



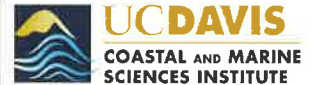
Photo by Zeke Lunder, Deer Creek Resources

California Salmon and Climate Variability Symposium

UC Davis Student Community Center • September 10, 2015 • 9 am – 5 pm

POSTERS

- P-1 Beyond biomass: Valuing genetic diversity in natural resource management **Amanda Faig**, UC Davis (co-authors: Mike Springborn, Marissa Baskett, Allison Dedrick)
- P-2 Quantifying the interactions between management practices and the portfolio effect in salmon **Allison Dedrick**, UC Davis (co-authors: Marissa Baskett, Amanda Faig, Michael Springborn)
- P-3 Quantifying the stabilizing effects of population diversity with the portfolio effect **Lauren Yamane**, UC Davis (co-authors: Louis W. Botsford, D. Patrick Kilduff)
- P-4 Phenotype variability of Chinook salmon on the Feather River spawning grounds: using otolith strontium isotope ratios to determine run-timing and natal origins **James Hobbs**, UC Davis (co-authors: Malte Wilmes, Jason Kindropp, Ryon Kurth)
- P-5 Abiotic habitat thresholds for salmonid over-summer survival in intermittent streams **Cleo Woelfle-Erskine**, UC Berkeley (co-authors: Laurel G. Larsen, Stephanie M. Carlson)
- P-6 Juvenile Chinook salmon size variation in the Yolo Bypass: our current understanding and implications from over a decade of change **Pascale Goertler**, CA Department of Water Resources (co-authors: Brian Schreier, Ted Sommer)
- P-7 How best to invest in an evolving population? **Jaime Ashander**, UC Davis (co-authors: Lisa Thompson, Marissa Baskett, Jim Sanchirico)
- P-8 When salmon go salty... **Anna Sturrock**, UC Berkeley (co-authors: Rachel Johnson, Peter Weber, Tim Heyne, JD Wikert, Corey Phillis, George Whitman, Stephanie Carlson)
- P-9 The Bay Delta Conservation Plan: climate change approach and implications for Central Valley Salmon **Jonathan Schram**, National Marine Fisheries Service



This one-day symposium explores recent scientific progress toward understanding how variable and changing ocean and hydrologic conditions affect Central Valley salmon and their management.

GOALS

- Communicate recent scientific advances to relevant stakeholders
- Identify how these advances can help inform management
- Stimulate conversations about next steps and arising needs
- Facilitate collaborations among the research, management and stakeholder communities

AGENDA

- 8:30-9:00 **Sign-in**
- 9:00-9:10 **Welcome**
Jim Sanchirico, UC Davis Coastal and Marine Sciences Institute
Cliff Dahm, Delta Stewardship Council, Delta Science Program
- 9:10-9:40 **Keynote**
Steve Lindley, NOAA Southwest Fisheries Science Center
Conserving Chinook salmon at the southern end of their range: challenges and opportunities
- 9:40-10:40 **Panel 1: Ocean Productivity** (Moderator- Louis Botsford)
Emanuel Di Lorenzo, Georgia Institute of Technology
Changing character of North Pacific decadal variability and impacts on salmon
Nathan Mantua, NOAA Southwest Fisheries Science Center
A regional-scale view of climate impacts on California's salmon habitats
William Sydeman, Farallon Institute
Krill of the California Current: relevance to salmon in the greater Gulf of the Farallones region
- 10:40-11:00 Break
- 11:00-12:00 **Panel 2: Freshwater Influences** (Moderator- Stephanie Carlson)
Peter Moyle, UC Davis
Saving salmon in a changing California
Rachel Johnson, NOAA Southwest Fisheries Science Center, UC Davis Center for Watershed Sciences
Managing for resilient salmon populations in regulated rivers
Sean Hayes, NOAA Southwest Fisheries Science Center
Juvenile Chinook challenges in the Central Valley: baked, boiled or bass turds?
- 12:00-1:00 Lunch (on-site for registrants who pre-paid for lunch)
- 1:10-2:10 **Panel 3: Population Response to Variability and Change** (Moderator- Marissa Baskett)
Stephanie Carlson, UC Berkeley
Population diversity and the portfolio effect
Michelle McClure, NOAA Northwest Fisheries Science Center
Diversity, climate change and recovery of salmonids in the Columbia Basin and beyond
Louis Botsford, UC Davis
Influences of the marine environment, the portfolio effect and cohort resonance on Pacific salmon
- 2:10-2:30 Break
- 2:30-3:45 **Panel 4: Management** (Moderator- Jim Sanchirico)
Maria Rea, NOAA Fisheries West Coast Region
Rene Henery, Trout Unlimited
John McManus, Golden Gate Salmon Association
Charlton Bonham, California Department of Fish and Wildlife
Les Grober, Division of Water Rights, State Water Resources Control Board
Ted Sommer, California Department of Water Resources
- 3:45-4:30 **Panel 5: Science and Management Dialogue** (Moderator- Jim Sanchirico)
- 4:30-5:00 **Poster Session**

Many thanks to the symposium planning committee: Marissa Baskett (UC Davis), Louis Botsford (UC Davis), Marina Brand/ Sam Harader (Delta Science Program), Stephanie Carlson (UC Berkeley), Michael Harty (Kearns & West), Steve Lindley/ Nathan Mantua (NOAA SWFSC), Jay Lund (UC Davis), Shauna Oh (UC Davis), Maria Rea/ Charlotte Ambrose (NOAA Fisheries West Coast Region), Jim Sanchirico (UC Davis), Kevin Shaffer (CA Department of Fish and Wildlife), and Michael Weber (Resources Legacy Fund).