

BPC WORKSHOP

Getting Shoreline Restoration & Resiliency Projects Constructed in San Francisco Bay

9:00 AM – 1:00 PM

April 17, 2018

Port Commission Room

2nd Floor Ferry Building

San Francisco Ferry Building

AGENDA

Light breakfast items will be provided.

9:00 am

WELCOME AND INTRODUCTIONS

Richard Sinkoff, *Director of Environmental Programs and Planning, Port of Oakland and President, Bay Planning Coalition*

9:05 am

BPC SUSTAINABLE WATERFRONTS COMMITTEE

Today's workshop was developed with great input from BPC's Sustainable Waterfronts Committee. We invite you to learn more about the committee's activities and our work to lead and inform on the region's working waterfront.

Speaker: Dilip Trivedi, *Vice President and Coastal Engineer, Moffatt & Nichol and Chair, BPC Sustainable Waterfronts Committee*

9:10 am

PANEL 1: CURRENT STATE OF PERMITTING FOR SHORELINE RESTORATION & RESILIENCY PROJECTS IN SAN FRANCISCO BAY

Shoreline restoration projects often enjoy widespread public and other stakeholder support but too often take longer to get through the environmental and permitting process than they should. How well are current streamlining approaches working and what additional methods and approaches can be employed to better move such projects forward? What can we learn from permitting processes in other estuary regions of the country? Finally, what are the possibilities for expediting permitting of such projects in the Bay and which "best management practices" are most effective?

Moderator: Gary Oates, *Strategic Client and Business Development Director, Environmental Science Associates (ESA)*

Panelists:

Peggy McNutt, *Program Officer, Resources Legacy Fund*

John Bourgeois, *Executive Director, South Bay Salt Ponds Restoration Project*

Brad McCrea, *Regulatory Program Director, San Francisco Bay Conservation and Development Commission*

10:00 am

PANEL 2: REGIONAL MITIGATION STRATEGIES AND RECOMMENDATIONS

As development in the Bay Area continues to thrive, mitigation strategies and solutions for projects have become more diverse, more creative, and more ecologically focused. What's the best strategy in the current climes to approach mitigation? What are the options? Whether it's regional in-lieu fee programs, large restoration projects, mitigation or conservation banks, or shoreline demonstration projects, the key is to determine which solution is the most effective and efficient. Our panelists will discuss the nuances and hurdles for some of these approaches: Ducks Unlimited specializes in large-restoration efforts; as a landowner, SFO has vast experience navigating the permitting and mitigation process; and Ken Sanchez has over 12 years in agency and regulator input and decisions.

Moderator: Leslie Lazarotti, *Senior Associate Regulatory Permitting Specialist, WRA, Inc.*

Panelists:

Jeff McCreary, *Director of Conservation Programs, Ducks Unlimited*

Nixon Lam, *Manager of Environmental Affairs, San Francisco International Airport*

Ken Sanchez, *Senior Associate Biologist, WRA, Inc.*

10:50 am

BREAK

11:05 am

PANEL 3: FUNDING CONSIDERATIONS

Measure AA can only provide a small share of the total funding we need to restore and build resiliency around the Bay. Are there any preliminary findings from the Resilient by Design: Bay Area Challenge initiative concluding in May that identify other funding sources? How do we design restoration projects to increase the potential for funding from co-beneficiaries such as wastewater utilities, transportation agencies, and private property owners? What is the role for state and federal funding? Do we need a legislative agenda to broaden funding options for restoration projects?

Moderator: Robert D. Spencer, *Principal, Urban Economics*

Panelists:

Mark Northcross, *Principal, NHA Advisors*

Matt Gerhart, *San Francisco Bay Area Regional Manager, California State Coastal Conservancy*

Dana Brechwald, *Regional Resilience Planner, Metropolitan Transportation Commission*

11:55 am

REGULATORY ROUNDTABLE

There are multiple initiatives in the Bay Area working to ensure that much-needed shoreline projects are able to be implemented timely and effectively to combat climate change impacts, such as rising sea levels. What changes, if any, do key permitting agencies envision to the current regulatory regime to better support shoreline restoration and resiliency projects? How can agencies like the State Coastal Conservancy support these to ensure that San Francisco Bay is protected for future enjoyment and sustained for the regional economy? What roadblocks stand in the way?

