

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**

Steven Ritchie, Assistant General Manager of Water, San Francisco Public Utilities Commission

9:35 AM **Climate-Smart Estuary: Nature-based Solutions to Secure our Future**

Ellie Cohen, President and CEO, Point Blue Conservation Science

10:00 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**

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Species / Restoration

Native Wildlife and Invasive Species

- 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
- 3:00 PM **BREAK**

Water Quality

Escape from Trash Mountain

- 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**

Management Challenges

Future Solutions for the Bay (I)

- 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**

Sustainable Communities

Sharing our Stories: Interpreting the Estuary

- 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

- 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

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

- 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

Future Solutions for the Bay (II)

- 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
LTC John Baker, US Army Corps of Engineers
Cay Goude, USFWS
Anne Morkill, USFWS
Bruce Wolfe, SF Bay Water Board

Funding the Future: Innovative Approaches to Financing Restoration

- Introduction:**
Moderator: Ariana Katovich, Earth Island Institute
- Quantifying the Benefits of Nature: Why are We Valuing Ecosystem Services and How Do We Go about It?**
David Batker, Earth Economics
- Incorporating the Co-Benefits: How Do Ecosystem Services Benefit Other Sectors?**
Philip King, SFSU
- Selling Co-Benefits to Funders: Opening Up Funding Possibilities for Your Project**
Marina Psaros, Principal at Coravai, LLC

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

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Friends of the San Francisco Estuary

Regional Monitoring Program

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U.S. Environmental Protection Agency

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Citizens Committee to Complete the Refuge

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Contra Costa County Flood Control District

Delta Protection Commission

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ESA

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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 Hutzell, State Coastal Conservancy

Introduction
Moderator: Karin North, City of Palo Alto

Introduction
Moderator: Campbell Ingram, Sacramento-San Joaquin Delta Conservancy

Introduction
Moderator: Steve Moore, State Water Resources Control Board

1:25 PM **A Decade of Progress for the South Bay Salt Pond Restoration Project**
John Bourgeois, State Coastal Conservancy

Managing Contaminants of Emerging Concern in the Bay
Tom Mumley, SF Bay Water Board

DISCUSSION PANEL: Perspectives on Delta Economic Futures

Jeffrey Michael, University of the Pacific
David Sunding, UC Berkeley

Stream Level: Steelhead Populations as Indicators of High Functioning Stream Habitats
Jonathan Koehler, Napa RCD

1:50 PM **North Bay Wetland Restoration**
Renee Spenst, Ducks Unlimited

Flame Retardants – Effects of Flammability Standards and Bans
Becky Sutton, SFEI

Reach Level: The Case for Reach—Scale Restoration and Habitat Enhancement
Gordon Becker, Center for Ecosystem Management and Restoration

2:15 PM **Completing the Hamilton Wetland Restoration Project: Are We There Yet?**
Tom Gandesbery, State Coastal Conservancy

Perfluorinated Compounds in San Francisco Bay Seals and Birds
Meg Sedlak, SFEI

Scientist and Stakeholder Views on Delta Ecosystem Management
Ellen Hanak, Public Policy Institute of California

Reach Level: Watershed Assessment Methods—The Challenges of Assessing Watershed Health
Josh Collins, SFEI

2:40 PM **Nearshore Linkages: The Roles of Native Oysters and Eelgrass as Living Shorelines**
Katharyn Boyer, SFSU

Pharmaceuticals and the Bay: A Cradle to Cradle Approach
Francesca Vietor, SFPUC

Managing Delta Ecosystem Reconciliation Adaptively
Jay Lund, UC Davis

Watershed Level: Integrating Watershed Assessments in Multi-Objective Projects—San Francisquito Creek
Len Materman, San Francisquito Joint Powers Authority

3:05 PM **BREAK**

BREAK

BREAK

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

Introduction
Moderator: Jim Ervin, City of San Jose

Introduction
Moderator: Peter Goodwin, Delta Science Program

Introduction
Moderator: Steve Moore, State Water Resources Control Board

3:30 PM **Salt Marsh Harvest Mouse Habitat Use in Suisun Marsh**
Sarah Estrella, CDFW

Nutrients in San Francisco Bay: Science to Inform Policy
David Senn, SFEI

One Delta—One Science
Peter Goodwin, Delta Science Program

Watershed Level: Urban Watershed Planning—What Does Sustainable Management Mean?
Josh Bradt, SFEP

3:55 PM **Bird Responses to Habitat Restoration—Progress, Challenges and Opportunities**
Catherine Burns, San Francisco Bay Bird Observatory

Counting Calories in the Bay: What is the Recommended Daily Allowance?
Naomi Feger, SF Bay Water Board

PANEL DISCUSSION: Moving Forward with a Joint Science Agenda
Moderator: Rainer Hoenicke, Delta Science Program

Anke Mueller-Solger, IEP
Paul Helliker, CDWR
Carl Wilcox, CDFW
Mike Chotkowski, USFWS
Maria Rea, NOAA Fisheries
Sue Fry, USBR

Regional Level: Developing Next Generation Technology and Management Tools for Sustainable Watersheds
Bill Eisenstein, UC Berkeley

4:20 PM **Monitoring the Effect of Salt Pond Restoration on Fish Populations in South San Francisco Bay**
Jim Hobbs, UC Davis

Nutrient Management: A Statewide Perspective
Martha Sutula, SCCWRP

Regional Level: Current Trends and Future of Integrated Water Management—Combining Water Resource Governance Structures
Steve Moore, State Water Resources Control Board

4:45–4:50 PM **EVALUATION FORM SUBMISSION AND RAFFLE**