management and stakeholders in support of regulatory mandates.			
	ESSENTIAL FUNCTIONS The incumbent will collaborate closely with other members of the EMP team, maintain consistent, regular and predictable attendance, follow all departmental policies, including safety policies, and communicate effectively, both verbally and in writing. The incumbent will also perform the following specific essential duties:			
45%	Under the supervision of EMP managers, coordinate with other EMP staff the planning, organization, and execution of monthly monitoring surveys. Serve as crew lead while collecting water quality and biological samples from the San Francisco Bay-Delta estuary while aboard research vessels and by vehicle. Oversee the safe conduct of all staff during these surveys and ensure all sampling follows established standard operating procedures (SOPs). These activities may require driving a state vehicle on public roadways and/or operating a small motorboat on public waterways. Work closely with the Unit Manager and EMP leadership to meet programmatic mandates outlined in Water Right Decision 1641 (D-1641), including facilitating limited-duration special studies with external collaborators.			
25%	Organize and manage water quality and biological data collected by EMP to ensure analyses meet internal data quality objectives as specified in programmatic SOPs and Quality Assurance Project Plans (QAPPs). Coordinate with other EMP staff, external laboratories, and interagency collaborators to ensure data meets FAIR (findable, accessible, interoperable, and reusable) data			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Ted Flynn		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print) VACANT		EMPLOYEE'S SIGNATURE ➤		DATE

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25% Cont.	standards. Integrate newly-collected data with historical data and manage long-term datasets using R, RStudio, and relational databases. Facilitate data publication using open data portals such as the Environmental Data Initiative (EDI) and California Natural Resources Agency (CNRA) Open Data portal to ensure programmatic compliance with relevant open data standards such as AB 1755.				
20%	Maintain, calibrate, and install field equipment used during monthly monitoring surveys including water quality sondes (e.g., the YSI EXO2 platform), sample collection vessels (e.g., Van Dorn samplers), pumps, sampling nets, and other field gear. Facilitate purchasing new or replacement gear as needed. Perform laboratory analyses of field samples including preparing reagents and using microscopes to measure the size distribution of benthic clams.				
10%	Use scientific software (e.g., R, RStudio, and PRIMER) and Microsoft Office 365 to analyze and perform post-collection quality control (QC) on data collected by EMP. Create publication-quality graphs, maps, and other plots to visualize data trends. Summarize and communicate findings in written technical reports, data publications, and oral presentations. Review and provide feedback on similar documents developed by other staff and agencies as appropriate. Promptly complete all mandated reporting, including responding to data requests and completing written reports to DWR managers and other stakeholders.				
	SPECIAL REQUIREMENTS Possess a valid California driver's license in order to drive to various field sampling locations. Must possess or be able to obtain a valid California boater card. Incumbents must possess the physical ability to work aboard a boat for extended periods (>8 hrs) without incapacitation from seasickness, swim at least 50 yards unaided, promptly don personal flotation gear without assistance (i.e., a personal flotation device or PFD), stay afloat for five minutes while wearing a PFD, carry and transport loads of up to 25 lbs. Incumbent must also possess standard (or correctable to standard) visual and hearing acuity to safely process hand and verbal signals used to operate hydraulic equipment onboard sampling vessels. All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination. The Department of Water Resources is committed to its mission and employees, and we are grounded in our commitment to public safety. Regular, consistent, and predictable attendance is essential to successfully performing the duties laid out for this position.				