

20/20 Vision: Past Reflections, Future Directions

11th Biennial State of the San Francisco Estuary Conference
October 29–30, 2013
Oakland Marriott City Center, Oakland, CA

Opening Gala
at the Oakland Museum 5:00 PM OCTOBER 28, 1000 OAK STREET, OAKLAND, CA

Plenary Session TUESDAY, OCTOBER 29, 2013

9:00 AM **Opening Remarks**
Moderator: Andrew Gunther, Executive Coordinator, Bay Area Ecosystems Climate Change Consortium

Welcome

Mayor Julie Pierce, City of Clayton; ABAG Vice President

9:10 AM **20/20 Vision: Past Reflections, Future Directions**
Jared Blumenfeld, EPA's Regional Administrator for the Pacific Southwest
Steven Ritchie, Assistant General Manager of Water, San Francisco Public Utilities Commission

9:45 AM **Climate-Smart Estuary: Nature-based Solutions to Secure our Future**
Ellie Cohen, President and CEO, Point Blue Conservation Science

10:05 AM *Jean Auer Award*

10:20 AM **BREAK**

Wetlands, Flood Protection, and the Bay Area Economy

10:40 AM **Bay Area: What's at Risk?**
Carl Guardino, President and CEO, Silicon Valley Leadership Group

10:55 AM **The Strategy for South Bay**
Linda LeZotte, Director District 4, Santa Clara Valley Water District

11:10 AM **Panel Discussion**
Moderator: Carl Guardino, President and CEO, Silicon Valley Leadership Group
Linda LeZotte, Director District 4, Santa Clara Valley Water District
David Lewis, Executive Director, Save the Bay
Kerrie Romanow, Director of Environmental Services, City of San Jose
Lieutenant Colonel John Baker, Commander and District Engineer, US Army Corps of Engineers
Sam Schuchat, Executive Officer, State Coastal Conservancy

12:00 PM **Be the Street—Youth Stewardship Videos**
Nick Laurrell, SGA Inc.

12:10 PM **Inspiration Campaign**
Robert Bengston

12:15 PM **LUNCH & POSTER SESSION**

Species / Restoration

Water Quality

Management Challenges

Sustainable Communities

Native Wildlife and Invasive Species

Escape from Trash Mountain

Future Solutions for the Bay (I)

Sharing our Stories: Interpreting the Estuary

- 1:35 PM **Introduction**
Moderator: Beth Huning, SFBJV
- 1:40 PM **Porpoises and Dolphins Find New Habitat in SF Bay**
William Keener, Golden Gate Cetacean Research
- 2:05 PM **Distribution and Population Trends for the Endangered California Clapper Rail**
Julian Wood, Point Blue Conservation Science
- 2:30 PM **Balancing the Eradication of an Invasive Ecosystem Engineer and Endangered Species Recovery**
Drew Kerr, Invasive Spartina Project
- 2:55 PM **Managing the Menace: Quagga and Zebra Mussels in California**
Martha Volkoff, CDFW
- 3:20 PM **BREAK**

- Introduction**
Moderator: Janet Cox, SFEP
- Trash: It's What's for Dinner**
Carolynn Box, 5 Gyres Institute, and Anna-Marie Cook, US EPA
- Getting To Clean: Regulating Trash and Gauging Success**
Dale Bowyer, SF Bay Water Board, and Chris Sommers, EOA, Inc.
- TRASH REDUCTION: Just Do It!**
Moderator: Melody Tovar, City of Sunnyvale
Napp Fukuda, City of San Jose
Meri Soll, StopWaste.org
Rinta Perkins, City of Walnut Creek
Rebecca Tuden, City of Oakland
- BREAK**

- Introduction**
Moderator: Letitia Grenier, Baylands Goals
- Integrating Nature and Engineering to Design a Resilient Bay**
Robin Grossinger, SFEI, and Jeremy Lowe, ESA PWA
- The Updated Baylands Goals: A Collective Vision of the Baylands for the Next Century**
Letitia Grenier, Baylands Goals
- GUIDED Q&A: How the Baylands are Projected to Change Over the Next Century and Recommended Actions to Increase Ecosystem Resilience**
Chairs of the Baylands Goals Science Workgroups
- BREAK**

- Introduction**
Moderator: Will Travis, Climate Change Consultant
- The Indigenous Bay: Tribal Knowledge, Conservation and Challenges**
Chuck Striplen, SFEI
- Above and Below: Stories from the Changing Bay**
Ruth Askevold, SFEI, and Louise Pubols, Oakland Museum of California
- Delta Gateways: Heritage and Habitat**
Alex Westhoff, Delta Protection Commission, and Michael Moran, EBRPD
- Curating the Bay: Crowdsourcing a New Public History**
Jon Christensen, UCLA
- BREAK**

Sea Level Rise and the North Delta Ark

Bay-Delta TMDLs: How Can We Accelerate Water Quality Restoration?

