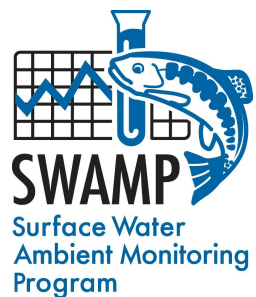


Introduction to the CA Water Boards & the Surface Water Ambient Monitoring Program

Anna Holder (she/her)

Environmental Scientist & Tribal Coordinator

California State Water Resources Control Board



CSU-WATER Annual Conference

Apr. 13, 2023

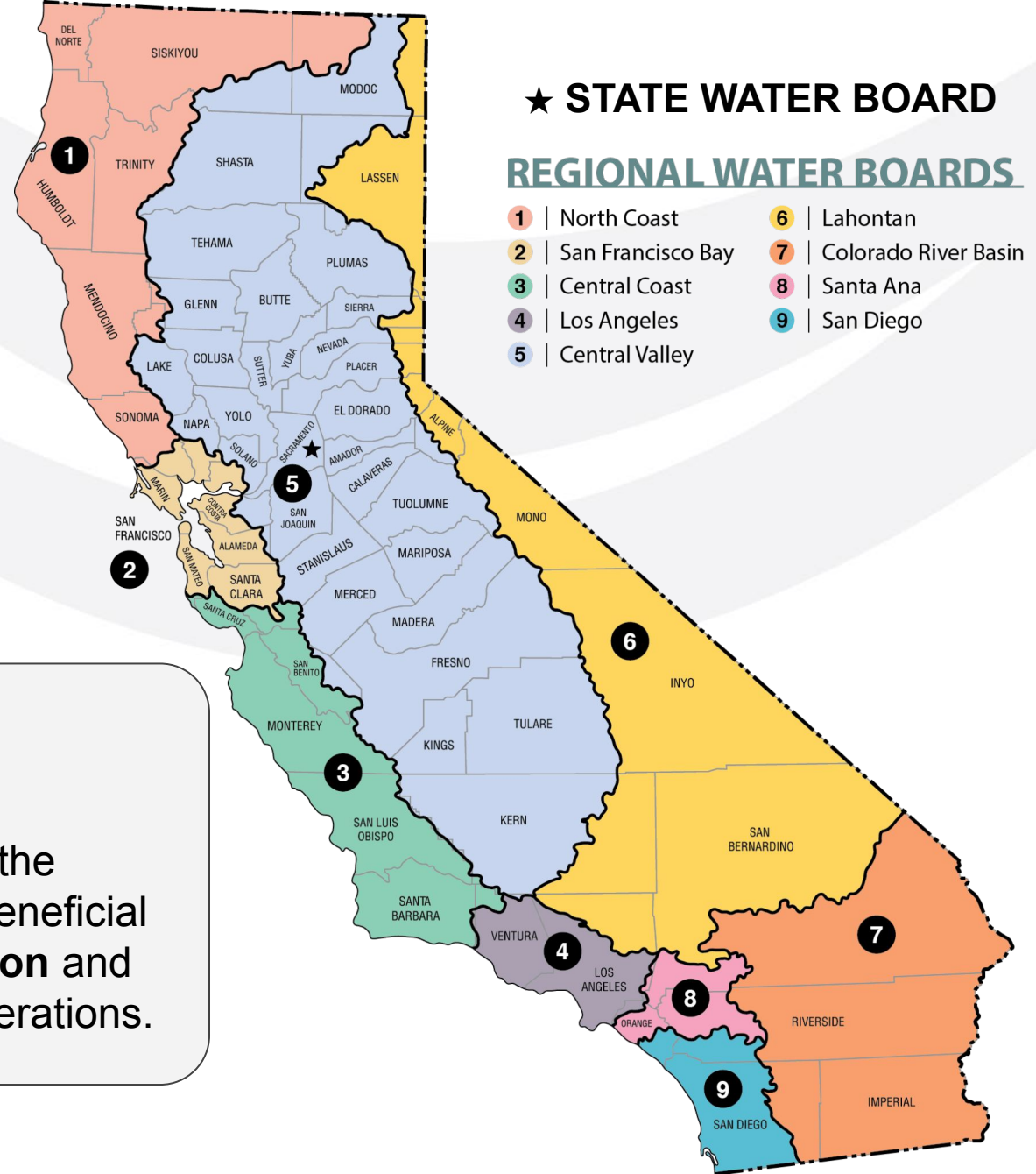
What are the CA Water Boards?

