



Posters at the 2015 State of the Estuary Conference are listed below. Posters are listed by topic (clusters first, then individual poster topics). For posters with multiple authors, only the presenting author is listed here. A full list of authors is available in the poster abstracts.

Asterisks (\*) indicate the poster is submitted by a student and eligible for the student poster awards competition.

## Poster Clusters

### Living Shorelines Project

**Invertebrate Responses to Eelgrass and Oyster Restoration in a San Francisco Estuary  
Living Shorelines Project**

Cassie Pinnell\*, SFSU

**Avian Predator and Invertebrate Prey Response to Subtidal Restoration Efforts: Living  
Shorelines Near-shore Linkages Project 2011-2015**

Laura Hollander, USGS

**Invertebrates Isotopic Niche Widths and Trophic Relationships in a San Francisco Bay  
Living Shorelines Project**

Julien Moderan, Romberg Tiburon Center, SFSU

**Effects of Living Shorelines on Substrate, Sedimentation, and Waves: the San Francisco  
Bay Living Shorelines Nearshore Linkages Project**

Damien Kunz, Environmental Science Associates

### Partnerships for a Healthy Coyote Creek

**Community Creek Cleanups**

Deb Kramer, Keep Coyote Creek Beautiful

**Ebb and Flow: Connecting Creek and Curriculum at SJSU**

John Delacruz, SJSU

**Coyote Creek Mural Project**

Paul Gonzalez, City of San Jose

**Beautifying Neighborhoods with Creek-themed Public Art**

Magnolia Morris, City of San Jose

**Project Study on Clean Creeks, Healthy Communities**

Jennifer Seguin, City of San Jose

**The Coyote Creek Howl - A Community Conference**

Chris Di Salvo, SJSU

**Restoration Enhancement work by the Invasive Spartina Project**

**Active Revegetation to Benefit California Ridgway's Rail (*Rallus o. obsoletus*) in San Francisco Bay's Tidal Marshes - Is It Habitat Yet?**

Jeanne Hammond, San Francisco Estuary Invasive Spartina Project

**Creating High-Tide Refuge Islands for the California Ridgway's Rail**

Gavin Archbald, H. T. Harvey & Associates

**San Jose-Santa Clara Regional Wastewater Facility: Treating Wastewater and Enhancing the Bay**

**San Jose-Santa Clara Regional Wastewater Facility: Treating Wastewater & Enhancing the Bay**

James Ervin, San Jose-Santa Clara Regional Wastewater Facility

**Nutrient Removal at the San Jose-Santa Clara Regional Wastewater Facility**

Simret Yigzaw, San Jose-Santa Clara Regional Wastewater Facility

**Nutrients Variation with Tides in Artesian Slough**

Eric Dunlavey, City of San Jose

**Tracking Benthic Communities in Artesian Slough**

Bryan Frueh, City of San Jose

**Tracking Fish Communities in Artesian Slough**

Ryan Mayfield, San Jose-Santa Clara Regional Wastewater Facility

**Ducks at the Regional Wastewater Facility**

James Ervin, San Jose-Santa Clara Regional Wastewater Facility

**Outreach Collaboration: Wastewater Facility and the Wildlife Education Center**  
Emy Mendoza, City of San Jose

## State of the Estuary Report 2015

**Trends in Harbor Seal Numbers Illuminate Changing Conditions within SF Bay Estuary: Comparing 2015 Harbor Seal Counts to the 2000-2010 Benchmark**  
Chris Pincetich, The Oceanic Society

**Feast or Famine: Fish Food in the Upper San Francisco Estuary**  
April Hennessy, DFW

**Increasing Dominance of Floating Aquatic Vegetation in the Sacramento-San Joaquin Delta over the Past Decade**  
Shruti Khanna, UC Davis

## The Key to Effective Decision-making through Science and Communication: A Preview of the State of Bay-Delta Science, 2015

**Updating the State of Bay-Delta Science to Reflect New Findings Learned about the System Since 2008**  
Darcy Austin, Delta Science Program

**Recent Advances in Understanding Flow Dynamics and Transport of Water-quality Constituents in the Sacramento – San Joaquin River Delta**  
David Schoellhamer, USGS

**Water Quality, Contaminants, and Their Effects on Delta Species, Ecosystem Services, and Drinking Water Supply**  
Stephanie Fong, State and Federal Contractors Water Agency

