Posters at the 2013 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

Napa River Watershed Restoration

Napa River Watershed Sediment TMDL Implementation and Habitat Enhancement
Shaun Horne, Napa County Flood Control and Water Conservation District

Napa River Flood Protection Project: Rare Plant and Project Habitat Monitoring
Jeremy Sarrow, Napa County Flood Control and Water Conservation District

Napa River Oakville to Oak Knoll Restoration Project
Shaun Horne, Napa County Flood Control and Water Conservation District

Napa River Rutherford Reach Restoration Project
Gretchen Hayes, Napa River Rutherford Reach Restoration Project

Swainson's Hawk (*Buteo swainsoni*) Expands its Breeding Territory in the Napa Valley
Kevin Fisher, Horizon Water and Environment

Zinfandel Lane Bridge Fish Habitat Improvement Project
Jeremy Sarrow, Napa County Flood Control and Water Conservation District

Napa River Steelhead and Salmon Monitoring Program: Collecting Fish Population Data for a Vital Bay Area Watershed
Jonathan T. Koehler, Napa County Resource Conservation District

Napa River Sediment TMDL Implementation Tracking and Accounting System
Jeff Sharp, Napa County

Assessment Results and Treatment Recommendations of Road-Related Sediment Sources in the Napa River Watershed
William Birmingham, Napa County Resource Conservation District

Fish Friendly Farming Environmental Certification Program: A Partnership of Agriculture and the Environment
Laurel Marcus, California Land Stewardship Institute

San Jose/Santa Clara Regional Wastewater Facility: 57 Years of Data Collection

57 Years of Reduction in San Jose/Santa Clara Regional Wastewater Facility BOD and Nutrient Loads
Simret Yigzaw, San Jose/Santa Clara Regional Wastewater Facility

40 Years of Reduction in San Jose/Santa Clara Regional Wastewater Facility Toxic Pollutant Loads
Eric Dunlavey, San Jose/Santa Clara Regional Wastewater Facility

50 Years of Improving Water Quality in Lower South Bay
Eric Dunlavey, San Jose/Santa Clara Regional Wastewater Facility

Managing Nutrients at Northern California's Only Large Biological Nutrient Removal Facility
Issayas Lemma, San Jose/Santa Clara Regional Wastewater Facility

23 Years of Marsh Growth Downstream of the San Jose/Santa Clara Regional Wastewater Facility
Ryan Mayfield, San Jose/Santa Clara Regional Wastewater Facility

SFEP Watershed Program Small Grants Projects

Solano Land Trust's Phenology Project
Paige Cauffield, Solano Land Trust

That's the Tuolumne in My Tap
Peter Drekmeier, Tuolumne River Trust

Restoring Rheem Creek at Wanlass Park
Martha Berthelsen, The Watershed Project

A Public Rain Garden Showers Benefits on Napa
Frances Knapczyk, Napa County Resource Conservation District

Supporting Volunteer-Led Efforts at Sausal Creek Watershed Restoration Sites
Kimra McAfee, Friends of Sausal Creek

Increasing Community-based Watershed Stewardship in the Gallinas Creek Watershed and Facilitating Collaboration among Marin County Watershed Groups
Carla Koop, Gallinas Watershed Council

Permanente Watershed Tour
Kit Gordon, GreenTown Los Altos

South Bay Salt Pond Restoration Project: 10 Years of Science

South Bay Salt Pond Restoration Project: Adaptive Management in Action
Laura Valoppi, U.S. Geological Survey

Developing Indicators of Health for a Sentinel Species (*Gillichthys mirabilis*) for Salt Marsh Restoration
Micah Bisson*, University of California, Davis

Sediment Dynamics in Restored Salt Ponds in San Francisco Bay
John Callaway, University of San Francisco

San Francisco Bay Transition Zone Habitat (TZH) Conservation and Management Decision Support System
Brian Fulfrost, Brian Fulfrost and Associates

Changes to Bathymetry as Alviso Restoration Progresses: 2010 – 2013
Amy Foxgrover, U.S. Geological Survey

