



Our Actions: Our Estuary

9TH BIENNIAL STATE OF THE SAN FRANCISCO ESTUARY CONFERENCE

September 29–October 1, 2009
Oakland Marriott City Center, Oakland, CA



Daily Program September 29

Welcome

The Heat is On

Aquatic Resources

Sink or Swim

9:00 AM **Welcome**
Henry Gardner, ABAG

9:10 AM **Opening Remarks by
Lisa P. Jackson**
US EPA Administrator

The Heat is On

Moderator: Jerry Kay, Media Interchange

9:25 AM **Global Warming: Is the Science Settled Enough for Policy?**
Stephen Schneider, Stanford University

9:55 AM **Sea Level Rise and San Francisco Bay**
Heather Cooley, Pacific Institute

10:20 AM **Changes in Latitude, Changes in Attitude**
Margaret Davidson, NOAA

10:45 AM **BREAK**

Building Resilience to Climate Change: Panel Discussion

Moderator: Jerry Kay, Media Interchange

11:05 AM **How do we build resilience? Local, state, regional, and national efforts to address climate change: What is happening and what are we lacking?**
Mike Mielke, Silicon Valley Leadership Group
Will Travis, BCDC
Heather Cooley, Pacific Institute
Margaret Davidson, NOAA
Stephen Schneider, Stanford University

12:00 PM **JEAN AUER AWARD**

12:15 PM **LUNCH**

Aquatic Resources: Linking the Ocean, Estuary, and Watershed

Moderator: Kathy Hieb, DFG

1:15 PM **Ocean Processes Influencing Seabirds and Their Prey in the Gulf of the Farallones**
Jaime Jahncke, PRBO Conservation Science

1:40 PM **Ocean-Driven Interannual Variability in San Francisco Bay Ecology**
Jim Cloern, USGS

2:05 PM **The Once and Future Kings? Status and Prospects for California's Chinook Salmon**
Steve Lindley, NOAA Fisheries

2:30 PM **Changing Habitats, Changing Communities: An Update on the Upper Estuary Pelagic Organism Decline**
Larry Brown, USGS

2:55 PM **CCMP AWARDS**

3:10 PM **BREAK**

Will Our Wetlands Sink or Swim with Climate Change?

Moderator: Sam Schuchat, State Coastal Conservancy

3:30 PM **Elvis on Sediment Management: "A Little Less Conversation, A Little More Action Please"**
Steve Crooks and Michelle Orr, Philip Williams & Associates, Ltd.

4:00 PM **Bay Wetland Plants and Sediments: Inseparable in the Face of Climate Change**
John Callaway, University of San Francisco

4:25 PM **Wetlands Restoration and Flood Protection: The Essential Symbiosis**
Steven Ritchie, State Coastal Conservancy

4:50 PM **BCDC RISING TIDES DESIGN COMPETITION**

5–7:00 PM **Poster Session & Reception**

6:45–8 PM **TELLING THE ESTUARY STORY: Three Short Films**
The Lost Marshlands of San Francisco Bay
(World Premiere)
Saving the Bay *(Preview of TV Documentary)*
Rivers of a Lost Coast *(Excerpt)*

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Daily Program September 30

The Everglades Experience
A Changing Delta
Pollution Solutions
*Green Pavement,
Purple Pipes*
Clean Water Champions

9:00 AM **Keynote Address**
Lessons from the Everglades: The Limits of Consensus
Michael Grunwald, Time Magazine

Scientists' Perspectives on Managing a Changing Delta

Moderator: Tim Ramirez, San Francisco Public Utilities Commission

9:30 AM **Making Adaptive Management Work: Examples from Australia with Potential Application to the Delta**
Cliff Dahm, CALFED Lead Scientist

9:45 AM **Managing for What We Don't Know, and May Never Know, About the Delta**
Denise Reed, University of New Orleans

10:00 AM **Next Steps in Improving Water Management in California: A View from the first CALFED Lead Scientist**
Sam Luoma, UC Davis/USGS

10:15 AM **Panel Discussion**
Moderated: Tim Ramirez, San Francisco Public Utilities Commission

10:40 AM **BREAK**

Pollution Solutions

Moderator: Tom Mumley, SF Bay Water Board

11:00 AM **Tackling the Trash Epidemic**
David Lewis, Save the Bay

11:25 AM **A New Era for Pollution Prevention**
Phil Bobel, City of Palo Alto

11:50 AM **Oil, Sewage, and Estuary Resilience**
Dyan Whyte, SF Bay Water Board

12:10 PM **RIVER OF WORDS AWARDS**

12:20 PM **LUNCH**

Rebuilding Our Infrastructure: Green Pavement, Purple Pipes

Moderator: Mike Connor, East Bay Dischargers Authority

1:20 PM **Future Trends and "The Long Now" for Wastewater/Stormwater Treatment**
Steve McDonald, Carollo Engineers

