



STATE WATER RESOURCES CONTROL BOARD
Office of Information Management and Analysis (OIMA)

2023 Sea Grant Fellow

HOST APPLICATION

1. Host Location and Contact Information:
State Water Resources Control Board, Office of Information Management and Analysis
California Environmental Protection Agency Headquarters Building, 19th Floor
1001 I Street
Sacramento, CA 95814
www.waterboards.ca.gov
2. Fellowship Supervisor:
Ali Dunn, Senior Environmental Scientist Supervisor
Surface Water Ambient Monitoring Program Unit Chief
ali.dunn@waterboards.ca.gov
(916) 319 - 8458
3. Point of Contact for California Sea Grant, Prospective Fellows, and Finalists:
Ali Dunn
4. Position Description:
The State Water Resources Control Board is a regulatory agency whose mission is to preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use, for the benefit of present and future generations.

Under the general direction of the of the [Surface Water Ambient Monitoring Program \(SWAMP\)](#) Unit senior, the Sea Grant Fellow (Fellow) will apply data science practices to perform complex analysis, interpretation and visualization of environmental data collected by Water Board Programs, including SWAMP, and partner agencies to inform water quality managers and the public. The SWAMP Unit is part of the State Water Board's [Office of Information Management and Analysis](#), home of the [College of Water Informatics](#).

SWAMP's purpose is to inform management decisions and improve the efficiency and effectiveness of Water Board actions (permits, policies, resource management and other activities). Its monitoring programs collect hundreds of chemical, physical and biological samples each year in primarily freshwater and some marine environments. Duties may include coordinating with partner agencies and programs, data analysis and interpretation, data visualization and communication, field sampling and logistics, participating in monitoring study design, meeting facilitation, organization and notetaking, adding content to the [My Water Quality Portals](#), presentation of findings to both technical and lay audiences, and incorporating racial equity and environmental justice principles and practices into their work.

The Fellow will also perform other duties, as assigned, to support the SWAMP Unit and the Office of Information Management and Analysis, such as community engagement event planning and participation, trash and macroplastic monitoring in marine and freshwater environments, or assistance with [healthy watershed assessments](#). In performing these duties, the Fellow will interact with interested agency staff, stakeholders and the general public in a courteous and helpful manner. The Fellow is responsible for the quantity, quality, and timeliness of work assigned.

Skills or attributes we seek include:

- Ability to perform complex scientific analysis and communicate findings to technical staff, managers, and the general public.
- Strong interest in the mechanics of utilizing science to inform public policy.
- Strong interest in the intersections of water, data, environmental justice, and racial equity
- Ability to lead groups of people, often with divergent views on how to move forward on a particular issue.
- Excellent verbal and written communication skills.
- A problem solver with strong personal initiative and the ability to work well under minimal supervision.