



Classification: Engineering Geologist
 Position Number: 880-260-3756-013 and 880-260-3756-009

DUTY STATEMENT

CURRENT PROPOSED

RPA Number: 24-260-058 24-260-112	Classification Title: Engineering Geologist	Position Number: 880-260-3756-013 880-260-3756-009
Incumbent Name: Vacant	Working Title: Engineering Geologist	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R09
Division/Office: Office of Enforcement		Section/Unit: Cannabis Enforcement Unit
Supervisor's Name: Jordan Zakaria		Supervisor's Classification: Senior Environmental Scientist (Supervisory)

Human Resources Use Only:	
HR Analyst Approval: Julie Vega	Date: March 2025

General Statement	
Under the close supervision of the 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) in the Cannabis Enforcement Unit is responsible for conducting inspections and investigations at suspected cannabis cultivation sites statewide. The EG evaluates compliance with statewide regulations and facilitates enforcement actions pursuant to the California Water Code. In this role, the EG uses a variety of investigative techniques and research tools including GIS, LandVision, Google Maps, and the California Integrated Water Quality System (CIWQS) to produce formal and informal actions.	
Essential Functions (Including percentage of time):	
40%	Using geologic knowledge and technical expertise, conduct field investigations jointly with local, state, and federal staff and law enforcement officials at suspected cannabis cultivation



Classification: Engineering Geologist
 Position Number: 880-260-3756-013 and 880-260-3756-009

	<p>sites where chemicals, including fertilizers, nutrients, toxic substances, and/or hazardous materials/wastes are being used, stored, or discharged. Investigate/inspect cannabis cultivation sites to assess actual or threatened discharges of sediment, waste, or other deleterious materials that could affect the quality of water of the state. Document and assess geologic best management practices (BMPs) of cannabis cultivation related infrastructure and site features including ponds, culverts, or other constructed stream crossings Use Engineering Geologist expertise and judgment to evaluate and document geologic and mineralogical hazards such as collapsible and expansive soils, slope stability on graded areas, load capacities of road cuts and fills, and potential impacts to water quality. Develop and/or identify geologic site-specific measures to minimize operational impacts to water quality and/or beneficial use and prepare site-specific recommendations for site rehabilitation. Make appropriate recommendations for abatement and/or prevention of actual and/or threatened discharges to waters of the state. Provide geologic technical review of site assessments and remedial actions, both proposed and completed, and disseminate information on new and alternative remedial technologies. Develop sampling and testing procedures.</p>
30%	<p>Coordinate with state and local agencies, including Regional Water Quality Control Boards, California Department of Fish & Wildlife, Department of Cannabis Control, County Health Departments, County Sheriff's offices, and other partnering agencies, in the development of both formal and informal enforcement actions. Work collaboratively with state and local agencies to identify inspection targets, develop preliminary geologic inspection plans, and coordinate responses for efficient use of regulatory and enforcement resources. Using geologic knowledge and technical expertise, provide expert testimony for Water Board enforcement hearings or in court proceedings regarding the geological and/or environmental impact of cannabis cultivation at specified sites, including the threats to water quality from improperly engineered site processes or conditions. Attend state and local enforcement task force meetings and tactical/strategy meetings. Provide outstanding customer service to internal and external customers leading up to, during, and following completion of inspection and/or enforcement related duties. Provide outreach, education, and/or training to partnering agencies, members of law enforcement, the regulated community, and/or other external stakeholders.</p>
15%	<p>Using geologic knowledge and technical expertise, conduct and participate in enrollment enforcement/verification activities, including review of aerial imagery and Geographic Information System (GIS) data to identify private properties with evidence of development or use for cannabis cultivation; compare imagery and GIS information with enrollment records and identify owners of properties not enrolled for coverage under the order. Generate enrollment enforcement letters, including regulatory program notification letters and informal enforcement orders; field and track responses to enrollment enforcement mailing and identify parties requiring referral to the enforcement unit for formal enforcement. Use sound geologic knowledge and judgment to prepare informal and formal enforcement actions and referrals to other agencies based on violations identified during inspections.</p>



Classification: Engineering Geologist
 Position Number: 880-260-3756-013 and 880-260-3756-009

Marginal Functions (Including percentage of time):		
10%	Provide assistance to those in the regulated community, and partners at the state and local level with respect to outreach and education regarding proper site management and use of BMPs to minimize threats to water quality and supply. Present results and/or findings to State and Regional Water Board staff, Executive Staff, and/or other Water Board stakeholder groups.	
5%	Perform other duties as assigned.	
Typical Physical Conditions/Demands:		
This job requires the incumbent to utilize a personal computer and various field equipment, including a handheld radio, a handheld GPS device, a digital camera, and notebook/clipboard while conducting outdoor regulatory inspections. This position will frequently require the incumbent to navigate uneven, rugged terrain for extended periods of time, including hiking and climbing, in extreme temperatures and a variety of weather conditions, including rain, wind, snow, and fog, throughout the workday, standing/sitting for long periods of time. The position requires the incumbent to conduct extended, multi-hour, multi-day, outdoor inspections and lift 25 pounds.		
Typical Working Conditions:		
During the off-season the incumbent will work on the 23rd floor of a high-rise office building in downtown Sacramento, in an enclosed, non-windowed office cubicle in a smoke-free environment. During the active-cultivation season the incumbent will work both in-office and outdoors while conducting inspections at suspected cannabis cultivation sites. Outdoor inspections conducted throughout the state may subject the incumbent to a variety of weather conditions, including warm weather, cold weather, rainy, windy, snowy, and/or foggy conditions. The work schedule is Monday through Friday. Mandatory overtime, including evening and weekend work may be necessary while conducting inspections. Travel is required locally and within the state. This position is currently hybrid-work eligible.		
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
Jordan Zakaria		
Employee Name	Employee Signature	Date