

**JOB DESCRIPTION AND POSITION CLASSIFICATION**

CLASSIFICATION <b>Environmental Scientist</b>		DWR POSITION NUMBER <b>6300-0762-001</b>	SAP POSITION NUMBER <b>50013328</b>	MCR <b>1</b>
APPOINTEE <b>VACANT</b>		SAP PERSONNEL NO.	DIVISION/SECTION <b>DRA/NCRO/Water Quality Evaluation Section</b>	
COLLECTIVE BARGAINING IDENTIFIER				
<input type="checkbox"/> Management Related BU:	<input type="checkbox"/> Supervisory Related BU:	<input type="checkbox"/> Confidential Related BU:	<input checked="" type="checkbox"/> Rank and File BU: <b>R10</b>	
RESPONSIBILITIES EXERCISED <input type="checkbox"/> Supervisory <input type="checkbox"/> Lead Person		IMMEDIATE SUPERVISOR (Print) <b>Jared Frantzich</b>	SUPERVISOR'S CLASSIFICATION <b>Senior Environmental Scientist</b>	
APPROVED BY (Personnel Analyst's Name) <b>S. Meeks</b>			DATE <b>4/24/26</b>	
<i>Percent of Time</i>	<i>Activity</i>			
<b>40%</b>	<p><b>POSITION SUMMARY</b> Under supervision of the Senior Environmental Scientist, or designated lead person, the Environmental Scientist is responsible for the collection, management, analysis, and reporting of water quality monitoring data for the Department of Water Resources (DWR). This water quality data is used for compliance with established water quality criteria, and in improving State Water Project operations in the Delta. In addition, the incumbent provides planning and technical support for DWR monitoring efforts in the North Central Region Office (NCRO) service area to identify the effects of natural and anthropogenic pollutants on the surface water bodies. The incumbent installs, maintains and troubleshoots continuous water quality monitoring equipment to assure that collected data is accurate and representative of actual conditions. The incumbent acts as the lead in the design and management of the sections water quality database. The incumbent archives water quality data, follows NCRO quality control and quality assurance procedures, performs evaluations and appropriate analysis of the data, and summarizes findings in written reports and presentations for program managers.</p> <p><b>ESSENTIAL FUNCTIONS</b> The position requires that the incumbent works cooperatively with others, maintains regular, consistent and predictable attendance, exercises good judgment and participates in office meetings and activities. The incumbent must have good written and oral communications skills. The specific essential duties are as follows:</p> <p><b>PROJECT PLANNING AND MANAGEMENT</b> Plan, assemble, install, and maintain a network of telemetered multi-parameter water quality stations. Record field data collected from hand-held water quality instruments. Use field sampling equipment to collect discrete water quality samples to corroborate with continuous data water quality stations in the Delta or other areas within the NCRO service area. Handle, preserve, filter, and prepare water quality samples for laboratory analysis in accordance with standard operating procedures, ensuring delivery of time sensitive materials and adherence to chain of custody procedures. Coordinate with other DWR divisions and United States Geological Service staff to</p>			
SUPERVISOR'S STATEMENT:		<b>I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.</b>		
SUPERVISOR'S NAME (Print) <b>Jared Frantzich</b>		SUPERVISOR'S SIGNATURE ➤	DATE	
EMPLOYEE'S STATEMENT:		<b>I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.</b>		
EMPLOYEE'S NAME (Print)		EMPLOYEE'S SIGNATURE ➤	DATE	

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<i>Percent of Time</i>	<i>Activity</i>		
<b>40%</b>	<p>repair malfunctioning water quality stations to assure telemetry and validity of real-time data. Assist with leading and assigning work tasks for less experienced staff to maximize the unit's function and efficiency. Assist the Senior Environmental Scientist with researching new developments in water quality monitoring and make recommendations for equipment purchases and upgrades. Provide technical expertise in the planning and development of water quality monitoring work plans in support of DWR water operations and management. Travel by vehicle on public roadways and in the field on uneven terrain is required to access stations. Operate and trailer a small boat with outboard motor to access water quality sampling sites.</p> <p><b>DATABASE MANAGEMENT AND DATA QUALITY CONTROL/QUALITY ASSURANCE</b> Act as lead person for the design and management of the sections water quality database. Be responsible for training staff and communicating with staff in regards to periodic database updates and modifications. Manage water quality monitoring project data sets by following NCRO quality assurance and quality control procedures when entering and validating the data for data base archiving. Conduct routine calibrations and set up of water quality instruments using calibration standards and following NCRO standard operating procedures. Perform post-deployment data validation checks on water quality instruments, as well as clean-up and storage of water quality equipment. Maintain accurate and complete records of calibration checks of water quality instruments. Calibrate lab and field instruments as needed, and maintain accurate and legible records.</p>		
<b>15%</b>	<p><b>DATA ANALYSIS, REPORTING AND PRESENTING</b> Perform analyses of water quality data and prepare technical reports summarizing the continuous water quality data and discrete samples collected within the NCRO service area, and make recommendations for further studies. Draft letters, memos, and minor reports in response to requests for water quality information from management, other agencies, and the public, and for inclusion in annual reports. Prepare verbal and poster presentations for program managers, agency work groups, and science conferences.</p>		
<b>5%</b>	<p><b>INTERACTION AND COLLABORATION</b> Attend meetings and work with DWR's Division of Operation and Maintenance, Division of Environmental Services, State Water Project Analysis Office, and South Delta Improvements Program. Assists the Senior Environmental Scientist with coordinating and collaborating on developing new water quality monitoring projects and DWR water quality monitoring data collection procedures. The position may provide support to other sections within the Resources Assessment Branch as needed including Surface Water Data; Bathymetry Data Collection; Hydrography and Technical Support; and Flow Monitoring and Special Studies.</p> <p><b>OTHER RESPONSIBILITIES</b> This position provides necessary support to the Divisions of Flood Management, Safety of Dams, Operations and Maintenance, Engineering, and/or the Public Affairs Office during Governor declared emergencies, flood, dam, SWP, and other incidents and emergencies. Additionally, this position may participate in emergency operations in the capacity of area teams, field inspection,</p>		

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	<p>coordination, and assist agencies such as CalOES and FEMA in disaster work, including performing fieldwork to complete damage survey reports for droughts, flooding, earthquakes, and other emergencies. This position may also serve in one of the sections as established in the Incident Command System to assist the Department in performing its emergency preparedness, response, recovery, and mitigation functions. These functions are established in the California State Emergency Plan and the Department's Administrative Orders. The incumbent may also participate in NEPA and CEQA compliance activities to support NCRO service area projects.</p> <p><b>ADDITIONAL REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>1. Access to water quality data collection sites throughout the Delta and the North-Central region requires vehicular travel on public and private roadways and travel by boat.</li> <li>2. Early morning departures are often required for field work.</li> <li>3. Operate both standard and four wheel drive vehicles in all weather conditions.</li> <li>4. Ability to bend, stoop, twist and traverse in the field over steep uneven terrain moving and transporting loads up to approximately 40 pounds.</li> <li>5. Ability to swim or stay afloat (in an emergency) and tolerate travel by vehicle and boat to remote locations, sometimes in a variety of inclement and uncomfortable weather conditions.</li> <li>6. Work on and around swift moving waterways.</li> </ol> <p><b>SPECIAL REQUIREMENTS</b></p> <p>Must possess a valid California driver's license and able to drive to field monitoring sites. Obtaining a California Safe Boater card will be required.</p> <p>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.</p> <p>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 the successful performance in this position.</p>		