Seasonal Variability of Fish and Invertebrate Assemblages in the Alviso Marsh Complex
James Hobbs, University of California, Davis

Factors Influencing Breeding Waterbird Use of Islands in San Francisco Bay
Alex Hartman, U.S. Geological Survey, Western Ecological Research Center

The Effect of Salt Pond Restoration and Management on the Feeding Ecology of the Leopard Shark (*Triakis semifasciata*): The Top Predator in the South San Francisco Bay Estuary
Pedro Marinho*, University of California, Davis

Mercury in Motion: Quantifying Mercury Flux in Alviso Slough
Mark Marvin-DiPasquale, U.S. Geological Survey

Mercury in Motion: Using Bathymetric Surveys to Estimate Mercury Mobilization from Scour of Alviso Slough
Theresa A. Fregoso, U.S. Geological Survey

INDIVIDUAL POSTERS

Birds

Alameda Creek Riparian Bird Community Occupancy Analyses
David Riensche, East Bay Regional Park District

Projected Impacts of Climate, Urbanization, and Water Management Scenarios on Ecology and Habitats of Waterfowl and Other Waterbirds in the Central Valley of California
Elliott Matchett, U.S. Geological Survey

Estimating a Baseline Condition for Landbirds Within the Sacramento-San Joaquin Delta
Ron Melcer Jr., CA Department of Water Resources, FESSRO (FloodSAFE Environmental Stewardship and Statewide Resources Office)

Effects of Heron and Egret Colony-site Disturbance on Subregional Nesting Abundance
Sarah A. Millus, Audubon Canyon Ranch

Tidal Marsh Revegetation by Design: Rapid Habitat Enhancement to Benefit California Clapper Rail (*Rallus longirostris obsoletus*): Two Examples from Eden Landing Ecological Reserve
Jeanne Hammond, ISP Restoration Program, Olofson Environmental, Inc.

Tidal Marsh Restoration Program in Support of California Clapper Rail in the San Francisco Estuary
Katy Zaremba, ISP Restoration Program, Olofson Environment Inc.

Breeding Status and Diet Trends of Two California Least Tern Colonies in the San Francisco Bay
Meredith Elliott, Point Blue Conservation Science

Control of Invasive Exotic Mayweed Chamomile and its Effect on Nesting California Least Terns
David Riensche, East Bay Regional Park District

South Bay Salt Ponds Restoration Project Design Revisions, Informed by Science, Implemented in Design and Construction: Ponds E12-E13 Islands and Foraging/Roosting Mounds
John Krause, California Department of Fish and Wildlife

Controlling Physical and Chemical Characteristics Of Habitat Islands in the San Francisco Bay Estuary
Austin Payne, P.E., Ducks Unlimited

Climate Change

Flood Control 2.0: Rebuilding Habitat and Shoreline Resilience through a New Generation of Flood Control Channel Design and Management
Adrien Baudrimont, San Francisco Estuary Partnership

A New Geologic Model for Assessing Liquefaction and Related Levee Failure in the Sacramento-San Joaquin Delta
Emma Gatti, University of California, Davis

Environmental Science Academy Trains Environmental Professionals of the Future
Katharine Noonan, Oakland High School

Climate Change Effects on Cyanobacteria Blooms (*Microcystis aeruginosa*) in the San Francisco Estuary Delta: Evidence from Experimental Manipulations
Allison Johnson*, San Francisco State University, Romberg Tiburon Center

Climate Change: Shoreline Adaptations

Keeping Our Heads above Water: Sea Level Rise Adaptation at the Corte Madera Baylands
Wendy Goodfriend, San Francisco Bay Conservation and Development Commission

From Local to Global: Sea Level Rise, Tidal Wetlands, and the San Francisco Bay National Estuarine Research Reserve
Matt Ferner, San Francisco Bay National Estuarine Research Reserve

The Adapting to Rising Tides (ART): Collaborative Sea Level Rise Adaptation Planning on the San Francisco Bay Shoreline
Lindy Lowe, San Francisco Bay Conservation and Development Commission