**Delta Smelt: Biology of a Once Abundant Species in the San Francisco Estuary**  
Peter Moyle, UC Davis

**Anadromous Salmonids in the Delta: New Science 2006-2016**  
Russell Perry, USGS

**Predation on Fishes in the Sacramento-San Joaquin Delta: Current Knowledge and Future Directions**  
Gary Grossman, University of Georgia

## The Microcystis Bloom during the 2014 Drought

### **The Impact of the 2014 Severe Drought on Microcystis Blooms in the San Francisco Estuary**

Peggy Lehman, DWR

### **Drought Enhances Abundance and Biodiversity of Cyanobacteria in the Sacramento-San Joaquin Delta**

Tomofumi Kurobe, UC Davis

### **Water Quality Issue during Drought Year in the Sacramento-San Joaquin Delta**

Tomofumi Kurobe, UC Davis

### **Changes in Zooplankton Composition and Abundance during the 2014 Microcystis Bloom**

Sarah Lesmeister, DWR

## The Napa River: Working Together to Build a Resilient Watershed and a Living River

### **Napa River Restoration Projects**

Shaun Home, Napa County

### **Fish Barrier Removal Projects in the Napa River Watershed**

Jeremy Sarrow, Napa County

### **Beavers: Nature's Engineers at Work in the Napa River Watershed**

Leigh Sharp, Napa County

### **Youth at Work in the Watershed: LandSmart Youth Stewards and Youth Ecology Crops**

Frances Knapczyk, Napa County

### **Napa River Sediment TMDL Monitoring Program: Pilot Implementation**

Glen Leverich, Stillwater Sciences

### **Napa County Dry-Weather Storm Drain Outfall Assessment**

Paul Blank, Napa County

# Individual Posters

## Agriculture and Water Quality

### **Leaching Fractions Achieved in South Delta Soils under Alfalfa Culture**

Michelle Leinfelder-Miles, UC Cooperative Extension

### **The AFRI Rice Project: Benefits of Nitrogen Fertilizer Treatment in Rice Planting on the Sacramento-San Joaquin Delta to Encourage Subsidence Prevention, Sustainability of Soil Conditions and Water Management Affects on GHG Emissions**

Roni Gehlke\*, Delta Science Center

### **The AFRI Rice Project: Benefits of Nitrogen Fertilizer Treatment in Rice Planting on the Sacramento-San Joaquin Delta to Encourage Subsidence Prevention, Sustainability of Soil Conditions and Water Management Affects on GHG Emissions Public Education Project**

Roni Gehlke\*, Delta Science Center

## At Risk Species: Fish

### **Thermal Metabolic Performance of Wild Juvenile *Oncorhynchus mykiss* in the Lower Tuolumne River: A Case for Local Adjustment to High River Temperature**

Christine Verhille, UC Davis and FISHBIO

### **Evaluation of the Condition of Wild Delta Smelt (*Hypomesus transpacificus*) Supplemented to the Refuge Population at the Fish Conservation & Culture Laboratory (FCCL)**

Tewdros Ghebremariam, UC Davis

### **When Salmon go Salty...**

Anna Sturrock, UC Berkeley

### **An Investigation into Differences in Early Growth and Life History Strategies of Delta Smelt, *Hypomesus transpacificus***

Eva Bush\*, UC Davis

### **Longfin Smelt Distribution, Abundance and Evidence of Spawning in San Francisco Bay Tributaries**

Christina Parker, UC Davis

### **Using Next-generation Sequencing to Identify Copepod Diets in Delta Smelt Habitat**

Ann Holmes\*, Romberg Tiburon Center, SFSU

### **Quantifying Factors that Influence Salmon Smolt Predation in the San Joaquin River**

Joseph Smith, University of Washington

**Gonadal Fatty Acid Indices of Enzymatic Activity and Ratios in Wild Delta Smelt  
*Hypomesus transpacificus***  
Alejandro Ruiz Ramos, UC Davis

## At Risk: Tidal Marsh Species

**Historical Bioaccumulation of Methyl Mercury in Tidal Wetlands of San Francisco Bay,  
California**  
Steven Schwarzbach, USGS

**Characterizing Functional Genetic Variation in the Salt Marsh Harvest Mouse,  
*Reithrodontomys Raviventris***  
Anastasia G. Ennis\*, Romberg Tiburon Center, SFSU

## Biological Species

**Alameda and Contra Costa County Wildlife-Friendly Livestock Pond Initiative**  
Alyson Aquino, Natural Resources Conservation Service

