

# Delta Research Awards Seminar Series



Delta  
Science  
Program

DELTA STEWARDSHIP COUNCIL

**Updated in June 2024**

## The Delta Research Awards Seminar Series

Held virtually, this seminar series features the recipients of our 2020-2021 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**, scientists will present seminars about how their projects addressed critical biophysical and social science knowledge gaps identified in the 2017-2021 Science Action Agenda.

**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 "Mark Your Calendar" section.

**Seminars are free to attend and will be held weekly from 10:30 AM – 12:00 PM PDT through July via [Zoom](#).**

(<https://us06web.zoom.us/j/82575064643>).

*The schedule is subject to change.*

*Check our [research funding and fellowships web page](#) ([rebrand.ly/rfaf](https://rebrand.ly/rfaf)) for the latest information.*





## Mark Your Calendar



Wednesday, July 10, 2024: Migratory Fishes: Science Tools to Inform Management and Recovery

### **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

**NEW! 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



Wednesday, July 17, 2024: Multi-Benefit Wetland Habitat and Delta Food Webs

### **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



**To be rescheduled for spring 2025:** Migratory Fishes: Science Tools to Inform Management and Recovery

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

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

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

Rebecca Buchanan, University of Washington

**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

Additional presenters: Gary Bobker, Natalie Stauffer-Olsen, Erin Cain, Rafael Silberblatt, and Alison Collins

**Completed Seminars (Watch the Recordings!)**



Social and Historical Perspectives | [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