1:45 PM **Challenges & Plans for Water Reuse and Recycling**
Eric Rosenblum, City of San Jose

2:10 PM **Portland's Progress: From Gray to Green**
Tom Liptan, City of Portland

2:35 PM **STUDENT POSTER AWARDS**

2:45 PM **BREAK**

Local Government Clean Water Champions

Moderator: Assemblymember Nancy Skinner, California 14th District

3:05 PM **Introductory Remarks**
Matt Fabry, San Mateo
Peter Schultze-Allen, Emeryville
Steve Lawton, Hercules
Gary Wolff, Stopwaste.org
Rosey Jencks, SFPUC

3:30 PM **Greening Our Watersheds: Panel Discussion**

4:30 PM **Green-Collar Jobs: Local Campaign to National Movement and Back Again**
Jakada Imani, Ella Baker Center

5–7:00 PM **Poster Session & Reception**



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Daily Program

October 1

Baylands Goals

Ports

Contaminants

The Future Delta

Sustainable Urban Retrofit

TRACK A

The Baylands Goals Report at 10 Years: Where Are We Now?

- 8:30 AM INTRODUCTION**
Moderator: Beth Huning, San Francisco Bay Joint Venture
- 8:40 AM Achieving Environmental Goals through Watershed Design**
Josh Collins, San Francisco Estuary Institute
- 9:00 AM Upland Goals and Bayland Goals: Making Connections in a Fragmented Landscape**
Stuart Weiss, Creekside Center for Earth Observation
- 9:20 AM Vegetation at the Rising Bay's Edge: Reviving Dynamic Terrestrial-Tidal Ecotones**
Peter Baye, Coastal Ecologist
- 9:40 AM Getting to the Bottom of It: Connecting Submerged Habitats, Wetland Design and Climate Change**
Marilyn Latta, Ocean Protection Council/State Coastal Conservancy
- 10:00 AM QUESTIONS**
- 10:10 AM BREAK**
- 10:30 AM INTRODUCTION**
Moderator: Beth Huning, San Francisco Bay Joint Venture
- 10:35 AM Assessing the Baylands Goals in Sonoma County: Are we there yet?**
John Brosnan, Sonoma Land Trust
- 11:00 AM Wetland Restoration and Sea Level Rise, the Case at Hamilton Wetlands**
Steve Goldbeck, San Francisco Bay Conservation and Development Commission
- 11:25 AM Future Scenarios for Tidal Marsh Plant and Bird Communities: Implications for Restoration and Conservation**
Diana Stralberg, PRBO Conservation Science
- 11:50 AM QUESTIONS**

TRACK B

Ports—Economic Benefits & Effects on the Estuary

Moderator: Jim Haussener, California Marine Affairs and Navigations Conference

- 8:30 AM Trends in Shipping and Bay Area Port Activities**
Jim Haussener, CMANC
- 8:45 AM Panel Session—Air Quality Issues at the Port of Oakland: Perspectives on Public Health Impacts and Port Responsibilities**
*Jean Roggenkamp, BAAQMD
Richard Sinkoff, Port of Oakland
Margaret Gordon, Port of Oakland Commissioner
Amy Zimpfer, US EPA*
- 9:30 AM Panel Session—Today's Issues in Dredging and the Use of Dredge Material for S.F. Bay Tidal Wetland Restoration**
*Tom Scheeler, Port of West Sacramento
Brenda Goeden, BCDC*
- 10:10 AM BREAK**
- Contaminants of Emerging Concern in the Estuary**
Moderator: Luisa Valiela, US EPA
- 10:30 AM Regulating Contaminants of Emerging Concern**
Tom Mumley, SF Bay Water Board
- 10:50 AM Flame Retardant Chemicals in San Francisco Bay: More than Just PBDEs**
Susan Klosterhaus, San Francisco Estuary Institute
- 11:10 AM Pyrethroid Pesticides in the Delta: We Can't Just Blame Agriculture any More**
Don Weston, University of California, Berkeley
- 11:30 AM The Ubiquitous Distribution of Alkylphenols: The Next Emerging Wave of Endocrine Disruptors along Coastal Waters**
Lars Tomanek, California Polytechnic State University
- 11:50 AM Exposure and Effect Considerations for Pharmaceuticals and Personal Care Products in Aquatic Ecosystems**
Bryan Brooks, Baylor University

TRACK C

The Future Delta and its Ecosystem

Moderator: Ellen Hanak, PPIC

- 8:30 AM The New Delta, after the Inevitable Transition**
Jeffrey Mount, UC Davis
- 8:50 AM Variability and Complexity for Improving the Delta for Native Fishes**
William Bennett, UC Davis
- 9:10 AM Flooded Island Ecosystems**
Laura Doyle, UC Davis
- 9:30 AM Estimation Methods for Flow Needs of Native Fishes**
Bill Fleenor, UC Davis
- 9:50 AM Components of the UC Davis Delta Solutions Program**
Jay Lund, UC Davis
- 10:10 AM BREAK**