**Evaluating Tidal Restoration: A Comparison of Restored and Managed Wetlands in the  
Suisun Marsh**  
Melissa Riley, DFW

**The “Blob” Brings Subtropical Visitors to San Francisco Estuary**  
Jennifer Giannetta, DFW

**Community Patterns and Environmental Associations for Fish Dominated Assemblages  
in the Upper San Francisco Estuary**  
Gonzalo Castillo, USFWS

**Fish Rescue, Deterrence, and Lessons Learned at a Former Naval Dry Dock**  
Daniel Chase, WRC, Inc.

## Biological Species: Birds

**Double-crested Cormorant Declines on San Francisco Bay Bridges**  
Meredith Elliott, Point Blue Conservation Science

**Avian Predator Community and Foraging Behavior During Winter Tides in San  
Francisco Bay Saltmarshes**  
Kyle Spragens, USGS

**Controlling Physical and Chemical Characteristics of Habitat Islands in the San  
Francisco Bay Estuary**  
Austin Payne, Ducks Unlimited

**Assessment of Habitat Displacement of Waterbirds in Central San Francisco Bay:  
Lessons from the 34th America's Cup Races**  
Tanya Graham, USGS

**Shorebird Response to Varying Salinity and Water Depth in an Experimental Design in  
Salt Pond Management**  
Lacy Smith, USGS

## Biological Species: Invertebrates

**Surprising Invertebrates Common on the Bottom of Ship Channels of Our California  
Delta**  
Christopher Kitting, CSU East Bay and SF Bay Wildlife Society

**Benthic Response to Water Quality and Biotic Pressures in Lower South Bay-Alviso-  
Coyote Creek**  
Francis Parchaso, USGS

**Ramshorn Snails: Temperature, Density and Ammonia Effects on Growth and  
Fecundity**  
Troy Stevenson, UC Davis

**Copepods, Fish and Clams Need Omega-3 Fatty Acids Too: Application of a  
Phytoplankton Food Quality Index**  
Tara Schraga, USGS

## Clean Vessel Act

**Clean Vessel Act Program - SFEP's Comprehensive Approach to Curb Sewage Discharge**  
James Muller, SFEP

## Climate Change

**San Francisco Bay Advanced Quantitative Precipitation Information (AQPI) System**  
Carl Morrison, Morrison & Associates, Inc.

**Hot off the Press! San Francisco Bay Responds to Record High Temperatures**  
Charles Martin, USGS

**Integrating Fluvial and Oceanic Drivers in Operational Flooding Forecasts for San  
Francisco Bay**  
Liv Herdman, USGS

## Climate Change: Habitat Restoration

### **Resilient Design for New Coastal Shoreline Park**

George Salvaggio, WRA, Inc.

### **Movin' On Up: How Uplands Can Save Wetlands and Restore San Francisco Bay Tidal Marshes**

Megan Elrod, Point Blue Conservation Science

### **Bringing Climate-Smart Conservation to the San Francisco Bay Estuary: California Landscape Conservation Cooperative**

Andrea Graffis, California Lands Conservation Cooperative

### **Toward an Integrated Vision for a Resilient Urban Estuary: SFEI's Shore Resilience Initiative**

Ruth Askevold, San Francisco Estuary Institute

### **Tidal Marsh Vulnerability to Climate Change in the San Francisco Bay Estuary**

Christopher Janousek, Oregon State University

### **Greenhouse Gas Emissions and Carbon Sequestration Potential in Restored Wetlands in the Sacramento San-Joaquin Delta, California**

Sara Knox\*, UC Berkeley

### ***Grindelia stricta* Seed Germination Responses to Salinity**

Isabel Schroeter\*, UC Berkeley

### **A Tale of Two Marshes: 15 Years of Vegetation Change at China Camp and Muzzi Marsh**

Dylan Chapple\*, UC Berkeley

## Community Outreach

### **Environmental Education for Public Outreach**

Kathryn Kynett, Sacramento-San Joaquin Delta Conservancy

### **Living Arroyos Program: Forging New Community Partnerships**

Tami Church, Zone 7 Water Agency

### **Citizen Science at the Don Edwards San Francisco Bay National Wildlife Refuge**

Julie Kahrnoff, SF Bay Wildlife Society

### **Learning by Doing Science: Oakland High School Students Help in Salt Marsh Restoration Research at Lake Merritt**

Lubab Alkhayyat, Oakland High School

**Adopt a Drain - Oakland Volunteers Prevent Flooding and Improve Water Quality by Keeping Storm Drains Clean and Clear**