Climate Change: Sediment

Regional Sediment Management (RSM) in San Francisco Bay
Brenda Goeden, San Francisco Bay Conservation and Development Commission

The Dirt on the Delta
Emily Mortazavi, Delta Stewardship Council, Delta Science Program

Spatial and Temporal Variation of Suspended Sediment Concentrations in a San Francisco Estuary Tidal Marsh: Implications for Tidal Marsh Stability in the Face of Accelerated Sea-Level Rise
Jennifer Gagnon*, University of San Francisco

Climate Change: Water Supply

IRWM Solutions for Addressing the Diverse Impacts of Climate Change on Bay Area Water Supplies
Erin Chappell, California Department of Water Resources

Climate Change Effects on Bay Delta Unimpaired Flows
Matthew Correa, California State University, Sacramento

Balancing the Sacramento-San Joaquin Delta's Coequal Goals in a Climate of Change
Katie Morrice, Delta Stewardship Council, Delta Science Program

Climate Change: Greenhouse Gas Flux

The Role of Hydrodynamic Transport in Greenhouse Gas Fluxes from a Restored Delta Marsh
Cristina Poindexter*, University of California, Berkeley

Maximizing the Climate Change Mitigation Potential of Carbon Farming: Controls on Methane Fluxes in Wetlands of the Sacramento-San Joaquin Delta
Gavin McNicol*, University of California, Berkeley

Greenhouse Gas Emissions from Agricultural and Restored Delta Peatlands
Sara Knox*, University of California, Berkeley

Microbial Community Composition and Greenhouse Gas Flux in Wetlands of the Sacramento San Joaquin River Delta
Susanna Theroux, U.S. Department of Energy Joint Genome Institute

Fish: Chinook Salmon

Fall Run Chinook (*Oncorhynchus tshawytscha*) Salmon Upstream Migration in California's Central Valley
H. Steve Taso, California Department of Fish and Wildlife

Tracking Migration and Survival of Juvenile Winter Run Chinook Salmon in the Sacramento River and Delta
Jason Hassrick, NOAA Southwest Fisheries Science Center, Fisheries Ecology Division

Modeling Variability in Central Valley Chinook Populations Using Linked Statistical Life-Cycle Models
Curry Cunningham*, School of Fisheries and Aquatic Sciences, University of Washington

The Effects of Flow on Size of Outmigrating Chinook Salmon Smolts in the San Joaquin River
Gretchen Murphey, California Department of Fish and Wildlife

Fish: Delta Smelt

Investigating Food Limitation of Planktivorous Fish in the San Francisco Estuary: The Functional Response of Delta Smelt
Lindsay Sullivan, Romberg Tiburon Center, San Francisco State University

Vertical Response of Larval Delta Smelt to Various Environmental Cues
Lindsay Sullivan, Romberg Tiburon Center, San Francisco State University

Linking Organismal Tolerances & Transcriptomic Responses to Climate Change Stressors in an Endangered Fish Endemic to the San Francisco Bay-Delta
Lisa Komoroske*, University of California, Davis

An Updated Conceptual Model for Delta Smelt: Our Evolving Understanding of an Estuarine Fish
Larry Brown, U.S. Geological Survey

Evaluation of Natural Marks to Identify Individual Cultured Adult Delta Smelt
Gonzalo Castillo, U.S. Fish and Wildlife Service

Quantify Effects of Temperature on Delta Smelt Behavior
Tien-Chieh Hung, University of California, Davis

Fish: Habitat Restoration

An Update on the Importance of Tidal Marshes to Native Fishes of the San Francisco Estuary
Larry Brown, U.S. Geological Survey

Three Dimensional Modeling of Suspended Sediment and Turbidity Dynamics at a Tidal Marsh Restoration Project in the Cache Slough Region of the Delta
Noah Hume, Stillwater Sciences

Lower Yolo Restoration Project
Chris Campbell, cbec eco engineering

Suisun Creek Watershed Program
Laurel Marcus, California Land Stewardship Institute