Moderator: Denis Cuff, *former reporter for Bay Area News Group, publisher of East Bay Times and San Jose Mercury News*

Panelists:

Dr. Rick Bottoms, *Chief, Regulatory Division, U.S. Army Corps of Engineers, San Francisco District*

Larry Goldzband, *Executive Director, San Francisco Bay Conservation & Development Commission*

Keith Lichten, *Chief, Watershed Management Division, San Francisco Bay Regional Water Quality Control Board*

Amy Hutzal, *Deputy Executive Officer, California State Coastal Conservancy*

12:55 pm

CLOSING REMARKS

John A. Coleman, *Chief Executive Officer, Bay Planning Coalition*

SPEAKER BIOGRAPHIES



JOHN BOURGEOIS, SOUTH BAY SALT POND RESTORATION PROJECT

John Bourgeois has served as Executive Project Manager for the South Bay Salt Pond Restoration Project since 2009. He has over 20 years of experience working on large-scale wetland restoration projects, including working as a restoration ecologist with the Bay Area ecological consulting firm H.T. Harvey and Associates, the USGS National Wetlands Research Center, the Louisiana Department of Natural Resources, and the Institute of Pacific Island Forestry. He has a B.S. in Biology from Tulane University and an

M.S. in Biology from the University of Louisiana at Lafayette



DANA BRECHWALD, METROPOLITAN TRANSPORTATION COMMISSION/ASSOCIATION OF BAY AREA GOVERNMENTS

Dana Brechwald is a Resilience Planner at the Metropolitan Transportation Commission/Association of Bay Area Governments in San Francisco. Dana works with local governments, professionals, community groups, and residents on hazard mitigation and long-term disaster recovery planning for the San Francisco Bay Area. She has designed and managed several projects aimed at increasing resilience to earthquake and climate

change hazards in the Bay Area, including a Soft Story Retrofit Program Development Policy Guidance Document and Model Ordinance, and the Stronger Housing, Safer Communities project, designed to assess the earthquake and flooding vulnerability of housing and residents and develop strategies to improve their resilience, now and as the region grows. She has also worked in partnership with FEMA, the EPA, the Bay Conservation Development Commission, and local jurisdictions on long-term recovery planning, multi-hazard vulnerability assessments, and integrating resilience into the General Plan.

Dana previously worked as a sustainability consultant, addressing issues such as climate change and sustainable energy systems. She has also worked with the Salvation Army and the City and County of San Francisco to develop disaster recovery guidelines and best practices. Dana currently serves as the Secretary/Treasurer and President-Elect of EERI's Northern California chapter and holds a B.A. in Architecture from University of California, Berkeley and Masters of Urban Planning from the Graduate School of Design at Harvard University. Her approach to resilience is holistic, multi-hazard, and multi-disciplinary, combining smart science with policy, and building capacity to enact change locally.



DR. RICK BOTTOMS, U.S. ARMY CORPS OF ENGINEERS

Dr. Rick Bottoms earned his Ph.D. in Agronomy/Plant Physiology/Ecology from the University of Missouri after obtaining a Master of Science in Agriculture//Engineering Agriculture and a Bachelors of Science in Animal Science. In 2017 Dr. Bottoms joined USACE South Pacific Division as Chief of the Regulatory Division for San Francisco District where he provides primary oversight and supervision of the Regulatory Program and is the command's principal regulatory advisor.

Prior to Army Corps SPD/SPN San Francisco Dr. Bottoms served as the Program Manager for Fire and Fuels and Forest Health Research and Director of Partnerships and Collaboration for the Pacific Southwest Research Station, US Forest Service. He served NAVFAC NAS Lemoore as the Installation Environmental Program Manager and served as the Remediation/IR Branch Head/Geologist and as NEPA/Natural Resource Specialist, for the

USMC Environmental Security program at Marine Corp Base, Camp Pendleton. Prior to his commitment to serve his country Dr. Bottoms was Associate Professor and Research Superintendent/Director for New Mexico State University, University of Missouri and the University of Wyoming. In his career's tenure, Dr. Bottoms distinguished himself as starting the first Extension Program in Indian Country providing the foundation for Congress providing 3-D funding across 58 reservations, served as research scientist, aquaculture and agronomy specialist. He has written a number of articles for publications, professional journals and presented at conferences around the world.