Mike Perlmutter, City of Oakland

## Data/Tools: Mapping

**Creek and Watershed Interactive Map of Western Alameda County**

Janet Sowers, Fugro Consultants

**Mapping Dynamic Estuarine Intertidal Features using WorldView-3 and Unmanned Aerial Surveillance**

Brian Fulfrost, SFSU

**Use of GIS and GPS Technology in the Invasive Spartina Project's Revegetation Program**

Jeffrey Lewis, Olofson Environmental, Inc.

**Mapping Occurrences of California Ridgway's Rails**

Jen McBroom, Olofson Environmental, Inc.

**Enhancing Regional Capacity for Habitat Project Tracking, Assessment and Reporting**

Kristal Davis Fadtke, Sacramento-San Joaquin Delta Conservancy

**Invasive Spartina Mapping and Monitoring Methods**

Ingrid Hogle, San Francisco Estuary Invasive Spartina Project

## Data/Tools: Monitoring the Bay

**The NOAA Sentinel Site Cooperative: Partnering to Meet the Challenges of Sea Level Rise in the Bay Area**

Maya Hayden, California Sea Grant

**Watershed Based Ecosystem Condition Profiles in Santa Clara County**

Sarah Lowe, San Francisco Estuary Institute

**Innovative Visualization Tool for Water Quality Data**

Cristina Grosso, San Francisco Estuary Institute

**Remote and In Situ Observing -- San Francisco Bay Ecosystem (RIO-SFE) 2: Model Validation with In Situ and Satellite Data**

Yi Chao, Remote Sensing Solutions, Inc.

**Remote and In Situ Observing -- San Francisco Bay Ecosystem (RIO-SFE) 1: Remote Sensing and In Situ Data**

Curtiss Davis, Oregon State University

**Automated Tool for Generating Recurrent Storm Events of Different Durations from Raw Precipitation Data**

Thomas Burke, Hydrologic Systems

## Data/Tools: Network

**The Climate Commons: Making Climate Science Accessible for Conservation Planning**

Deanne DiPietro, California Landscape Conservation Cooperative

**Delta Watershed Initiative Network**

Shakoor Azimi-Gaylon, Sacramento-San Joaquin Delta Conservancy

**Estuary-wide Data Repository**

Shakoor Azimi-Gaylon, Sacramento-San Joaquin Delta Conservancy

**WARMF-Online: Data and Model-based Forecast Visualization for Real-time Management of Salinity in the San Joaquin Basin**

Nigel Quinn, Berkeley National Laboratory and USBR

**California Estuary Monitoring Workgroup – Using Web Portals to Improve Scientific Understanding**

Stephanie Fong, State and Federal Contractors Water Agency

**Decision Support Tools for Understanding Juvenile Salmon Entrainment and Survival in the South Sacramento/San Joaquin Delta through the Use of Acoustic Telemetry and Hydrodynamic Measurements**

Amye Osti, 34 North

## Environmental Cleanup

**Potential Place of Refuge (PPOR) Sites in the San Francisco Bay Area**

Kathleen Jennings, DFW

**A Novel and Cost-Effective Method to Document Trash Reduction in Stormwater**

Chris Sommers, EOA

## Fish Contamination

**Delta Mercury Exposure Reduction Program (Delta MERP)**

Kathryn Kynett, Delta Conservancy

**Impact of Hypersalinity on Embryonic Development of the Japanese Medaka (*Oryzias latipes*)**

Allison Kupsco\*, UC Riverside

**Immunogenetic Variation in X-cell Tumor Diseased Fish across an Estuarine Gradient of Contaminants**

Calvin Lee\*, SFSU

## Habitat Restoration: Fish

**San Francisco Bay Creosote Piling Removal and Pacific Herring Restoration Project: Pilot Site Selection Using Spatial Models and Regional Datasets for Screening Prior to Completion of Site Specific Investigations**

Marilyn Latta, SCC

**Preliminary Two-Year Comparison of Effectiveness Monitoring for the Bobcat Flat Rehabilitation Project, Tuolumne River, CA**