Observations from Stevens Creek After 5 Years of Post-Construction Monitoring
Anne Senter, Balance Hydrologics

Fish: Monitoring

43 Years of Fish Monitoring Data in South San Francisco
Aaron Tinker, Marine Science Institute

An Assessment of Beach Seine Capture Efficiency for Fishes Occurring in Littoral Habitat within the San Francisco Estuary
Joseph Kirsch, U.S. Fish and Wildlife Service

Effects of Flow Magnitude and Duration on Age-0 Sacramento Splittail Abundance in the San Joaquin River Basin
Joseph Kirsch, U.S. Fish and Wildlife Service

Fish: Sturgeon

Effects of Nutritional Status on Fingerling Green Sturgeon (*Acipenser medirostris*) High Temperature Tolerance and Aerobic Swimming
Christine Verhille, University of California, Davis

Feed Restriction Affects Osmoregulation in Green (*Acipenser medirostris*) and White (*A. transmontanus*) Sturgeon Juveniles
Seunghyung Lee*, University of California, Davis

Effects of Restricted Feeding on Nutritional Status of Juvenile Green Sturgeon (*Acipenser medirostris*) and White Sturgeon (*A. transmontanus*)
Seunghyung Lee*, University of California, Davis

Evidence of Niche Partitioning among Green Sturgeon (*Acipenser medirostris*) and White Sturgeon (*A. transmontanus*) in the San Francisco Bay Watershed
Emily Miller*, Department of Wildlife, Fish, and Conservation Biology, University of California, Davis

Flood Control: Habitat Restoration

Reconnecting Lower Walnut Creek
Eulaila Ishee*, University of California, Berkeley

Colma Creek: How Does Sediment Removal from a Flood Control Channel Affect Nearby Tidal Wetland Habitats?
Kevin Fisher, Horizon Water and Environment

Arroyo Mocho Stanley Reach Pilot Project: Floods, Fish, & Finance
Carol Mahoney, Zone 7 Water Agency

Food Webs

Seasonal Patterns of Three Key Phytoplankton Species in San Francisco Bay
Charles Martin, U.S. Geological Survey

Contrasting Pathways for Trophic Structuring in the San Francisco Estuary
Diana Engle, Larry Walker Associates

Assessing Phytoplankton Physiology in San Francisco Estuary with the PhytoFlash™ Active Fluorescence Probe
Nicole M. Travis*, Romberg Tiburon Center, San Francisco State University

Habitat Restoration: Climate Change

How Do Edaphic Characteristics Influence Native Pacific Cordgrass (*Spartina foliosa*) Restoration Success across Tidal Elevations?
Whitney Thornton, Coastal Conservancy Invasive Spartina Project, Olofson Environmental Inc.

When Will the Bay Reach Highway 37?
Renee Spenst, Ducks Unlimited, Inc.

Evolution of Community-based Restoration Techniques for Transition Zone Habitat at Eden Landing Ecological Reserve
Jack States, Save The Bay

Up-scaling Wetland CO2 and CH4 Exchange in the Sacramento-San Joaquin River Delta
Cove Sturtevant, University of California, Berkeley Biometeorology Lab

Direct Measurements of Wind-Water Momentum Coupling in a Tule Marsh
Ian Tse*, University of California, Berkeley

Modeling Suspended Sediment Transport and Geomorphic Processes at a Breached Delta Island
Matt Brennan, ESA PWA

Interactions Between Waves, Sediment, and Turbulence on a Shallow San Pablo Bay Mudflat
Lissa MacVean, U.S. Geological Survey

Restoration Progress Toward Regional Goals in the San Francisco Baylands
Kristen Cayce, San Francisco Estuary Institute

Habitat Restoration: Living Shorelines

Current Status of Olympia Oyster Populations in the San Francisco Estuary
Andrew Chang, San Francisco Bay NERR

Effects of an Environmental Stressor on Oysters: Using a Scientific Approach to Restoration Planning
Anna Deck, San Francisco Bay NERR