Sustainable Urban Retrofit Session

Moderator: Matt Krupp, City of San Jose

- RETROFIT OF THE COMMUNITY**
- 10:30 AM Land Use, VMT, and Water Quality**
Hilary Nixon, San Jose State University
- RETROFIT OF STREETScape**
- 10:50 AM Trees and Healthy Neighborhoods**
Robin Grossinger, San Francisco Estuary Institute
- 11:10 AM Complete and Green Streets**
Jane Martin, PlantSF
- RETROFIT OF CREEKS**
- 11:30 AM Turning an Existing Channelized Creek into an Asset**
John Bourgeois, HT Harvey and Associates
- RETROFIT OF THE SUBURBAN HOME AND NEIGHBORHOODS**
- 11:50 AM Protecting the Estuary with Ecological Design: Living Roofs, Graywater Systems, and Rainwater Harvesting**
Josiah Cain, Design Ecology

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October 1

Species, Trends and Impacts

Trash

Watershed Network

TRACK A

12:10 PM LUNCH

Species of the San Francisco Estuary: Status, Trends and Impacts

Moderator: Letitia Grenier, SFEI

1:00 PM **Population Status and Recent Trends of California Clapper Rail and Other Marsh Birds of Concern**

Julian Wood, PRBO Conservation Science

1:20 PM **Increase of the California Gull Population in San Francisco Bay since the Early 1980s and Potential Impacts on Other Species of Nesting Waterbirds**

Jill Demers, San Francisco Bay Bird Observatory

1:40 PM **San Francisco Bay as an Invasion Hub for Western North America: Is Vessel Hull Transport of Biota Important?**

Greg Ruiz, Smithsonian Environmental Research Center

2:00 PM **Eelgrass in San Francisco Bay: Conservation and Restoration of a Habitat-Forming Species**

Katharyn Boyer, SFSU/Romberg Tiburon Center

2:20 PM **Benefits of Oyster Reef Restoration on Selected Native and Special-Status Species.**

Robert Abbott, ENVIRON International Corporation

2:40 PM **Trends of Bivalve in the Bay: How Important is Predation on Corbula and Company?**

Janet Thompson, US Geological Survey

3:00 PM Adjourn

TRACK B

12:10 PM LUNCH

Trash: Upstream and Downstream Solutions

Moderator: Phil Bobel, City of Palo Alto

1:00 PM **Introduction**

Phil Bobel, City of Palo Alto

1:10 PM **Trash Reduction Efforts in San Jose and Other Cities**

Melody Tovar, City of San Jose

1:30 PM **Southern California Experience**

Morad Sedrak, City of Los Angeles

1:50 PM **Other Places, Other Approaches**

Chris Sommers, EOA, Inc.

2:10 PM **State and Local Policy Measures for Taking Out the Trash**

Miriam Gordon, Clean Water Action

2:30 PM **Panel Discussion: Major Challenges**

Doug George, Ocean Protection Council

Melody Tovar, City of San Jose

Morad Sedrak, City of Los Angeles

Laura Reinhard, Save The Bay

Chris Sommers, EOA, Inc.

Miriam Gordon, Clean Water Action

3:00 PM Adjourn

TRACK C

12:10 PM LUNCH

Creating a Bay Area Watershed Network

Moderator: Judy Kelly, San Francisco Estuary Partnership

1:00 PM **Introduction to the Bay Area Watershed Network (BAWN)**

Dale Hopkins, SF Bay Water Board

1:05 PM **Around the Bay in 20 Minutes: A Whirlwind Tour of Watershed Efforts in the Bay Area**

Ten groups will each give a two-minute presentation showcasing a few of the wide variety of watershed activities around the Bay Area.

1:25 PM **Creating a Regional Watershed Voice—Policy Needs**

Caitlin Cornwall, Sonoma Ecology Center

John McCaull, Law Offices of John McCaull

1:40 PM **Assessment, Restoration Tools and Monitoring**

Peter Downs, Stillwater Sciences

Roger Leventhal, Far West Restoration Engineering

1:50 PM **Engaging the Community through Watershed Projects**

Mark Spencer, StopWaste.org

2:00 PM **Welcome to the 21st Century! Creative Media for Outreach and Education**

Lana Husser, Earth Team

Caroline Warner, San Francisco Bay Joint Venture

2:30 PM **“Shovel-ready Kids” Programs**

Laurette Rogers, Students and Teachers Restoring a Watershed (STRAW)

Marilee Eckert, Conservation Corps of the North Bay

3:00 PM Adjourn