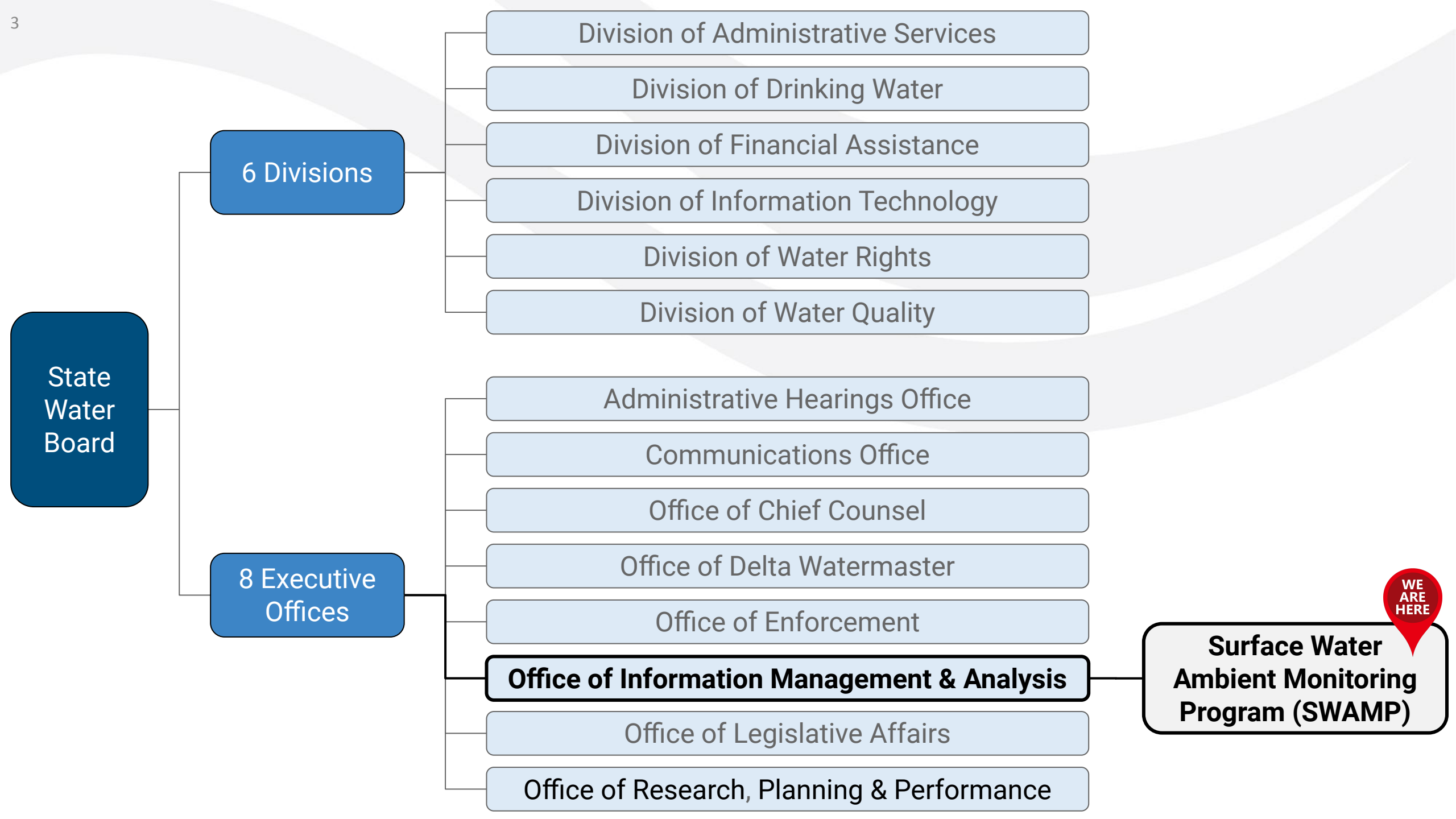
10 Boards, 43 Office Locations

- 1 State Board
- 9 Regional Boards

Water Boards Mission

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.





State Water Board

6 Divisions

- Division of Administrative Services
- Division of Drinking Water
- Division of Financial Assistance
- Division of Information Technology
- Division of Water Rights
- Division of Water Quality

8 Executive Offices

- Administrative Hearings Office
- Communications Office
- Office of Chief Counsel
- Office of Delta Watermaster
- Office of Enforcement
- Office of Information Management & Analysis**
- Office of Legislative Affairs
- Office of Research, Planning & Performance

Surface Water Ambient Monitoring Program (SWAMP)



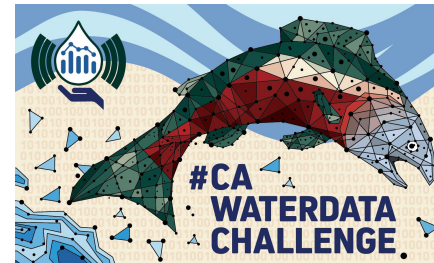
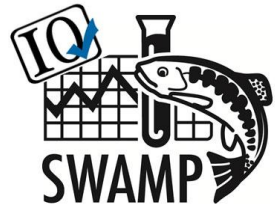
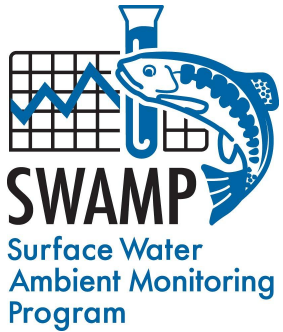
State Water Board's Office of Information Management & Analysis (OIMA) Scope