Managing for Resilience in the Face of Climate Change: A Collaborative Approach to Oyster-Restoration Research in San Francisco Bay and Elkhorn Slough, CA
Chela Zabin, University of California, Davis

Avian and Benthic Invertebrate Responses to Eelgrass and Native Oyster Restoration for the Living Shorelines Nearshore Linkages Project
Susan E.W. De La Cruz, U.S. Geological Survey

Invertebrate and Fish Responses to Eelgrass and Oyster Restoration in a San Francisco Estuary Living Shorelines Project
Cassie Pinnell*, Romberg Tiburon Center, San Francisco State University

Acoustic Fish Telemetry at the San Rafael Living Shorelines Oyster Reef
Kevin Stockmann*, Romberg Tiburon Center, San Francisco State University

Evaluating Oyster-restoration Substrate Performance between and within Two Restoration Sites in San Francisco Bay
Chela Zabin, University of California, Davis

Evolving the Bed - Physical and Geomorphic Processes of the San Francisco Bay Living Shorelines: Nearshore Linkages Project
Doug George, ESA PWA

Habitat Restoration: Wetlands

How Do Transplant Source, Restoration Site Constraints, and Herbivory Interact in Reintroduction Efforts of Native Pacific Cordgrass (*Spartina foliosa*) in the San Francisco Bay?
Whitney Thornton*, Romberg Tiburon Center, San Francisco State University, Invasive Spartina Project

Is Restoration of Salt Marshes Enhanced by Proximity to Established Native Spartina?
Brian Ort, Coastal Conservancy Invasive Spartina Project; Olofson Environmental Inc. (OEI)

South San Francisco Bay Three-Dimensional Sediment Transport Modeling
Aaron Bever, Delta Modeling Associates

Seed Dispersal in the Eden Landing Salt Ponds Complex: The Influence of Landscape, Site and Time on Seed Arrival
Dylan Chapple*, University of California, Berkeley

Hayward Shoreline: Observations from an Evolving Landscape
Francesca Demgen, URS Corp

Studying Germination of *Distichlis spicata* for Seeds with South San Francisco Bay Provenance
Aidona Kakouros, San Francisco Bay Bird Observatory

Using Landscape Ecology Metrics to Assess Changes in San Francisco Bay-Delta Estuary Tidal Marsh from Past to Present in Support of Regional Landscape-scale Restoration
Julie Beagle, San Francisco Estuary Institute

The Sonoma Creek Enhancement Project: Habitat Improvements and Mosquito Source Reduction in a North Bay Centennial Tidal Marsh
Daniel Gillenwater, Wetlands and Water Resources, Inc.

Sonoma Baylands Wetlands Demonstration Project: Lessons Learned Over 15 Years of Monitoring
Lindsey Sheehan, ESA PWA

Factors Influencing Vegetation Expansion and Transplant Success at the Liberty Island Restoration Site in the Sacramento/San Joaquin Delta, California
Mark Hester, University of Louisiana

Ecosystem-scale Rates of Primary Production within Wetland Habitats of the Northern San Francisco Estuary
Alexander Parker, California Maritime Academy

Restoration of Bair Island Complex Nears Completion
Renee Spenst, Ducks Unlimited, Inc.

The Contribution of Vegetated Ponds to Phytoplankton Carbon and Material Flux in the Freshwater Tidal Wetland Liberty Island
Peggy Lehman, California Department of Water Resources

Spatial Heterogeneity in Flow Paths in a Dense Delta Marsh
Madeline R. Foster*, University of California, Berkeley

Invasive Species

Salinity Pattern in Indian Estuaries Regulating Alien Anisakid Species Invasion in Fish
Sandeep K. Malhotra, Department of Zoology, Allahabad Central University

Population Persistence of the Invasive Suspension-feeding Bivalves *Potamocorbula amurensis* and *Corbicula fluminea* in San Francisco Estuary: What Can We Learn about Future Spread and Impacts?
Janet Thompson, U.S. Geological Survey

Three Non-native Jellyfish in the San Francisco Estuary: Distribution, Abundance, and Potential Impacts
Jessica Donald*, Romberg Tiburon Center, San Francisco State University

