

DUTY STATEMENT

DFW 242A (REV. 07/18/22)

Department Statement:

California is one of the most biodiverse places on the planet. As such, the Department of Fish and Wildlife (CDFW) values diverse employees working together to protect nature for all Californians. CDFW is committed to fostering an inclusive work environment where all backgrounds, cultures, and personal experiences can thrive and connect others to our critical mission.

INSTRUCTIONS: A duty statement and organizational chart must be submitted with each Request for Personnel Action, Form 242	EFFECTIVE DATE
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DFW DIVISION/BRANCH/REGION/OFFICE Bay Delta Region (Region 3)	POSITION NUMBER (Agency-Unit-Class-Serial)
UNIT NAME AND LOCATION Fish Restoration Program – Stockton, CA	CLASS TITLE Senior Environmental Scientist (Specialist)
INCUMBENT	CURRENT POSITION NUMBER (Agency-Unit-Class-Serial) 565-331-0765-045

BRIEFLY DESCRIBE THE POSITION'S ORGANIZATION SETTING AND MAJOR FUNCTIONS

Under the direction of a Bay Delta Region Environmental Program Manager I (Supervisory), the Senior Environmental Scientist (Specialist) will be responsible for conducting complex and detailed analysis, synthesis, and modeling of data pertaining to the effectiveness of tidal wetland restoration projects in the Sacramento-San Joaquin Delta and Suisun Marsh in providing food web and habitat benefits to native fish species. This position will co-lead reporting and publication efforts under the Fish Restoration Program (FRP).

PERCENTAGE OF TIME PERFORMING DUTIES	INDICATE THE DUTIES AND RESPONSIBILITIES ASSIGNED TO THE POSITION AND THE PERCENTAGE OF TIME SPENT ON EACH. GROUP RELATED TASKS UNDER THE SAME PERCENTAGE WITH THE HIGHEST PERCENTAGE FIRST. (USE THE REVERSE SIDE IF NECESSARY.)
	ESSENTIAL FUNCTIONS:
25%	ANALYSIS, SYNTHESIS, AND REPORTING: Maintain current knowledge of literature relevant to tidal wetland restoration, upper San Francisco Estuary aquatic ecology, and statistical analysis and modeling. Use coding in R and potentially use machine learning on various software platforms to independently perform advanced analyses of FRP data and related available data from other programs to evaluate restoration effectiveness and inform adaptive management of FRP and future restoration projects. Develop permit-required programmatic and restoration project-specific technical reports in coordination with program staff.
20%	PUBLICATION AND PRESENTATION: Prepare publications for peer-reviewed journals and contribute to broader topical technical reports and outreach materials. Give presentations at Interagency Ecological Program workshops, regional and national conferences, Project Work Team meetings and other interagency review teams and management forums.
15%	SCIENCE MENTORING AND SUPPORT: Mentor or train staff in data management, quality assurance/quality assurance (QA/QC), analysis, and effective communication of data findings through written descriptions and visual tools such as tables, maps, graphs, and other figures. Provide quality control and analytical support for FRP Environmental Scientists.
15%	INTERAGENCY COORDINATION: Attend and facilitate meetings and workshops related to the FRP monitoring program. Coordinate monitoring within FRP and with other monitoring and research efforts. Leverage existing partnerships and develop new collaborations with other scientists to support integrated synthesis, analysis, modeling, and outreach as a member of interagency and focused technical teams. Provide external data users with guidance on data use and access.
10%	FIELD WORK: Deploy nets from boats to collect invertebrates and fish from wetland and open water habitats and use instruments to measure water quality parameters. Ensure that all crew members follow standard operating procedures and completely and correctly record field data. Identify

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10%	common plants and juvenile and adult fish in a field setting. Drive a vehicle to and from field work sites located in isolated locations along the Delta to transport sampling and other related field work equipment. LABORATORY ASSISTANCE: Sort ethanol-preserved invertebrate samples, filter sample water for nutrient analysis, and calibrate water quality equipment in the laboratory. <u>NON-ESSENTIAL FUNCTIONS:</u>		
5%	Perform administrative tasks, including tracking of time worked. Attend career development and training programs and seminars as appropriate to contribute to the achievement of the Fish Restoration Program's goals and objectives. Maintain professional qualifications through training. Complete all California Department of Fish and Wildlife policy and training requirements. Actively participate in program meetings. WORKING CONDITIONS: Using a computer for most of the workday, 5 days a week, when in the office. Involves sitting most of the time but may involve walking or standing for brief periods. Several days a month, work aboard a small research vessel collecting and processing biological samples. Field work involves kneeling, reaching, and lifting gear up to 40 pounds, may occur in inclement weather or rough water, and require early starts and long workdays. Must possess a valid driver's license and be prepared to operate a State vehicle.		
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.			
PRINT SUPERVISOR'S NAME		SUPERVISOR'S SIGNATURE	DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.			
I HAVE READ AND UNDERSTAND THE DUTIES AND ESSENTIAL FUNCTIONS OF THE POSITION AND CAN PERFORM THESE DUTIES WITH OR WITHOUT REASONABLE ACCOMMODATION.			
PRINT EMPLOYEE'S NAME		EMPLOYEE'S SIGNATURE	DATE