Kes Benn, USFWS

## Habitat Restoration: Salt Ponds

**Lessons Learned from Restoring Solar Evaporation Ponds in the San Francisco Estuary**

James Hobbs, UC Davis

**No Rain Much Pain: Challenges and Lessons Learned in Transition Zone Restoration during a Drought**

Nissa Kreidler, Save the Bay

## Habitat Restoration: Seagrass

**Morphological Plasticity of a Native SAV Species in the San Francisco Estuary**

Melissa Patten\*, Romberg Tiburon Center, SFSU

**San Francisco Bay Living Shorelines Project: Progress in restoring *Zostera marina* in San Rafael Bay**

Jennifer Miller, SFSU

## Habitat Restoration: Tidal Marsh

**Pickleweed Restoration in a Muted Tidal Marsh: Peyton Slough Remediation Project**

Katherine Dudley, AECOM

**Experimental Propagation Methods for the Oro Loma Horizontal Levee Demonstration Project**

Jessie Olson, Save the Bay

**More than One Way to Catch a Bug – Macroinvertebrate Sampling Methods for Monitoring of Tidal Wetland Restoration Sites**

Rosemary Hartman, DFW

**Sonoma Baylands Wetlands Demonstration Project: Findings from 19 Years of Physical and Biological Monitoring**

Lindsey Sheehan, Environmental Science Associates

**Tidal Salt Marsh Vegetation Establishment at the Sonoma Baylands Wetland Demonstration Project: 18 Years of Post-Construction Monitoring**

Gavin Archbald, H. T. Harvey & Associates

## Habitat Restoration: Tools to Restore

**Remote Sensing of Canopy Leaf Area Index and Decadal Changes in Wetland Greenness in the Delta and Suisun Marsh**

Iryna Dronova, UC Berkeley

**Direct Seeding for Habitat Restoration Projects**

Dina Robertson, AECOM

## Habitat Restoration: Wetland and Riparian

**Back to the Future: Tule Marsh Restoration at Shin Kee for the Giant Garter Snake (*Thamnophis gigis*)**

Emily Mathews, Zentner and Zentner

**Riparian Understory Restoration of White Root (*Carex barbarae*) and Creeping Wild Rye (*Elymus triticoides*) in Post-Burn Areas at Bushy Lake, Sacramento, CA USA**

Mary Xiong\*, CSU Sacramento

**Monitoring Post-fire Resiliency in a Depressional Wetland using California Rapid Assessment Methodology (CRAM), Intensive Vegetation, and Avian Species Richness to Establish Long-term Monitoring using Citizen Science**

Kayla Henry\*, CSU Sacramento

## Invasive Species

**Species Composition and Contribution of Marine Invasive Species to Fouling Communities of San Francisco Bay**

Lina Ceballos-Osuna, Smithsonian Environmental Research Center

**Predation of Juvenile Salmon in the Tuolumne River**

Jason Guignard, FISHBIO

**Mapping the Marsh with Unmanned Aerial Systems**

Jared Lewis, Solano Land Trust and SF NERR

**Identifying Emerging Invasive Plants for Early Eradication on the San Mateo County Coast**

Elizabeth Brusati, California Invasive Plant Council

**Mapping and Prioritizing the Invasive Plant *Arundo donax* for Eradication in the Legal Delta**

Bryan Sesser, Sonoma Ecology Center

**The USDA-ARS Areawide Pest Management Project for Integrated Management of Water Hyacinth, Brazilian Waterweed, *Arundo* and Associated Pests in the Sacramento-San Joaquin Delta**

Patrick Moran, USDA-ARS

**Invasion Trends in San Francisco Estuary Sessile Invertebrate Communities over Fifteen Years (2000 to 2014)**

Andrew Chang, Smithsonian Environmental Research Center

## Nutrient Removal

**Treatment Plant Nutrient Removal Utilizing a Freshwater Marsh**

Chase Campbell, The City of Palo Alto Watershed Protection Group

**Opportunities to Increase Bayshore Resiliency and Reduce Infrastructure Vulnerability by Re-plumbing the East Bay**

Carolyn Doehring, San Francisco Estuary Institute

**The Horizontal Levee: Combining Nutrient Removal from Wastewater With Flood Control and Habitat Restoration**

Aidan Cecchetti\*, UC Berkeley

## Nutrients

**Monitoring Water Quality in the San Francisco Bay-Delta Using High-resolution Remote Sensing**

Cedric Fichot, Jet Propulsion Laboratory, CIT

**Nutrients Affecting the Water Quality in State Water Project Supplies**

Marcia Scavone-Tansey, DWR

**Characterization of and Potential Mechanisms for Low Dissolved Oxygen in the Sloughs of San Francisco Bay**

Emily Novick, San Francisco Estuary Institute

**Fixed-Station Measurements and Synoptic Spatial Characterization Provide Insights into Organic-Matter, Nutrient, and Algal-Pigment Dynamics in the San Francisco Bay-Delta**