Abundance and Distribution of Gelatinous Plankton in the Northern San Francisco Estuary
Amalia Borson*, Graduate College of Education, San Francisco State University

Salinity Tolerance of the Copepod *Pseudodiaptomus forbesi*
Karen Kayfetz*, Romberg Tiburon Center, San Francisco State University

Assessment of Revegetation of Tidal Marshes Following Invasive Spartina Control
Megan Elrod, Point Blue Conservation Science

Approaching Eradication of *Spartina densiflora* from the San Francisco Estuary: Successful Adaptive Integrated Pest Management
Drew Kerr, State Coastal Conservancy's Invasive Spartina Project

HACCP (Hazard Analysis and Critical Control Point) Planning: A Risk Management Tool to Decrease the Movement of Invasive Species
Jonathan Thompson, California State Lands Commission

Invasive Species: Commercial Vessels

Compliance of Ballast Water Management for Commercial Ships Operating in the San Francisco Estuary
Christopher Brown, California State Lands Commission

Risky Business: Comparative Nonindigenous Species Risk from Vessels at San Francisco Estuary Ports
Raya Nedelcheva, Marine Invasive Species Program, California State Lands Commission

Hull Husbandry Patterns of Commercial Vessels Operating Within the San Francisco Estuary: Implications for Vessel Biofouling and Species Introductions
Chris Scianni, Marine Invasive Species Program, California State Lands Commission

Nutrients

Quantifying External Nutrient Loads to San Francisco Bay
Emily Novick, San Francisco Estuary Institute

Nutrient Exchange in Northern San Francisco Bay Sediments: Rates, Environmental Controls and Impacts of Invasive Bivalves
Jeffrey Cornwell, University of Maryland Center for Environmental Science, Horn Point Laboratory

How Anthropogenic Nutrients from Wastewater Treatment May Contribute to Low Phytoplankton Productivity and Blooms in the San Francisco Estuary
Frances Wilkerson, Romberg Tiburon Center, San Francisco State University

Nutrients: Nitrogen

Reinventing Water Infrastructure in the Face of Uncertainty: An Integrative Approach to Nitrogen Management in the San Francisco Bay
Sasha Harris*, University of California, Berkeley

Nitrogen Pollution in Tilden Park's Lakes and Ponds
Jane Sedlak*, Berkeley High School

Nitrogen Removal and Energy Recovery with the Coupled Aerobic-anoxic Nitrous Decomposition Operation (CANDO)
Yaniv Scherson*, Stanford University

Is Urea of Water Quality Concern in the San Francisco Estuary?
Sarah Blaser, Romberg Tiburon Center, San Francisco State University

Measurements and Potential Significance of Urea as a Nitrogen Source for HAB Species in San Francisco Bay, California: A One Year Pilot Study
Erica Kress, U.S. Geological Survey

Nitrogen and Chlorophyll a Flux between a Restored Tidal Wetland (Blacklock Marsh) and an Adjacent Bay in Suisun Marsh
Shannon Strong*, Romberg Tiburon Center, San Francisco State University

The Oro Loma Ecotone Project: Nitrogen Removal in a Constructed Wetland Habitat on San Francisco Bay
Jeremy Lowe, ESA

Does Nitrogen Form Make a Difference in the Amount of Nitrogen Algae Take Up? Some Forms are More Equal than Others
Pat Glibert, University of Maryland Center for Environmental Science, Horn Point Laboratory

Nitrogen Uptake by the Bloom-Forming Blue-Green Alga, *Microcystis aeruginosa,* in the San Francisco Estuary Delta
Jamie Lee*, Romberg Tiburon Center, San Francisco State University

Do Ammonium/Nitrate Conditions Play a Role in the Initiation of Spring Blooms in South San Francisco Bay?
Richard Dugdale, Romberg Tiburon Center, San Francisco State University

Public Education & Outreach

Restoring a Sense of Hope: Involving High School Students in Conservation
Lishka Arata, Point Blue Conservation Science