Future Solutions for the Bay (II)

- 3:40 PM **Introduction**
Moderator: Jay Lund, UC Davis
- 3:45 PM **Cache Slough and the Northern Ark of Native Fishes**
John Durand, UC Davis
- 4:10 PM **Suisun Marsh, Past, Present, and Possible Futures**
Amber Manfree, UC Davis
- 4:35 PM **Yolo Bypass Integrated Modeling for Fish, Fowl, Farming and Floods**
Robyn Suddeth, UC Davis

- Introduction**
Moderator: Sam Ziegler, US EPA
- Central Valley Irrigated Lands Regulatory Program – Implementing the Pesticide TMDL**
Joe Karkoski, CVRWQCB
- Implementing the Urban Creeks Pesticide TMDL— Early Victories on the Long Road to Solutions**
Kelly Moran, TDC Environmental
- Watershed Restoration — Implementing the Napa River Sediment TMDL**
Leigh Sharp, Napa RCD

- Introduction**
Moderator: Robin Grossinger, SFEI
- Nature-based Ideas for Shoreline Resilience: Current Status and Next Steps**
Sarah Richmond, BCDC & Peter Baye, Coastal Ecologist
- Aligning Regulation and Baylands Goals Implementation for Integrated Solutions and a Resilient Shoreline**
Joe LaClair, BCDC
- WAYS FORWARD: Panel Discussion on Key Opportunities and Barriers**
Joe LaClair, BCDC
Jason Brush, US EPA
Cay Goude, USFWS
Anne Morkill, USFWS
Bruce Wolfe, SF Bay Water Board

Plenary Session WEDNESDAY, OCTOBER 30, 2013

Future Challenges: Water Quantity, Water Quality

9:00 AM Opening Remarks

Moderator: Felicia Marcus, Chair, State Water Resources Control Board

9:05 AM One Estuary, Many Plans: How Will They Work Together?

Charlton Bonham, Director, Department of Fish and Wildlife

Mark Cowin, Director, Department of Water Resources

Randy Fiorini, Vice Chair, Delta Stewardship Council

Michael Machado, Immediate Past Executive Director, Delta Protection Commission

Felicia Marcus, Chair, State Water Resources Control Board

10:30 AM Outstanding Environmental Awards

10:45 AM BREAK

11:05 AM Signs that the Bay's Resistance to Nutrient Pollution is Weakening

James Cloern, Senior Research Scientist, USGS

11:30 AM Prioritizing Contaminants of Emerging Concern (CECs): Applying a Global Perspective to a Regional Strategy

Derek Muir, Senior Research Scientist, Environment Canada

11:55 AM California's Safer Consumer Product Regulations: An Important Tool for Water Pollution Prevention

Debbie Raphael, Director, Department of Toxic Substances Control

12:20 PM LUNCH & POSTER SESSION

Premier Sponsor: State Coastal Conservancy

Anchor Co-sponsors:
Bay Area Clean Water Agencies
Cargill
City of San Jose
Delta Science Program
Friends of the San Francisco Estuary
Regional Monitoring Program
San Francisco Public Utilities Commission
U.S. Environmental Protection Agency

Co-sponsors:

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Balance Hydrologics, Inc.
Bay Area Stormwater Management Agencies Association
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California Department of Water Resources
California State Lands Commission
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Citizens Committee to Complete the Refuge
Central Contra Costa Sanitary District
Contra Costa County Flood Control District
Delta Protection Commission
Ducks Unlimited
ESA
East Bay Municipal Utility District
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San Francisco Bay National Estuarine Research Reserve
San Francisco Estuary Institute
Santa Clara Valley Water District
Save the Bay
Sonoma County Agriculture Preservation and Open Space District
Sonoma County Water Agency
Sonoma Land Trust
U.S. Fish and Wildlife Service
Water Education Foundation
Western States Petroleum Association
Zone 7 Water Agency

Species/Restoration

Water Quality

Management Challenges

Sustainable Communities

Restoring the Baylands

Managing CECs: An Ounce of Prevention

Delta Economics and Managing Multiple Stressors

Scaling up to Sustainable Watershed Management (I)