Elizabeth Stumpner, USGS

## Primary Productivity

### **Do Drought Conditions Increase Nutrients and Productivity in the Northern San Francisco Estuary?**

Frances Wilkerson, Romberg Tiburon Center, SFSU

### **The Influence of Irradiance and Nutrients on the Growth of Two Diatoms Isolated from Northern San Francisco Bay**

Mine Berg, Applied Marine Sciences

### **Temporal Trends of Benthic and Pelagic Primary Production in Historical Marshes**

Tricia Lee\*, Romberg Tiburon Center, SFSU

### **The Response of Bay Delta Phytoplankton Communities to Wastewater Ammonium Inputs and Changes in Irradiance**

Matt Mills, Stanford University

## Recycled Water

### **Emulating Volcanism to Create a New Class of Recycled Water**

Terry Gong, HIS and ERT

## Regional Monitoring Program for Water Quality in San Francisco Bay

### **Effects of California's Drought on San Francisco Bay Specific Conductance and Temperature**

Maureen Downing-Kunz, USGS

### **Evaluation of Mercury and PCB Trends in San Francisco Bay Region Stormwater**

Donald Yee, San Francisco Estuary Institute

### **Fipronil Water Pollution and Its Sources**

Kelly Moran, TDC Environmental, LLC

### **Microplastic Contamination in San Francisco Bay**

Shavonne Stanek\*, San Francisco Estuary Institute

### **Poly- and Perfluoroalkyl Substances in Wastewater Effluent Discharged to SF Bay**

Erika Houtz, DTSC

### **Biogeochemical Effects of Shifts in Ammonia-Oxidizing Microbial Community Structure and Gene Expression in the Waters of Suisun Bay and the Sacramento River**

Julian Damashek\*, Stanford University

## Reservoir Monitoring

### **Impact of Small Urban Reservoirs on Water Quality in East Bay Watersheds**

Laura Rademacher, University of the Pacific

### **Sediment Core Derived History of Metal Cycling through Small Urban Reservoirs in the San Francisco East Bay Area**

Kristina Faul, Millis College

## Runoff Infrastructure

### **Watershed Planning for Green Infrastructure Implementation through the GreenPlan-IT Toolkit**

Lester McKee, San Francisco Estuary Institute

### **Rain Gardens in Richmond: A Low-cost, Community Driven Solution for Stormwater Filtration**

Martha Berthelsen, The Watershed Project

### **Performance of a Bioswale on Urban Runoff Management**

Qingfu Xiao, UC Davis

## Sediment Transport

### **Sediment: Checks and Balances**

Heather Perry, BCDC

### **Observations and Modeling of Dumbarton Mudflat Evolution at Decadal Time Scales**

Bruce Jaffe, USGS

### **Sediment Source Analysis to Inform Sediment Management Actions for Wildcat Creek, California**

Anthony Falzone, NewFields

### **High-resolution Field Measurements of Cohesive Sediment Characteristics and Dynamics in Northern San Francisco Bay**

Ivy Hunag\*, Stanford University

### **Implementing Fine Sediment TMDLs on Private Lands with the Voluntary, Incentive-based Fish Friendly Farming Environmental Certification Program**

Laurel Marcus, Ca. Land Stewardship Inst.

## Watershed Management

**Water Supply and Instream Habitat Improvements in Suisun Creek**

Laurel Marcus, Ca. Land Stewardship Inst.

**Upper Napa River Water Quality Improvement and Habitat Enhancement Program**

Laurel Marcus, Ca. Land Stewardship Inst.

**Central Valley Flood System Conservation Strategy - Planning Tools, Key Datasets, and Measurable Objectives**

Ron Melcer Jr., DWR

**RipZET: A GIS-Based Decision Support Tool for Estimating Riparian Zones at the Watershed and/or Project Scale**

Scott Dusterhoff, San Francisco Estuary Institute

**Using Multiple Indicators and Assessment Methods to Develop an Ecological Baseline**

Tami Church, Zone 7 Water Agency