DENIS CUFF, FORMER REPORTER FOR THE BAY AREA NEWS GROUP

Denis Cuff has covered water, air pollution, wildlife and other environmental issues for the Bay Area News Group, which includes the East Bay Times and the Mercury News. He has covered that topic off and on for more than 35 years based in the East Bay with much of that time at the Contra Costa Times, which last year was merged with the Oakland Tribune and several other daily publications in Contra Costa and Alameda counties to form the East Bay Times. He has covered air pollution regulations affecting refineries and other businesses extensively. He also has covered both droughts in Gov.

Jerry Brown's first and second times in office. A Danville resident, he is a graduate of Stanford University with a B.A. in communications.



MATT GERHART, CALIFORNIA STATE COASTAL CONSERVANCY

Matt Gerhart is Program Manager for the San Francisco Bay Area Conservancy program of the California State Coastal Conservancy, where he helps to protect and enhance regional natural resources, improve public access to our open spaces and shorelines, enhance resiliency to climate change, and protect bay area working lands.

A geographer by training, Mr. Gerhart has over 18 years of experience in land conservation planning, coastal management, public access development, climate change policy and science. He is an agency lead for Bay Area efforts including the San Francisco Bay Restoration Authority, Baylands Ecosystem Habitat Goals, San Francisco Bay Joint Venture, and Delta Conservancy.



LARRY GOLDZBAND, SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION

Larry Goldzband joined BCDC as Executive Director in August 2012. Prior his appointment, Larry worked for members of both the U.S. House of Representatives and the U.S. Senate, was Chief Deputy Cabinet Secretary for former Governor Pete Wilson, and was Director of the California Department of Conservation. In the private sector, he managed Pacific Gas and Electric Company's charitable contributions program for over ten years and was Executive Director of the PG&E Corporation Foundation until July 2010. In the nonprofit sector, Larry was Policy Director for Efficiency First California prior to starting at BCDC. In addition, Larry

twice served as a BCDC Commissioner for a total of almost ten years. Larry received his undergraduate degree from Pomona College and his MBA from the Kellogg Graduate School of Management at Northwestern University.



AMY HUTZEL, CALIFORNIA STATE COASTAL CONSERVANCY

Amy Hutzel is a Deputy Executive Officer at the State Coastal Conservancy, which works to protect open space, increase public access and recreation, and restore wildlife habitats along the California Coast and in the Bay Area. She has a long history on San Francisco Bay restoration projects, including Hamilton Restoration, Napa River Salt Marsh and the South Bay Salt Ponds. She has chaired the San Francisco Estuary Partnership and the San Francisco Bay Joint Venture and is vice-chair of

Resilient by Design: Bay Area Challenge. She has a bachelor degree in urban and environmental planning from the University of Virginia. She worked as an educator at the San Francisco Bay National Wildlife Refuge, Kilauea Point National Wildlife Refuge, and Save The Bay prior to joining the Coastal Conservancy.



NIXON LAM, SAN FRANCISCO INTERNATIONAL AIRPORT

Nixon Lam is the Environmental Affairs Manager for San Francisco International Airport. Nixon manages the preparation of CEQA and NEPA environmental analyses for Airport construction projects; Obtain Federal, State and Local environmental permits; Plans, coordinates and directs off-airport compensatory wetland mitigation programs, and on-airport endangered and threatened species conservation planning activities; Manages biological support for the Airport's

Wildlife Hazard Management Program; Technical advisor on environmental permitting and regulatory compliance issues related to formulation of policy implementation strategies for Climate Change Adaptation and Sea Level Rise.



LESLIE LAZAROTTI, WRA, INC.

