

STATE OF CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION POSITION ESSENTIAL FUNCTIONS DUTIES STATEMENT PO-199 (04/01)		Working Title of Position Forest Practice Scientist	
		Division and/or Subdivision Resource Management/Forest Practice	
INSTRUCTIONS: The Director is required by Government Code Section 19818.12 to report (or to record) "...material changes in the duties of any position in his or her jurisdiction". The Position Essential Functions Duties Statement is used for this purpose. Enter identifying information and effective date at the right. Enter brief description of each of the important duties and responsibilities of the position below. Group related duties in numbered paragraphs and indicate the percentage of total time occupied. Indicate the "essential functions" of the position by placing an asterisk (*) in front of those individual duties you determine to be essential to the job. Discuss the duties with the employee assigned to the position. Both the employee and supervisor sign the document where indicated. The supervisor retains the original document and provides a copy to the employee.		Location of Headquarters Sacramento	
		Class Title of Position Senior Environmental Scientist Specialist	
		Position Number 541-730-0765-002	
		Effective Date January 20, 2026	
Percentage of Time Required	Effective on the date indicated, the employee assigned to the position identified above performs the following duties and responsibilities.		
25%	<p>Under the direction of the Forester III, Forester II or Supervising Environmental Scientist, the Senior Environmental Scientist (Specialist) provides biological and hydrological expertise to support environmental protection and compliance with legislative and regulatory requirements. Responsibilities include developing and implementing research and monitoring programs, conducting field surveys of biological resources and stream characteristics, preparing and reviewing environmental documents, and assessing project impacts on aquatic and terrestrial ecosystems. The position also delivers training, collaborates with internal staff and external agencies, and will lead complex research on sensitive ecological and hydrological issues to assist the Department of Forestry and Fire Protection (CAL FIRE) in achieving compliance with legislative and regulatory requirements related to ecological performance.</p> <p>Assigned Tasks:</p> <p>*Plan, organize, and conduct monitoring activities and projects, including technical support, training, and administration, to meet statewide needs for watershed, soil, and wildlife ecological performance monitoring, including evaluation of the Forest Practice Rules for effectiveness and implementation, Cumulative Effects, and other Resource Management environmental issues.</p> <p>*Conduct geospatial and statistical analyses at the Senior Environmental Scientist (Specialist) level on data sets for watershed and wildlife related projects, studies and research data.</p>		
20%	<p>*Plans, organizes, and conducts hydrological and aquatic ecosystem (specifically freshwater fisheries) studies to monitor and improve water quality and quantity within forested landscapes and surrounding environments, and to protect beneficial uses of water. *Designing and implementing monitoring protocols; conducting field work to collect data on streamflow, sediment transport, channel morphology, and aquatic habitat; and operating data-logging instruments for continuous measurement. *Prepares technical reports, maps, and forecasts using modeling tools to evaluate the effectiveness and implementation of Forest Practice Rules. *Collaborates with foresters, scientists, ecologists, and land managers to ensure integrated resource management and scientifically sound methodologies.</p> <p>*These are the essential functions for this position. Essential functions are those functions that the individual who holds the position must be able to perform unaided or with the assistance of a reasonable accommodation.</p>		
Job qualifications and/or conditions of employment: See page 2.			
"We have discussed this document in its entirety and understand the duties of this position."			
Employee Signature _____		Date _____	
Supervisor Signature _____		Date _____	
Personnel use only <input type="checkbox"/> Posted to Directory		Initials and date _____	

Percentage of Time Required Effective on the date indicated, the employee assigned to the position identified above performs the following duties and responsibilities.

20%	<p>*In coordination with other Department staff, Natural Resource Agency staff, and timberland owners; identify problems, develop technically sound landscape-scale management plans and planning recommendations (e.g., PTEIRs, HCPs) for biological (e.g., fisheries resources, terrestrial resources, cumulative watershed effects) and hydrological resources. *This includes coordination with representatives from the Department of Forestry and Fire Protection (CAL FIRE), and other state and federal agencies in project review to ensure conformance with the requirements of the Forest Practice Act and Rules and other statutory and regulatory requirements and to ensure timely completion of project review.</p>
15%	<p>*Synthesize monitoring results for the Department of Forestry and Fire Protection (CAL FIRE) Executive Staff, the Board of Forestry and Fire Protection, other agencies, and the general public, including descriptions of purpose and need, scientific methods, results and technical analysis, evaluation of implications for resources and forest management operations, and disclosure of any possible limitations of results and any scientific uncertainty. *All reports shall discuss the statistical, physical and biological relevance of the results.</p>
10%	<p>*Serve as a subject matter expert on biological resource management, maintaining advanced scientific knowledge of species-specific breeding, foraging, and habitat requirements; state and federal regulatory classifications; and best management practices to mitigate adverse impacts from timber operations on non-federal timberlands in California. *Ensure adherence to the Forest Practice Rules and related environmental laws by providing guidance, reviewing projects for compliance, and recommending measures that align with statutory and regulatory requirements</p>
5%	<p>*Maintain professional qualifications through training, conference attendance, professional/scientific committee participation, and reviewing scientific literature.</p>
5%	<p>*Respond to emergency incidents as qualified. *Maintain proficiency, qualification, and experience standards, including but not limited to the Incident Command System, in accordance with applicable laws, rules, and departmental policy. *Emergency incidents may include, but are not limited to, post-fire assessments (WERT). Other job-related duties as assigned.</p>
<p>*These are the essential functions for this position. Essential functions are those functions that the individual who holds the position must be able to perform unaided or with the assistance of a reasonable accommodation.</p>	

Job qualifications and/or conditions of employment: **This position may require travel up to 5% of the time. This travel may be local or statewide and may result in overnight stays.**

"We have discussed this document in its entirety and understand the duties of this position."

Employee Signature _____	Date _____	Supervisor Signature _____	Date _____
Personnel use only	<input type="checkbox"/> Posted to Directory	_____	_____
Initials and Date			