- 1:20 PM Introduction
Moderator: Amy Hutzler, State Coastal Conservancy
- 1:25 PM A Decade of Progress for the South Bay Salt Pond Restoration Project
John Bourgeois, State Coastal Conservancy
- 1:50 PM North Bay Wetland Restoration
Renee Spent, Ducks Unlimited
- 2:15 PM Completing the Hamilton Wetland Restoration Project: Are We There Yet?
Tom Gandesbery, State Coastal Conservancy
- 2:40 PM Nearshore Linkages: The Roles of Native Oysters and Eelgrass as Living Shorelines
Katharyn Boyer, SFSU
- 3:05 PM BREAK

- Introduction
Moderator: Karin North, City of Palo Alto
- Managing Contaminants of Emerging Concern in the Bay
Tom Mumley, SF Bay Water Board
- Flame Retardants – Effects of Flammability Standards and Bans
Becky Sutton, SFEI
- Perfluorinated Compounds in San Francisco Bay Seals and Birds
Meg Sedlak, SFEI
- Pharmaceuticals and the Bay: A Cradle to Cradle Approach
Francesca Vietor, SFPUC
- BREAK

- Introduction
Moderator: Campbell Ingram, Sacramento-San Joaquin Delta Conservancy
- DISCUSSION PANEL: Perspectives on Delta Economic Futures
Jeffrey Michael, University of the Pacific
Jerry Meral, California Natural Resources Agency
- Scientist and Stakeholder Views on Delta Ecosystem Management
Ellen Hanak, Public Policy Institute of California
- Managing Delta Ecosystem Reconciliation Adaptively
Jay Lund, UC Davis
- BREAK

- Introduction
Moderator: Steve Moore, State Water Resources Control Board
- Stream Level: Steelhead Populations as Indicators of High Functioning Stream Habitats
Jonathan Koehler, Napa RCD
- Reach Level: The Case for Reach—Scale Restoration and Habitat Enhancement
Gordon Becker, Center for Ecosystem Management and Restoration
- Reach Level: Watershed Assessment Methods—The Challenges of Assessing Watershed Health
Josh Collins, SFEI
- Watershed Level: Integrating Watershed Assessments in Multi-Objective Projects—San Francisquito Creek
Len Materman, San Francisquito Joint Powers Authority
- BREAK

Wildlife Responses to Restoration

Nutrients: Managing a Changing Bay

The Delta Science Plan—Working Together to Build an Open Science Community

Scaling up to Sustainable Watershed Management (II)

- 3:25 PM Introduction
Moderator: Beth Huning, SFBJV
- 3:30 PM Salt Marsh Harvest Mouse Habitat Use in Suisun Marsh
Sarah Estrella, CDFW
- 3:55 PM Bird Responses to Habitat Restoration—Progress, Challenges and Opportunities
Catherine Burns, San Francisco Bay Bird Observatory
- 4:20 PM Monitoring the Effect of Salt Pond Restoration on Fish Populations in South San Francisco Bay
Jim Hobbs, UC Davis

- Introduction
Moderator: Jim Ervin, City of San Jose
- Nutrients in San Francisco Bay: Science to Inform Policy
David Senn, SFEI
- Counting Calories in the Bay: What is the Recommended Daily Allowance?
Naomi Feger, SF Bay Water Board
- Nutrient Management: A Statewide Perspective
Martha Sutula, SCCWRP

- Introduction
Moderator: Peter Goodwin, Delta Science Program
- One Delta—One Science
Peter Goodwin, Delta Science Program
- PANEL DISCUSSION: Moving Forward with a Joint Science Agenda
Moderator: Rainer Hoenicke, Delta Science Program
- Anke Mueller-Solger, Lead Scientist, IEP Scientist, USGS
- Paul Helliker, CDWR
- Carl Wilcox, CDFW
- Mike Chotkowski, USFWS
- Maria Rea, NOAA Fisheries
- Sue Fry, USBR
- Val Connor, SFWCA

- Introduction
Moderator: Steve Moore, State Water Resources Control Board
- Watershed Level: Urban Watershed Planning—What Does Sustainable Management Mean?
Josh Bradt, SFEP
- Regional Level: Developing Next Generation Technology and Management Tools for Sustainable Watersheds
Bill Eisenstein, UC Berkeley
- Regional Level: Current Trends and Future of Integrated Water Management—Combining Water Resource Governance Structures
Steve Moore, State Water Resources Control Board