

Photo: S. Moore, Board Member, State Water Resources Control Board, Sevenmile Slough

Delta Program Fact Sheet

Fiscal Year (FY) 19/20

Overview of the Delta Program

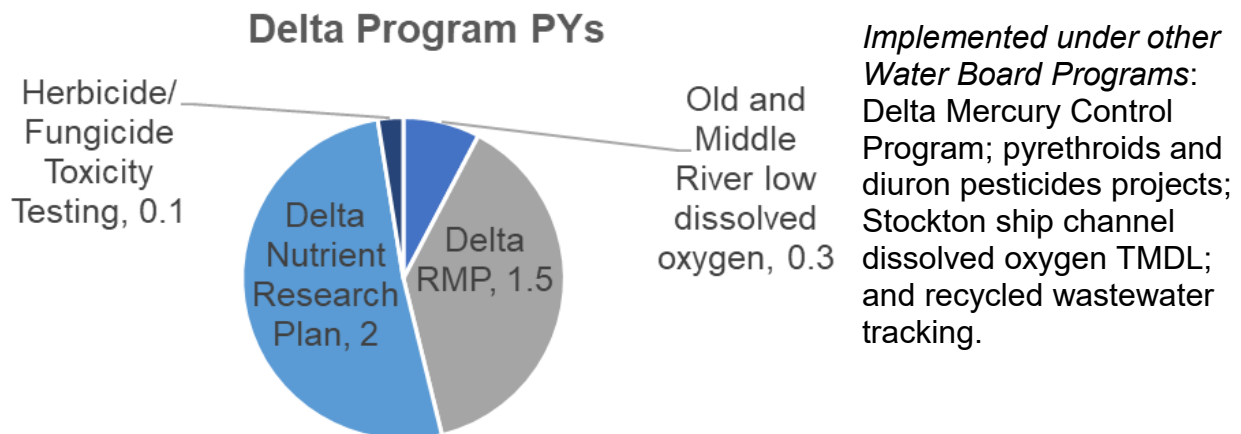
The objectives of the Delta Program are to improve and protect water quality in the Sacramento San Joaquin River Delta through Central Valley Water Board actions and coordination with other agencies. Board actions under the Program vary by constituent, and include development and implementation of total maximum daily load control programs, data acquisition, and review of water quality objectives. Actions are guided by the Central Valley Water Board's 2014 Delta Strategic Work Plan.

The Delta Program includes the Delta Regional Monitoring Program, a stakeholder-directed program formed to collect and evaluate data to improve understanding of Delta water quality issues.

Program Goals

- Coordinate with State and San Francisco Bay Water Boards regarding planning and permits affecting the Delta;
- Work with entities involved in monitoring and projects that impact Delta water quality; and
- Implement the [2014 Delta Strategic Work Plan](https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/strategic_workplan_baydelta/2014_delta_strategic_workplan.pdf) (https://www.waterboards.ca.gov/centralvalley/water_issues/delta_water_quality/strategic_workplan_baydelta/2014_delta_strategic_workplan.pdf)

Resources



FY 18/19 Accomplishments

Delta Nutrient Research Plan

- Plan approved by the Board in August.
- Began implementation, including Delta RMP studies, Board-funded numeric modeling, and grant award for harmful algae monitoring.

Delta Regional Monitoring Program

- Completed 3rd year of monitoring mercury in fish and water.
- Monitored with new pesticides and toxicity design and initiated pesticides interpretive report.
- Continued standardization project of chlorophyll sensors.
- Completed nutrient sampling using high-frequency, boat-mounted sensors.
- Added members Caltrans, Army Corps, and Dept. Water Resources.

Low Dissolved Oxygen in Old and Middle Rivers

- Staff reviewed DO data and factors potentially contributing to impairments.
- Added monitoring and reporting requirements to South Delta temporary barriers permit.

Herbicide and Fungicide Toxicity

- Continued toxicity testing of single chemicals to Delta algal species.

FY 19/20 Priority Projects

Delta Nutrient Research Plan

- Develop mass balance for phosphorous.
- Investigate nutrients and potential for harmful algal bloom management in Discovery Bay.
- Coordinate with State-wide biostimulatory and San Francisco Bay nutrient management programs.

Delta Regional Monitoring Program (RMP)

- Continue mercury, and nutrient monitoring and data analyses projects
- Continue stratified probabilistic pesticides and toxicity monitoring in 2 Delta subregions.
- Begin monitoring contaminants of emerging concern.
- Complete chlorophyll sensor intercalibration and pesticides/toxicity data interpretive reports.

Low Dissolved Oxygen in Old and Middle Rivers

- Finalize report evaluating DO conditions and management options.
- Present information item to the Water Board.

Herbicide and Fungicide Toxicity

- Test toxicities in cultures containing multiple algal species.
- Approve final project report.