Digging into Restoration Technology: Implementing Next Generation Science Standards in Student Wetland Restoration Programs
Jessica Madding, Save The Bay

Community Outreach, Education, and Mobilization of Volunteers for Native Oyster Reef Restoration
Christopher Lim, The Watershed Project

Clean Creeks, Healthy Communities: A Trash Reduction Pilot Program
Ella Samonsky, City of San Jose

Tide Gate Closures Affect Dissolved Oxygen in Lake Merritt
Min-Juan Cen, University of California, Berkeley

San Francisco Historical Ecology Transect Exhibit
Kristina Larsen*, The Exploratorium

Corps of Engineers Sacramento District Regulatory in the Delta
Kathleen Dadey, U.S. Army Corps of Engineers

Design and Implementation of a Hands-on Water Engineering Challenge for a Public Science Center: An Interdisciplinary Collaboration of Scientists, Engineers, and Museum Staff
Jennifer Wang*, University of California, Berkeley

Change Our Disposable Plastic Waterways
Jeannette Frechou, Will C. Wood Middle School

California Estuary Monitoring Workgroup: Using Web Portals to Improve Scientific Understanding
Stephanie Fong, State and Federal Contractors Water Agency (SFCWA)

California Environmental Data Exchange Network: Standardizing Data for Statewide Integration and Assessment
Melissa Turner, MLJ-LLC, Central Valley Regional Data Center

Regional Habitat Monitoring and Assessment

Building a Regionally Coordinated Assessment Framework for the San Francisco Bay Joint Venture
Christina Sloop, San Francisco Bay Joint Venture

Measuring Wetland Canopy Leaf Area Index from Hemispherical Photography: First Results in the Delta and Strategies for Spatial Interpolation
Iryna Dronova, University of California, Berkeley

Marin County Progress Toward Integrated NHD Local Resolution and NWI Local Features
Brian Quinn, County of Marin, Community Development Agency

A Method of Identifying Reference Condition in Riparian Forests, and Establishment of Monitoring Protocols for Restoration Project Assessment
Kristen Van Dam, Urban Creeks Council

Delta Habitat Projects Database: Tracking Restoration and Mitigation Projects For Improved Coordination
Anitra Pawley, FloodSafe Environmental Stewardship and Statewide Resource Office (FESSRO), California Department of Water Resources

Stormwater Runoff: Contaminant Removal

Cleaning the Drain: Lessons Learned from the Pacific Commons Storm Water Treatment Wetland, Fremont, California
Daniel Freitas, Balance Hydrologics

Our City Forest Green Streets Program
Rhonda Berry, Our City Forest

TMDL Implementation

Mercury in the Mix: An In Situ Mesocosm Approach to Assess Relative Contributions of Mercury Sources to Methylmercury Production in the Sacramento-San Joaquin Delta
Jacob Fleck, U.S. Geological Survey, California Water Science Center

Investigation of Oxygen Consuming Materials Effecting a Dissolved Oxygen TMDL in the San Joaquin River's Deepwater Ship Channel near Stockton, CA
William Stringfellow, Lawrence Berkeley National Laboratory and University of the Pacific

EPA Actions to Accelerate Bay-Delta Water Quality Improvement through TMDL Implementation
Valentina Cabrera-Stagno, U.S. EPA Region 9

Water Quality

A Real-time Monitoring System to Track, Predict and Map the Distribution of Buoyant Pollutants in San Francisco Bay
Dale Robinson, San Francisco State University

Continuous Monitoring of Dissolved Oxygen in San Francisco Bay
Maureen Downing-Kunz, U.S. Geological Survey

Concentrations of Pesticides Entering the San Francisco Bay-Delta through the Sacramento and San Joaquin Rivers, 2012-2013
James Orlando, U.S. Geological Survey

Fifteen Year Volunteer Water Quality Monitoring Project at Lake Merritt
John Nguyen, Oakland High School

Water Quality: Mercury

Using Biosentinels to Assess Mercury Risk in Wetland Restoration Projects
April Robinson, San Francisco Estuary Institute

