

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Senior Engineer, Water Resources (Specialist)		DWR POSITION NUMBER 0110-3261-092	SAP POSITION NUMBER 50081355	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO. TBD	DIVISION/SECTION Executive/SGMO/Outreach and Engagement Sect.	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☒ Confidential Related BU: ☐ Rank and File BU: ☐ E48				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☐ Lead Person		IMMEDIATE SUPERVISOR (Print) Erin Crandall	SUPERVISOR'S CLASSIFICATION Supervising Engineer, Water Resources	
APPROVED BY (Personnel Analyst's Name) Tammy Geer			DATE 7/10/2026	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under the general direction of the Supervising Engineer, WR in the Outreach and Engagement Section of the Sustainable Groundwater Management Office (SGMO), in the Executive Division, the Senior Engineer, WR, serves as a non-supervisory Specialist and performs, plans, organizes, leads, and reviews complex water resource development, investigations, and engineering studies to support the implementation of the Sustainable Groundwater Management Act (SGMA). ESSENTIAL FUNCTIONS This position requires the incumbent to plan, perform, organize, and direct complex water resource development, investigations, and engineering studies to support SGMA implementation and assistance in partnership and coordination with local and regional agencies who are implementing sustainable groundwater management. The incumbent is required to work in a team environment to plan, perform, organize, and direct others to resolve complex water resource engineering or policy-level water resource issues to investigate, analyze, and review surface water supplies and groundwater basin budgets; to evaluate groundwater sustainability plans (GSPs) and alternative GSPs; and, to assist or oversee Bulletin 118 and provide integration of groundwater topics and outreach related to the California Water Plan, and assist with basin priority, basin boundary updates, and other Sustainable Groundwater Management Program (SGMP) actions. Must be able to maintain communications with Department of Water Resources (DWR) management to provide technical engineering review and advice on all SGMA-related water resource activities; to communicate effectively in public and respond to detailed and complex questions; to work independently and cooperatively with others to plan and supervise work activities, exercise sound professional judgment; maintain regular, consistent, and predictable attendance; analyze situations accurately and take effective action. The specific essential duties include, but are not limited to:			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Erin Crandall		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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Percent of Time	Activity			
35%	Responsible for conducting engineering and planning analysis for SGMO and to plan, perform, organize and direct others to implement technical assistance. Utilize extensive knowledge of engineering principles to evaluate and assess GSPs; to review basin assessments; to undertake independent analysis of complex water resource information to determine compliance with sustainable groundwater management planning and implementation; to prepare clear and concise water resource engineering studies for inclusion into statewide sustainable groundwater status reports; to review and evaluate well measurement data; to prepare, manage, and oversee implementation of proper data collection standards, methods, and procedures for data collection, analysis, management, and reporting by groundwater sustainability agencies (GSAs).			
30%	Plan, perform, and lead technical assistance to local and regional agencies conducting technically-complex groundwater-surface water modeling and comprehensive water resource planning investigations that evaluate water supply availability, water demand requirements, stormwater capture, engineering feasibility studies, surface water gaging, hydraulic structure design, surface water depletion, regional groundwater data standards and management, and water resource monitoring. Support SGMO’s engagement service program offerings. Act as technical lead on various components of SGMO’s statewide groundwater education and training program which includes the development of videos, fact sheets, interactive maps, and other materials that help the general public understand complex hydrogeologic principals like aquifer characterization, groundwater and surface water interaction, seawater intrusion, and subsidence. Lead one or more multi-disciplinary teams consisting of engineering geologists, engineers, and environmental scientists from SGMO and DWR’s Region Offices to monitor GSAs progress towards meeting their GSP sustainability goals. Lead and oversee SGMO and information technology staff in creating and maintaining databases, managing water resource data, and developing Geographic Information System (GIS) maps.			
25%	Conduct extensive coordination with Region Offices, the CA Water Plan team, and other DWR staff, as required, to set work schedule, establish procedures, and review completed work. Act as a technical lead person on assigned studies; be responsible for developing original methodologies, and assigning, reviewing, and correcting the work by other staff. Coordinate and track SGMP activities within DWR and with other State and federal agencies. Work cooperatively with local, State, and federal agencies including local groundwater entities to implement the SGMA. Review, oversee, and summarize results from technically complex water resource and planning studies, including groundwater monitoring data and sustainability plans. Plan, lead, direct, or oversee development of activities associated with Bulletin 118, basin priority, and basin boundary updates. Assist with the integration of groundwater topics and outreach related to the (2028 and beyond) California Water Plan updates.			

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10%	Assist in preparing correspondence, presentation materials, and speeches for dissemination of SGMA-related information to the public, technical advisory panels, public agencies, and other interested parties. Prepare, schedule, and oversee work activities to ensure timely project completion while staying within budget. Prepare, manage, and monitor program budgets and expenditures. Manage, delegate, and monitor work activities and progress. Use computer programs to perform calculations, evaluate data, and prepare reports and graphics. Programs include, but are not limited to, databases (Access), spreadsheets (Excel), geographical information systems (ArcGIS), and word processing (Word). Attend and participate in meetings, including preparing meeting highlights for project and partner meetings. Act for the Supervising Engineer, WR as needed. OTHER RESPONSIBILITIES: 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, coordination, and assist agencies such as Cal OES 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. SPECIAL REQUIREMENTS: Travel is required. Must possess a valid California driver's license with a good driving record to attend meetings and/or training. This position is covered in the Political Reform Act and requires financial disclosure within 30 days of the first and last day physically worked in a covered position and annually by April 1st. 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 the successful performance in this position.			