

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Environmental Scientist		DWR POSITION NUMBER 0360-0762-018	SAP POSITION NUMBER 50002777	MCR 1
APPOINTEE VACANT		SAP PERSONNEL NO.	DIVISION/SECTION DISE/EMRR	
COLLECTIVE BARGAINING IDENTIFIER				
Management Related BU: ☐		Supervisory Related BU: ☐	Confidential Related BU: ☐	Rank and File BU: ☒ 10
RESPONSIBILITIES EXERCISED ☐ Supervisory ☒ Lead Person		IMMEDIATE SUPERVISOR (Print) Mackenzie Miner	SUPERVISOR'S CLASSIFICATION Senior Environmental Scientist	
APPROVED BY (Personnel Analyst's Name) Jennifer Greathouse			DATE 10-19-26	
<i>Percent of Time</i>	<i>Activity</i>			
	POSITION SUMMARY Under the direction of the Aquatic Ecology Unit (AEU) Supervisor, the incumbent conducts investigations on the aquatic ecology of the Sacramento-San Joaquin Delta. In this capacity, the incumbent will perform long-term monitoring and design special studies that involve field work in variable conditions. They are responsible for the collection of fish, zooplankton, phytoplankton, and water quality samples, and will be a lead person in processing chemical and biological samples in a laboratory. In addition to data collection, the incumbent is responsible for data quality management and analysis, and the preparation and presentation of written and oral project reports.			
	ESSENTIAL FUNCTIONS The incumbent is required to work cooperatively and collaboratively with others in a multi-disciplinary setting, maintain regular, consistent, and predictable attendance, exercise good judgment, contribute to a safe and inclusive work space, and follow Unit and Department safety policies. Situational awareness, communication, and organizational skills are paramount. The specific essential functions include:			
40%	Serve as a lead person in the collection and processing of fisheries, invertebrate, and water quality data that support regulatory compliance, resource management, and ongoing research in the Yolo Bypass and Sacramento-San Joaquin Delta: Understand and implement sampling and safety protocols while ensuring compliance with permits and overseeing field crews. Operate, maintain, and troubleshoot field equipment and survey gear, including rotary screw traps, fyke traps, beach seines, plankton nets, and water quality instrumentation. Perform chemical, biological and molecular field and laboratory analyses such as chlorophyll filtration & preservation, polymerase chain reactions, DNA purification, quantification and normalization. Perform data management and quality assurance, including development and review of Standard Operating Procedures (SOPs). Field work requires driving state vehicles and vessels, work is conducted on and around boats.			
30%	Analyze and synthesize ecological data from the Yolo Bypass Fish Monitoring Program, it's			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print)		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.				
EMPLOYEE'S NAME (Print)		EMPLOYEE'S SIGNATURE ➤		DATE

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<i>Percent of Time</i>	<i>Activity</i>				
30% Cont.	affiliated special studies, or other monitoring datasets using statistical software and data processing applications. Advanced statistical techniques are required for some of these analyses. Facilitate data publications in accordance with AB 1755 and the principles of FAIR (findable, accessible, inter-operable, and reusable) data.				
15%	Summarize and communicate research methods and major study findings by preparing peer-reviewed articles, technical reports, and oral or poster presentations at relevant scientific workshops and conferences. Review and comment on articles, reports, memoranda, and project proposals developed by other staff and agencies as required. Participate in DWR or inter-agency technical teams as appropriate.				
10%	Participate in the development of study plans for ecological studies, including developing sampling methods and applications for required permits. The incumbent may serve as a lead person for special studies and as such must ensure implementation of safety precautions in the field, train new staff in research protocols, and ensure that field samples are properly collected, preserved, and processed.				
5%	Serve as purchasing contact for the unit. Ensure all purchases follow Department guidelines and review process.				
	SPECIAL REQUIREMENTS Field sampling may require traversing uneven terrain and boat activities in rugged outdoor environments and inclement weather. The incumbent must be physically fit to meet the demands of field studies in aquatic habitats. Specifically, the incumbent must be able to: • Swim at least 50 yards and stay afloat at least 10 minutes with the assistance of a personal flotation device • Work on boats without severe incapacitation due to seasickness • Move and transport equipment up to 50 pounds, with assistance The incumbent may also be required to conduct field sampling at night to meet project objectives. Overtime and weekend work may be required as necessary to meet project objectives. The incumbent will be required to drive to field study locations and to off-site meetings and must possess a valid California driver's license. All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination. The Department of Water Resources is committed to its mission and employees, and we are grounded in our commitment to public safety. Regular, consistent, and predictable attendance is essential to successful performance in this position				