

Delany Broome

[Delany Broome](#) | [LinkedIn](#) | delany_broome@berkeley.edu | (602) 573-6696

Senior Scientist with CA statewide coordination authority across oil spill response, water quality data, and emerging contaminant policy. Lead author of the 2026 State of California Oil Spill Contingency Plan. Currently pursuing an M.S. in Climate Change Solutions at UC Berkeley with a capstone on market mechanisms for methane-reducing livestock technologies.

CORE STRENGTHS

- Statewide Program Coordination
- Multi-Agency & Tribal Stakeholder Leadership
- Federal-State Liaison (USCG, U.S. EPA)
- Emergency Response Preparedness and Planning
- Emerging Risk Integration (Renewable Fuels, Li-ion, Offshore Wind)
- Environmental Data Management at Scale
- Python / SQL / Tableau
- Cost-Benefit & Market Mechanism Analysis

HIGHLIGHTS

Lead author, 2026 State of California Oil Spill Contingency Plan, coordinating 110+ federal, state, tribal, and industry partners.

California's Area Committee Chair
Representative to U.S. EPA Region IX for Coastal Area Contingency Plan oversight under Clean Water Act and OPA90.

Led integration of renewable fuel preparedness into California's spill response doctrine.

Statewide Chemistry Data Manager for California's surface water monitoring program

Built Python, SQL, and Tableau ETL tools delivering a 30% reduction in data processing time across the CEDEN database.

Capstone: Advance Market Commitment design for methane-reducing livestock technologies (UC Berkeley, M.S. Climate Change Solution)

PROFESSIONAL EXPERIENCE

ACP Coordinator | Marine Oil Spill Response Planning & Preparedness, California Office of Spill Prevention and Response (OSPR), Sacramento, CA, July 2024 to August 2025

- Lead author, forthcoming **2026 State of California Oil Spill Contingency Plan**; coordinated the five-year statewide update across **110+ federal, state, tribal, and industry partners**.
- Led integration of **renewable fuel preparedness** into the 2026 SOSCP.
- Designated California's **Area Committee Chair Representative to U.S. EPA Region IX**; statewide oversight of **six Coastal Area Contingency Plans** under Clean Water Act and OPA90 mandates.
- Principal state liaison to the **U.S. Coast Guard**, federally and non-federally recognized California tribes, and federal partner agencies; coordinated internationally through the Pacific States/British Columbia Oil Spill Task Force and California-Mexico MEXUS Joint Response Team.

- Directed technical reviews of industry contingency plans and worst-case discharge trajectory analyses; authored spill preparedness standards adopted at the regional level.

Statewide Chemistry Data Manager, California State Water Resources Control Board, Sacramento, CA, June 2019 to July 2024

- Statewide Data Manager for chemistry, field, and time-series data across California's Surface Water Ambient Monitoring Program (SWAMP); concurrent Interim Bacteria Data Manager.
- Built **Python, SQL, and Tableau** ETL tools for the CEDEN database backend, reducing data processing time by **30%** and improving QA/QC transparency.
- Liaison across Regional and State Water Board programs (Regions 4, 7, 8, MPSL, SCCWRP); served as technical resource and coordinator for chemical laboratory services.
- Advised regional boards on sampling methodology, quality assurance, and monitoring designs for contaminants of emerging concern (microplastics, harmful algal blooms, trash pollutants); developed SOPs and QC methods for these contaminants.

Scientific Aid, California Central Valley Water Resources Control Board, Rancho Cordova, CA, February 2017 to June 2019

- Deployed for post-fire water quality response following the **2018 Camp Fire**; recognized as **Employee of the Month** for response performance.
- Conducted bacterial analysis, TMDL sampling, and data management for SWAMP and Mercury TMDL programs.

AmeriCorps Member, City Year Boston, Boston, MA, 2016 to 2017

- Full-year service commitment delivering **1,000+ hours** of academic and behavioral intervention with at-risk fifth-grade students in Boston Public Schools.

Lab Assistant Technician, Salt River Project Environmental Quality Lab, Phoenix, AZ, January 2013 to February 2016

- Performed drinking, ground, and surface water quality, soil, and hazardous materials analysis for Arizona's primary public utilities facility (metal and mercury digestions, alkalinity, pH, conductivity, turbidity, TSS, TDS, TCLP, oil and grease).
- EPA standard methods: SM 120.1, 130.1, 150.2, 180.1, 310.2, 200.7/200.8, 245.1, 1664A/1664B, 1684, 1311; EM 1603.

EDUCATION

Master of Science, Climate Change Solutions, University of California, Berkeley (Expected May 2026)

Professional Certificate, Data Analytics, University of California, Davis (2023)

Bachelor of Science, Chemistry, Arizona State University, The Honors College (2015)

CERTIFICATIONS

NIMS ICS 100, 200, 300, 400, 700, 800 | SEMS | 48-Hour HAZWOPER (Hazardous Waste Emergency Response Operations) | EROS (Environmental Response to Oil Spills)