# Presentations

## Welcome and Overview

Jim Harvey, MLML  
Dave Feliz, ESNERR  
Kerstin Wasson, ESNERR

## Salt Marsh Restoration Science: A Profile of Hester Marsh

- Monique Fountain, ESNERR  
  *Science based tidal wetland restoration in Elkhorn Slough / Do fish like restored wetlands?*
- Charlie Endris, MLML  
  *Unmanned aerial systems as a tool for wetland restoration: Planning, monitoring, and decision-making*
- Alexandra Thomesen, CSUMB  
  *Understanding patterns of plant colonization at Hester Marsh*
- Karen Tanner, UCSC  
  *Testing clustered plantings to inform salt marsh restoration*

## Oyster Restoration Science

- Kerstin Wasson, ESNERR  
  *Olympia oyster restoration aquaculture in a recruitment-limited estuary*
- April Ridlon, ESNERR  
  *The Native Olympia Oyster Collaborative*

## Archaeology and Historical Ecology: Understanding the Past

- Alec Apodaca, UC Berkeley  
  *An eco-archaeological study of Elkhorn Slough*
- Andrea Woolfolk, ESNERR  
  *Who are you calling sluggish? Elkhorn Slough before 1909*

## Water Quality and Biogeochemistry: Tracking a Eutrophic Estuary

- John Haskins, ESNERR  
  *So how is the water doing? Interactive water quality report card*
- Margaret Zimmer, UCSC  
  *Spatiotemporal nitrate concentration dynamics in a salt marsh system*
- Lena Champlin, Drexel University  
  *Diel and seasonal cycles of coastal acidification and carbonate chemistry at Elkhorn Slough*
- Jessica Williamson, CCWG  
  *Moro Cojo watershed wetland restoration and nutrient reduction*

## Salt Marsh Dynamics

- Kathryn Beheshti, UCSC  
  *The effect of an ecosystem engineer on Elkhorn Slough salt marshes*
- Susanne Fork, ESNERR  
  *Successful establishment of a marine pulmonate snail far poleward of its previously documented range*

## Otters and the Estuary

- Karl Mayer, Monterey Bay Aquarium  
  *Surrogate-rearing a keystone species for population and ecosystem resoration*
- Rikke Jeppesen, ESNERR  
  *Recovering population of the southern sea otter coincides with declining population of invasive green crabs*

## Science Education: Training the Next Generation

- Virginia Guhin, UCSC  
  *The power of a K-12 education and research science partnership*

## Perspectives on 40 Years of Conservation and Science

- Mark Silverstein, ESF

## Posters

### The "Just Slough It" Eelgrass and Marsh Science Crew

- Annakate Clemons, UCSC  
  *Sea otter foraging in proximity to seagrass restoration sites*
- Jezebel Powers, UCSC  
  *Public outreach science program catapults the production of a virtual miniseries featuring Slough animals*
- Mason Emery, CSU Fullerton  
  *Native crab predation may be contributing to declining invasive snail population*
- Hannah Levy, Just Slough It  
  *Setting the record straight: Testing whether P. crassipes burrows in a lab setting*
- Natalie Rossi, UCSC  
  *Tracking crab colonization into the Hester Marsh Restoration site*
- Kathryn Beheshti Nash, UCSC  
  *Ecosystem multifunctionality enhanced with seagrass restoration success*

### Water Quality Investigations

- Emilio Grande, UCSC  
  *Coupled high-frequency sensor network and environmental tracers to quantify subsurface nitrate transport*
- Andria Greene, UCSC  
  *Quantification of salt marsh denitrification along a tidal inundation gradient*
- Katie Graves, MLML  
  *Anaerobic fermentation of the macroalgae to produce biohydrogen and mitigate coastal eutrophication*
- Samantha Champ, Monterey Bay REU  
  *Testing for water and sediment contamination for select persistent organic pollutants*
- Jacque Chisholm, MLML  
  *Quantifying discharge of nutrient-containing groundwater into Moro Cojo Slough*