

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 Thomsen, 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*

ARCHEOLOGY 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 restoration*

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, ESNERR *The power of a K-12 education and research science partnership*

PERSPECTIVES ON 40 YEARS OF CONSERVATION AND SCIENCE

Mark Silberstein, 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*