

STATE OF CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION POSITION ESSENTIAL FUNCTIONS DUTIES STATEMENT PO-199 (06/16)		Working Title of Position Wildfire Risk Specialist	
		Division and/or Subdivision Fire and Resource Assessment Program (FRAP)	
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 541-780-0765-904	
		Effective Date October 23, 2025	
Percentage of Time Required	Effective on the date indicated, the employee assigned to the position identified above performs the following duties and responsibilities.		
40%	Under direction provided by the Senior Environmental Scientist (Supervisory) for Hazard and Risk Assessment in FRAP, this position is responsible for leading and coordinating projects and activities related to the evaluation of wildfire hazard and risk across California, and for supporting the environmental assessment functions of FRAP. Specific job duties include the following: Spatial Wildfire modeling - PODS *Serve as project lead for the development and implementation of Potential Operational Delineations (PODS) across CAL FIRE Units, as required by SB 1101. *Support quantitative wildfire risk assessment. *Statistical analysis of wildfire hazard related data. *Participate in stakeholder meetings for the development of PODs. *Coordinate with CAL FIRE Units on use of PODs framework to implement prescribe fire and related mitigation measures.		
25%	Wildfire hazard and risk characterization – analytics for planning, decision support, and regulatory products *Provide analytics and support for Fire Hazard Severity Zones (FHSZ), Unit and State fire plans, and other department strategic planning efforts, including estimating wildfire probability, modeling prescribed fire, improving models for urban wildfire spread and other wildfire modeling. *Use spatial data management software, Geographic Information Systems (GIS), and spatial fire simulation models to implement risk-informed analysis in land management decision support projects, including statistical methods for determining inference and uncertainty.		
15%	Field-based research and monitoring on fire effects *Assist with field data collection and analysis to support research/monitoring of fire effects from wildfires and prescribed fire. *This will include evaluating fire effects on vegetation conditions and structure, post fire erosion, smoke production and transport, etc. *Coordinate with University and Agency partners on studies to evaluate fire effects. *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.		
Equal Employment Opportunity (EEO) Statement: All CAL FIRE employees are expected to conduct themselves in a professional manner that demonstrates respect for all employees and others they come in contact with during work hours, during work related activities, and anytime they represent the department. Additionally, all CAL FIRE employees are responsible for promoting a safe and secure work environment free from discrimination, harassment, inappropriate conduct, or retaliation.			
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 ☐ Posted to Directory			
Initials and date _____			

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Percentage of Time Required	Effective on the date indicated, the employee assigned to the position identified above performs the following duties and responsibilities.		
10%	*Provide support for development of and updates to the California Forest and Rangeland Assessment report. *This may include primary or co-authorship of assessment chapters related to wildfire. *Develop and maintain indicators related to wildfire hazard, risk, and fire effects.		
5%	*Serve as technical expert for the department on wildfire hazard and risk modeling. *Participate in the Wildfire and Forest Resilience Task Force and other interagency committees. *Prepare and deliver technical presentations to the Board of Forestry, CAL FIRE executives, and other professional meetings.		
5%	*Other job-related duties as assigned, in accordance with the class specifications. *May include non-fireline assignments on wildfire incidents or post fire damage assessments. *This will include current non-safety fireline training typical for prescribed fire monitoring and analysis duties. *Provide support for special projects and program administration as needed.		
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Job qualifications and/or conditions of employment: - The incumbent must be absent of any medical condition which would preclude the safe and efficient performance of a Senior Environmental Scientist (Specialist). Persons unsuccessful in the required medical exam cannot be appointed. - The ability to travel to remote parts of the state, conduct field sampling involving moderate to difficult physical activities including hiking on rough terrain, carrying equipment, sampling vegetation and other site attributes. This travel may be local or statewide and may involve overnight stays.			
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