



Classification: Sr. Environmental Scientist (Spec)
 Position Number: 880-110-0765-XXX

DUTY STATEMENT

CURRENT PROPOSED

RPA Number: 24-110-060	Classification Title: Senior Environmental Scientist (Specialist)	Position Number: 880-110-0765-XXX
Incumbent Name: Vacant	Working Title: Senior Environmental Scientist (Specialist)	Effective Date: TBD
Tenure: Permanent	Time Base: Full time	CBID: R10
Division/Office: North Coast Regional Water Quality Control Board - Santa Rosa		Section/Unit: Planning and Watershed Stewardship Division
Supervisor's Name: Katharine Carter		Supervisor's Classification: Environmental Program Manager I (Supervisory)

Human Resources Use Only:	
HR Analyst Approval: Danielle Klemencic	Date: 02/07/2025

General Statement
Under the supervision of an Environmental Program Manager I (Supervisory) 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



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The Senior Environmental Scientist (Specialist) will act as Regional Monitoring Coordinator and will lead development of tools to evaluate water-quality at a regional and watershed scale, provide technical expertise and mentorship in surface water monitoring program development and implementation, and lead regional efforts to evaluate and report on water quality in relation to many complex issues including the effects of climate change, fire, and drought on water quality.

This position requires knowledge of water quality objectives and beneficial uses, monitoring plan design and development, quality assurance plan development, statistical analysis and analysis programs, and analysis and reporting of complex water quality related data sets including the use of geospatial analysis (GIS). The Specialist must have advanced expertise in chemical, biological, and physical water quality parameters; biologic community assessment; and aquatic toxicology. Further the position requires public speaking, partnership building, and internal and external monitoring oversight and coordination.

Essential Functions (Including percentage of time):

40%	Mentor and train staff and act as technical expert and advisor of water quality monitoring related matters including monitoring question and monitoring plan design, development and implementation; data analysis and reporting; non-parametric statistical analysis; and use of statistical and data analysis programs. Serve as technical expert and support staff in the development of monitoring requirements for various permitting programs; advise staff and lead evaluation of the effectiveness of Total Maximum Daily Load (TMDL) implementation plans; consult with and advise technical staff, management, executive, external agencies and partners on surface water quality monitoring related matters. Develop and maintain expertise in water quality monitoring protocols and provide recommendations to water board staff and external parties on monitoring and sampling approaches. Develop quality assurance documents, monitoring plans, and watershed assessment strategies for various waterbodies and programs, as assigned. Conduct assessment and reporting of complex data sets, as assigned. Develop maps and use geographic data to analyze existing and potential water quality issues for purposes of informing management decisions and identifying areas to prioritize outreach and more targeted sampling. Develop and manage grants and contracts.
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30%	Lead efforts to develop a Regional Monitoring Strategy to address key regional monitoring questions and oversee its implementation in coordination with Executive Management. Assist with and advise on monitoring to support guidance, policy, planning, program development, and regulatory document creation. Serve as technical expert in water quality monitoring; develop guidance documents, strategies, plans, and tools to evaluate water quality at a regional and watershed scale; and lead region-wide efforts to evaluate water quality in relation to complex water quality issues including evaluating the impacts of climate change, fire, and drought on water quality. Work with the Surface Water Ambient Monitoring Program (SWAMP) Coordinator, staff at Office of Information Management and Analysis (OIMA), and scientist partners to support the overall SWAMP program, including Freshwater Harmful Algal Bloom (FHAB) work. Provide mentorship and support to the Region's SWAMP Coordinator in the development and implementation of the SWAMP and FHAB workplans and status reports.
20%	Represent the Regional Water Board in technical and interagency meetings to promote broad support for collaborative watershed monitoring actions. Coordinate and partner with agencies, non-governmental organizations, and tribes to leverage monitoring resources to increase the pace and scale of watershed assessment across multiple jurisdictional boundaries including the development of coordinated monitoring plans and frameworks, coordinated funding strategies, and interagency monitoring agreements. Support, advise, and train technical staff and external parties on implementing monitoring throughout the region and conduct critical and/or sensitive scientific monitoring investigations and studies. Support regional monitoring programs including the Russian River Regional Monitoring Program (R3MP) and Klamath Basin Monitoring Program (KBMP). In conjunction with the SWAMP Coordinator, represent regional interests at the SWAMP round table meetings and coordinate regional monitoring efforts with statewide efforts. Develop and give presentations at board meetings, outreach meetings, and other venues. Communicate data assessment and report findings with internal and external interested parties. Conduct education and outreach to external parties and assist/lead public participation efforts.
Marginal Functions (Including percentage of time):	
5%	Coordinate with the State Board's Clean Water Team staff to encourage the development of citizen monitoring. Serve as a liaison between citizen groups and Clean Water Team staff to ensure volunteer monitors have access to training in all protocols, including quality assurance and database utilization. Provide current information on funding opportunities related to water quality monitoring to interested parties and citizen monitoring groups.
5%	Perform other duties as required.
Typical Physical Conditions/Demands:	



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The job requires the use of a personal computer and the ability to sit/stand at a desk and type on a keyboard for extended periods of time. The position will also require staff to go into the field for data collection, meetings, and other purposes. Staff will require the ability to lift 20 pounds, bend, and reach above shoulders to retrieve files, documents, and perform field work. Staff need to be able to navigate uneven, rugged terrain for extended periods of time in environmental conditions that may include extreme temperatures, ticks, and poison oak.

Typical Working Conditions:

The position is in an office building with cubicles, in a smoke-free environment. Currently, teleworking up to three days a week is an option with supervisor's approval. The work schedule is Monday through Friday, although alternate work schedules are possible with supervisor approval. Work-related travel is required and may include four to six hour drives one way and overnight stays.

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 Name	Employee Signature	Date