SWAMP Monitoring & Data Management

Open Data & Information Access

Tribal & Community Engagement

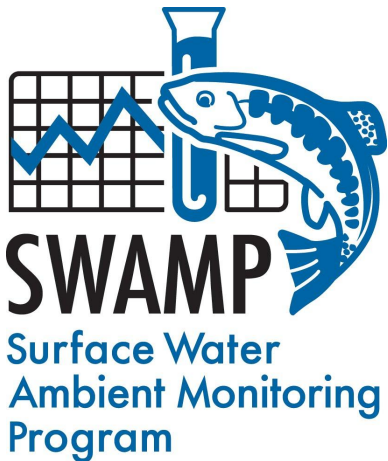
Water Data Community Partnerships

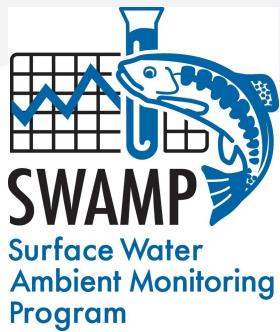


Use data to advance and operationalize racial equity!

Surface Water Ambient Monitoring Program

- Created in 2000 in response to [Assembly Bill 982](#) (Ducheny, 1999) to develop a comprehensive statewide surface water quality monitoring program to assess the condition of California's watersheds
- Leads & facilitates collaboration between CA Water Boards and partners





The SWAMP mission is to provide resource managers, decision makers, and the public with timely, high-quality information to evaluate the condition of all surface waters throughout California.

All SWAMP Monitoring programs are designed to address the following assessment questions:

- **Status:** What is the overall quality of California's surface waters?
- **Trends:** What is the pace and direction of change in surface water quality over time?
- **Problem Identification:** Which water bodies have water quality problems and which areas are at risk?
- **Diagnostic:** What are the causes of water quality problems and where are the sources of those stressors?
- **Evaluation:** How effective are clean water projects and programs?

SWAMP Monitoring Programs

Bioaccumulation Monitoring Program



- Monitor contaminant concentrations in fish tissue
- Safe to Eat Workgroup

Freshwater Harmful Algal Bloom Program

- Monitor and respond to freshwater harmful algal blooms
- CA Cyanobacteria and Harmful Algal Bloom (CCHAB) Network

Bioassessment Program

- Monitor aquatic life (insects and algae) and habitat in waterbodies
- Bioassessment Workgroup

Toxicology and Contaminants Program

- Monitor trends in sediment toxicity and contaminant concentrations

Regional Monitoring Programs

- Regions monitor specific to regional priorities

DIVERSITY, EQUITY & — INCLUSION —



DIVERSITY
ASKS

WHO
— IS IN —
THE ROOM



EQUITY
ASKS

WHO IS
— TRYING TO —
GET IN THE ROOM
BUT CAN'T



INCLUSION
ASKS

— **HAVE** —
EVERYONE'S
IDEAS BEEN
HEARD



How can we do our part to

- 1) facilitate diversity, equity, inclusion, and belonging into OIMA & SWAMP Projects
- 2) address and correct systemic social and environmental injustices experienced by the communities we serve?

OIMA/SWAMP & CSU-WATER Synergies

General Topic Areas

Almost anything with a water & data nexus!

- Equity
- SWAMP
- Open Data / Open Science
- Water Boards Data
- Water Quality

Recent OIMA Project Topics

- COVID Wastewater Surveillance
- Drinking Water
- Recycled Water
- Sanitary Sewer Overflows
- Trash/microplastics
- [Tribal Water Data Initiatives](#)

Are there any questions on topics I've covered?

What opportunities exist for collaboration, coordination, and/or partnership?

Are there other synergies or interests you'd like to discuss?

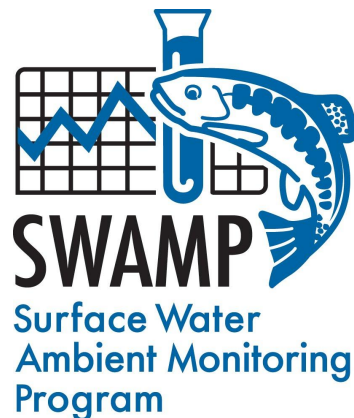


Thank You!

Anna Holder

Environmental Scientist & Tribal Coordinator

anna.holder@waterboards.ca.gov



Additional Resources

- [Office of Information Management and Analysis \(OIMA\)](#)
- [Surface Water Ambient Monitoring Program \(SWAMP\)](#)
- [California Water Quality Monitoring Council](#)
- [California Water Boards](#)
 - [Map of Water Board Regions](#)
 - [Racial Equity](#) | [Resolution](#) (Nov 2021) | [Action Plan](#) (Jan 2023)



SWAMP Priorities

SWAMP Strategic Action Plan 2020-2023

Align monitoring
and assessment
efforts with Water
Board program +
community / public
needs

Establish and
maintain effective
coordination and
communication
systems and
processes

Develop and share
user-centered
resources, training,
and tools

How does SWAMP help protect and restore water quality in CA?