Leslie Lazarotti is a biologist and permitting specialist at WRA, Inc. Her main focus is helping clients understand the interface of California's environmental regulations and natural communities. She has worked on projects throughout the varied ecosystems of California, including sensitive coastal communities and wetland habitats. Prior to joining WRA, Ms. Lazarotti worked for San Francisco State University, San Francisco Estuary Institute, and the State Water Quality Resources Control Board as part of the 401 Water Quality Certification Program. She specializes in preparing multi-agency permitting approaches for redevelopment projects along San Francisco Bay,

infrastructure improvement projects, and open space and park projects with public access elements. Ms. Lazarotti is also one of WRA's foremost experts in California Coastal Zone requirement.



KEITH LICHTEN, SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD

Keith Lichten is chief of the Watershed Management Division at the San Francisco Bay Regional Water Quality Control Board, which manages work including the Board's creek and wetland fill and restoration, stormwater, and water recycling programs.

Keith received his Bachelor's in environmental engineering from MIT and completed a Master's in Landscape Architecture at UC Berkeley, studying environmental planning and green infrastructure. He is the incoming secretary of the American Society of Civil Engineers/EWRI Urban Water Resources Research Council.

**BRAD McCREA, SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION**

Brad McCrea is BCDC's Regulatory Director, overseeing the agency's permitting, enforcement, and sediment management efforts in and around San Francisco Bay. In this role, Brad balances BCDC's regional goals of enhancing the Bay's natural resources, maintaining a thriving economy, and maximizing outdoor shoreline opportunities for Bay Area residents. He joined BCDC's staff in 1998 and previously served as the Commission's Bay Development Design Analyst. Brad holds a Master of City Planning and a Master of Landscape Architecture from the University of California at Berkeley.

**JEFF McCREARY, DUCKS UNLIMITED**

Jeff McCreary is the Director of Conservation Programs for Ducks Unlimited's Western Region. His career spans over two decades of wetlands conservation with thousands of acres conserved. Jeff supervises a team of biologists and engineers implementing DU's on-the-ground wetland conservation activities in the nine western most states. Jeff received a bachelor's in wildlife biology from the University of California at Davis and a master's in wetland ecology from Duke University.

**PEGGY McNUTT, RESOURCES LEGACY FUND**

Peggy McNutt is a Program Officer at Resources Legacy Fund. Peggy develops and implements strategies and projects for Resources Legacy Fund's philanthropic programs. Previously, she worked for The Nature Conservancy, as managing director of the Central Coast Region and project director for the Lassen Foothills Project in Northern California. She also served as executive director of Delaware & Raritan Greenway and held several positions in New Jersey state government, including executive director of the Department of the Treasury, assistant to the governor, senior research associate for the Office of Legislative Services, and committee aide to the Senate Revenue, Finance, and Appropriations Committee. Peggy is a graduate of the California Agricultural Leadership Program.

**MARK NORTHCROSS, NHA ADVISORS**

Mark Northcross is a Principal at NHA Advisors. During a California public finance career that spans back to 1981, Mark Northcross has structured debt for nearly every kind of issuer and nearly every kind of revenue source legally available in the State.

Mark is a leader in California in negotiating both public-private partnerships for both land secured debt and redevelopment. He has negotiated public-private partnerships (P3) for the successful development of major mixed use projects throughout the State, including such diverse communities as Davis, Hemet, Mammoth Lakes, Palmdale, Rocklin, South Lake Tahoe, and West Covina. Since the early-1990s, Mr. Northcross has negotiated the restructuring and workout of nearly \$200 million in either defaulted or highly stressed municipal bond issues. He is also a leader in negotiating joint ventures between different public agencies – with notable success in putting together bond funded risk sharing programs for cities, counties, and school districts in California. In 1983, Mark developed the State's first pooled lease financing program for the Association of Bay Area Governments.



GARY OATES, ENVIRONMENTAL SCIENCE ASSOCIATES (ESA)

Gary Oates is the Client Service and Business Development Director at ESA. Mr. Oates leads various strategic initiatives at ESA and serves as a key technical advisor. He is also regularly engaged in direct client service, frequently directing and/or managing a variety of multidisciplinary environmental impact assessments for major and controversial waterfront and infrastructure development projects, natural resource management and restoration projects, and regulatory permitting strategies. He brings more than 38 years' experience working with the myriad of state and federal environmental statutes, regulations, and guidelines that affect development activities

in California.



