

Delta Research Awards Seminar Series



Delta
Science
Program

DELTA STEWARDSHIP COUNCIL

Updated in March 2025

The Delta Research Awards Seminar Series

This virtual seminar series features the recipients of our 2020-2021 Delta Research Awards, which totaled over \$10 million in combined funds from the Delta Science Program, U.S. Bureau of Reclamation, and State Water Contractors. To directly connect research findings with managers and decision-makers working on environmental and water issues related to the Sacramento-San Joaquin Delta, researchers will present their findings and discuss how their projects addressed critical biophysical and social science knowledge gaps identified in the 2017-2021 Science Action Agenda. People from all backgrounds interested in Delta science and management are encouraged to participate.

Funding research is a core part of the Delta Science Program's mission to provide the best possible information for decision-making in the Delta.



Recordings of completed webinars are linked in the "Completed Seminars" section.

Registration is now open! The final seminar is free to attend and will be held via [Zoom](#) on May 7, 2025, from 9:00 AM to 12:00 PM PDT.

(us06web.zoom.us/webinar/register/WN_kMK8j8k9RSmGGHITszVzbA)

The schedule is subject to change.



Mark Your Calendar



Wednesday, May 7, 2025, 9:00 AM-12:00 PM PDT

Migratory Fishes: Science Tools to Inform Management and Recovery

Standard Operating Procedure for Diagnosing and Addressing Predator Detections in Salmon Telemetry Data

Rebecca Buchanan, University of Washington

Estimating Juvenile Production and Run Timing of Spring Chinook Salmon Leaving the Delta

Russell Perry, U.S. Geological Survey Western Fisheries Research Center

Reorienting to Recovery: Developing an Inclusive, Landscape Scale Process for Central Valley Salmonids, Prioritizing Action and Investments to Achieve Recovery and Minimize Community and Economic Impact

Rene Henery, Trout Unlimited

Completed Seminars (Watch the Recordings!)



Social and Historical Perspectives I [Recording](#)

Assessing Sea Level Rise and Flooding Changes in the Sacramento/San Joaquin Delta Using Historical Water-Level Records

Stefan Talke, Cal-Poly, San Luis Obispo

Suisun Landscapes: Science to Understand Historical Changes and Plan a Resilient Future that Reflects Community Priorities

Lydia Vaughn, San Francisco Estuary Institute

Additional presenter: Sean Baumgarten



Migratory fishes: Science Tools to Inform Management and Recovery | [Recording](#)

The Effects of Climate Change on the Life History of Spring-run Chinook Salmon through Time

Malte Willmes, UC Santa Cruz

Additional presenter: Flora Cordoleani

Regulation of Controls of Cold Water through the Temperature Control Device of the Shasta Dam as a Means of Supporting Downstream Fish Populations

Alexander Forrest, UC Davis



Multi-benefit Wetland Habitat and Delta Food Webs | [Recording](#)

Towards Quantifying the Effects of Climate Change and Sea Level Rise on Carbon Accretion of Tidal and Non-Tidal Wetlands Exposed to a Range of Salinity along the San Francisco Bay Estuary and Delta

Dennis Baldocchi, UC Berkeley

How Delta Food Webs have Changed: Integrating Detrital Material into the Delta Food Web Puzzle

Peter Hernes, University of California, Davis

Additional presenter: Brian Bergamaschi, U.S. Geological Survey



Collective Action & Co-Production Recipients of Funding for Integrated Socio-Ecological Systems | [Recording](#)

Integrating Social and Ecological Research to Control Invasive Species: Fostering Collective Action Among Private and Public Stakeholders

John Takekawa, Suisun Resource Conservation District



Harmful Algal Bloom (HAB) Drivers, Trends, and Impacts | [Recording](#)

HABs and Cyanotoxins in the Delta: Occurrence, Distribution, Trends and Environmental Drivers

Tamara Kraus, U.S. Geological Survey

Additional presenter: Keith Bouma-Gregson

Addressing CyanoHABs as a Threat to Water and Air Quality in the San Francisco Bay-Delta, CA

Hans Paerl, University of North Carolina at Chapel Hill

Additional presenters: Ryan Paerl and Haley Plaas



Migratory Fishes: Science Tools to Inform Management and Recovery | [Recording](#)

Comparing the Impact of Predation on the Outmigration Mortality of all Central Valley Salmon Ecotypes Relative to Other Habitat Related Covariates

Mark Henderson, University of Vermont

Additional presenter: Jordan Massie

Open-Source Resources for the Sacramento-San Joaquin Delta

Telemetry Research (Directed Action, not a 20/21 Research Awards project)

Jasmine Williamshen, Cramer Fish Sciences



Multi-Benefit Wetland Habitat and Delta Food Webs | [Recording](#)

From Microbes to Zooplankton, What Defines a Beneficial Wetland?

Michelle Jungbluth, San Francisco State University

Non-Invasive Environmental DNA Monitoring to Support Tidal Wetland Restoration

Raman Nagarajan, UC Davis

Additional presenters: Leigh Sanders and Andrea Schreier