



Classification: Engineering Geologist  
Position Number: 880-157-3756-023

## DUTY STATEMENT

☐ CURRENT

☒ PROPOSED

<b>RPA Number:</b> 25-157-xxx	<b>Classification Title:</b> Engineering Geologist	<b>Position Number:</b> 880-157-3756-023
<b>Incumbent Name:</b> Vacant	<b>Working Title:</b> Engineering Geologist	<b>Effective Date:</b> TBD
<b>Tenure:</b> Permanent	<b>Time Base:</b> Full Time	<b>CBID:</b> R09
<b>Division/Office:</b> Central Valley Regional Water Quality Control Board/Redding		<b>Section/Unit:</b> Forest Activities
<b>Supervisor's Name:</b> Ashley Hernandez		<b>Supervisor's Classification:</b> Senior Environmental Scientist (Supervisory)

### Human Resources Use Only:

**HR Analyst Approval:** *Reynold Jackson-Luna*

**Date:** 07/24/2025

### General Statement

Under the close supervision of Senior Environmental Scientist (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

The Engineering Geologist (EG) will evaluate geologic and hydrogeologic aspects of land management activities associated with timberland/forestland management to evaluate compliance with the California Water code and Water Boards' plans and policies. This position requires a working knowledge of timber harvest practices, soil/landscape disturbance, best management practices related to slope stability, effects of land management on erosion rates, forest hydrology, and watershed analysis of multiple land use projects and their impacts on the forest, fisheries, water supply and compliance with the Regional Board's policies. The Engineering Geologist is required to drive to remote areas on State business and safely transport and operate all-terrain vehicles.

Essential duties will focus on water quality effects resulting from timberland/forestland management activities and use of best management practices. Perform and evaluate technical and policy work within the Redding Unit of the Forest Activities Program (FAP). Using reasonable and sound geologic



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principles, oversee the implementation of timberland management activities within the Redding area sub-region of the Central Valley Region. Responsibilities include: 1) serve as a liaison to numerous individual dischargers; 2) perform technical assessment of plans and reports to evaluate projects implementing construction/reconstruction/maintenance and use of erosion controls related to roads and watercourse crossings for water quality protection; 3) evaluate monitoring results and water quality data to assess timberland management practices for potential water quality degradation resulting from activities; 4) evaluate effectiveness of management practice implementation including potential for negative cumulative effects; and 5) conduct environmental and geologic investigations of timberland management activities and operations to evaluate compliance with the California Water Code and Water Boards' plans and policies, including Waste Discharge Requirements and Monitoring and Reporting Program requirements.

**Essential Functions (Including percentage of time):**

40%	Coordinate with the California Department of Forestry and Fire Protection to review timber harvest plans (THPs), Working Forest Management Plans (WFMPs), Non-industrial Timber Management Plans (NTMPs), and timber harvesting plan Emergencies and Exemptions, to evaluate the impact of logging operations and other forest management practices on the quality and beneficial uses of water. Conduct field inspections and develop recommendations to prevent, minimize and mitigate impacts to water quality from forest management, post-fire recovery, ecosystem restoration, and fuel reduction projects. Evaluation includes that of potential sediment production, hillslope stability, and mass soil movement as well as runoff and erosion control for roads and watercourse crossings. Implement and ensure compliance with the Central Valley Regional Water Quality Control Board's Timberland Management Activities Waste Discharge Requirements permit on a variety of non-federal projects with potential nonpoint source discharges. Gather data, prepare reports, communicate orally and in writing with affected parties and agencies, apply computer skills, and perform environmental analysis.
30%	Conduct inspections of timberland management to ascertain compliance with prescribed waste discharge requirements and the state's non-point source implementation policy to ensure that water quality objectives and permit conditions are met. Develop site-specific recommendations to prevent and minimize impacts to the Beneficial Uses of Waters of the State. Prepare professional inspection reports, correspondence, technical reviews, work summaries, and progress reports related to monitoring and assessment of timberland management activities. Prepare communications to dischargers for non-compliance, engage in settlement negotiations, and conduct enforcement in accordance with the Water Board Enforcement Policy. Compile project inspection, compliance and enforcement data into program systems. Provide support to other program staff including interpretation of slope stability, erosion potential, design of erosion and runoff best management practices.



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15%	Conduct and participate in various monitoring efforts designed to assess the effectiveness of Best Management Practices used during timberland management activities for protection of water quality. Monitoring is both quantitative and qualitative. Collect field water quality measurements, collect samples of water, soil, and waste for analyses, and gather information and substantiating data for enforcement actions. Work with the State Water Board's Office of Enforcement, the District Attorney's office, and Attorney General's office in the development of administrative enforcement and/or other formal enforcement actions associated with activities conducted in the forests of the region. Represent the Regional Water Board policies before the general public, special interest groups, technical committees, and governmental agencies in the review of timber harvest plans. Fulfill the unit's responsibilities to the office management and administrative staff with respect to providing timely responses to internal and external customers.
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**Marginal Functions (Including percentage of time):**

10%	Carry out the mission of the Board, including, but not limited to, participating in public meetings, external stakeholder groups, and technical committees. Present information to Water Board(s), state and federal agencies, industry and the public, as needed. Use communication skills, knowledge of geologic processes and professional judgment to clarify and/or interpret Board policy, water quality standards, and Board objectives. Present oral reports to the Board or other governing or regulatory boards and the public as directed. Prepare maps, graphs, and other visual aids for presentations as appropriate. Compile program information into appropriate databases in a timely and organized manner.
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. Ability to lift 15 pounds, bend and reach above shoulders. Navigating uneven, rugged terrain including slopes in excess of 65% and through thick vegetation for extended periods of time, in extreme temperatures throughout the workday, carry more than 50 lbs., standing/sitting and driving for long periods of time, etc. Hours during field work may exceed a normal 8-hour workday.

**Typical Working Conditions:**

The incumbent works in an office building in Redding, in an enclosed office cubicle in a smoke-free environment. The work schedule is Monday through Friday. Travel may be required locally and within the state.



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<b>Supervisor Statement</b>		
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