Past to Present: The Use of Bivalves to Reflect Past Methylmercury Concentrations and Develop New Directions for the Future of San Francisco Bay
Heather M. Foslund*, University of San Francisco

Treatment of Surface Waters with Metal Based Coagulants to Reduce Total and Methyl Mercury Concentrations, Loads, and Bioavailability
Tamara Kraus, U.S. Geological Survey California Water Science Center

Water Quality: Sediment

Applying Sediment Quality Assessment Protocols to San Francisco Bay Samples
Ellen Willis-Norton, San Francisco Estuary Institute

In Situ Measurements of Suspended Sediment Diffusivity by 3D Particle Tracking
Rachel Allen*, University of California, Berkeley

Water Quality: Emerging Contaminants

Impacts of Endocrine Disrupting Chemicals on *Menidia berylina*, a Resident Fish in the Sacramento-San Joaquin Delta
Bryan Cole, Bodega Marine Laboratory, University of California, Davis

Emerging Contaminants in the San Francisco Estuary: Pharmaceuticals and Personal Care Product Ingredients
Rachel Eastman, San Francisco Estuary Institute

Transcriptome Sequencing and Gene Expression Analysis for the Health Assessment of Inland Silversides
Ken Jeffries, University of California, Davis

Emerging Contaminants in the San Francisco Estuary: Currently Used Pesticides
Kelly D. Moran, TDC Environmental

Pesticides in the San Francisco Bay-Delta: Are We Seeing the Whole Picture?
Jennifer Teerlink, U.S. Geological Survey

Water Use and Management

2013 Temporary Transfer of 64,735 Acre-feet by Delta Export – A Wee Bit Reasonable to Ignore or Cumulative Fishery Impacts that Deserve to be Mitigated?
Richard Morat, Retired Federal Biologist and Friends of the Estuary Board Member

The State of the Bay 2013: Updated Indicators for Freshwater Inflows, Ecological Processes, Open Water Habitat, and Fish
Christina Swanson, Natural Resources Defense Council

Dispersion Mechanisms of a Tidal River Junction in the Sacramento-San Joaquin Delta, CA
Karla Gleichauf*, Stanford University

Water Quality Modeling in an Overground Rainwater Cistern Particularly for Long Term Storage for Cooling Applications
Nasim Tajmand*, Western Cooling Efficiency Center

Napa Sonoma Marsh Restoration Recycled Water Pipeline Project
Kevin Booker, Sonoma County Water Agency

Using Source Control to Reduce Salinity in Recycled Water
James Stuart, City of Palo Alto

Seeking True Replacement Costs, as Long-Term Value of Fresh Water around Over-Exploited San Francisco Estuary
Christopher Kitting, Department of Biological Science, California State University, East Bay

Watershed Management

New Bankfull Geometry Relations for Inland South Bay and Inland Monterey Bay, Central California
Barry Hecht, Balance Hydrologics

Potential Management Strategies along Arroyo Mocho and Arroyo las Positas based on Historical Ecology
Sean Baumgarten, San Francisco Estuary Institute

The Integrated Regional Wetland Monitoring Pilot Project: Overview
Stuart Siegel, Wetlands and Water Resources, Inc.

Announcing the Launch of the "acwForum.org": The Alameda Creek Watershed Forum
Amy Evans, Alameda County Resource Conservation District

Enhancing Regional Capacity for Habitat Restoration Project Tracking, Assessment and Reporting
Kristal Davis Fadtke, Sacramento-San Joaquin Delta Conservancy

CRAM: New Online Management Tools for Uploading and Accessing Wetland Condition Information
Cristina Grosso, San Francisco Estuary Institute-Aquatic Science Center

EcoAtlas: An Online Management Support Tool for the Delta and San Francisco Bay Ecosystem
Cristina Grosso, San Francisco Estuary Institute-Aquatic Science Center

Reflections on 12 years of Dredged Sediment Management in SF Bay and Future Directions
Anniken Lydon, Bay Conservation and Development Commission