KEN SANCHEZ, WRA, INC.

Ken Sanchez is a Senior Associate Biologist at WRA, Inc. Ken has a Bachelors of Science degree in Wildlife Biology from Humboldt State University. Ken worked for 30+ years for a variety of State and Federal government natural resource agencies including California Department of Fish and Game, US Forest Service with the US Fish and Wildlife Service. Ken has conducted research and monitoring on the impacts of timber harvest on a threatened and endangered species in California, Oregon, and Alaska. Ken has also studied the impacts of oil and gas development and coal mining to the prairie ecosystems in North Dakota and Montana. For over

20 years Ken was a manager in the Sacramento Fish and Wildlife Service Office and the administered Endangered Species Act for urban development, infrastructure, and energy development in the Sacramento and San Joaquin Valley as well as managing the conservation banking and the Endangered Species Listing programs. Currently Ken works for WRA Inc., specializing in endangered species permitting strategies and mitigation solutions.



RICHARD SINKOFF, PORT OF OAKLAND

Richard Sinkoff is the Director of the Division of Environmental Programs and Planning at the Port of Oakland. In this role, Mr. Sinkoff leads the Port of Oakland's environmental and regulatory compliance and development permit programs for the Seaport, Oakland International Airport and real estate portfolios.

In 2007-2009, Mr. Sinkoff directed the Port of Oakland's Maritime Air Quality Improvement Plan (MAQIP). In 2015, the Port's updated emissions inventory showed a 76% reduction in diesel particulate matter (DPM)

from maritime-related mobile sources. In 2010, Mr. Sinkoff led the development of the Port of Oakland 5-year Strategic Plan, which provided the framework for stability and growth at the Port of Oakland from 2010 through 2015. In 2017-2018, Mr. Sinkoff is leading the effort to update the MAQIP ("2020 and Beyond Plan.")

Mr. Sinkoff is the President of the Bay Planning Coalition, an Oakland-based industrial trade association that advances sustainable commerce, industry, infrastructure, recreation and the natural environment connected to the San Francisco Bay and its watershed.

Mr. Sinkoff is a graduate of Columbia University (BA, Urban Studies and Architecture History, cum laude) and UC Berkeley (Master of City Planning). He holds a juris doctor (JD) degree. He is fluent in French, German, Portuguese and Spanish. Mr. Sinkoff is an avid swimmer, cyclist, and skier. In November 2017, Mr. Sinkoff completed his first "duathlon" – a 1.2 mile open water swim followed by a 56-mile cycling race in Los Cabos, Mexico.

**ROBERT D. SPENCER, URBAN ECONOMICS**

Robert D. Spencer d/b/a Urban Economics has 30 years of experience providing economic and financial consulting services to local and regional public agencies throughout California. He has extensive experience developing long range infrastructure funding and financing plans that serve a community's revitalization, growth, and resiliency. He also assists with implementation of these plans, many of which require extensive private sector participation. He has been actively involved in Bay Area efforts to respond to sea level rise, focusing on the financial and regulatory challenges facing the implementation of adaptation plans and projects. He is project manager for the finance team supporting

Resilient by Design, a year-long collaborative design challenge to develop innovative solutions that strengthen the Bay Area's resilience to sea level rise.

**DILIP TRIVEDI, MOFFATT AND NICHOL**

Dr. Dilip Trivedi is a Principal with Moffatt & Nichol in the San Francisco Bay Area, where he has been practicing Coastal Engineering for about 25 years. He obtained his Graduate degrees from Texas A&M University, and Undergraduate degree from Bangalore University. He is on the Board of Directors of the Bay Planning Coalition and chairs the Sustainable Waterfronts Committee; he is also a key participant on the Resiliency Committee for the Port of San Francisco's Waterfront Land Use Plan Update.

His area of expertise is coastal engineering, specifically in the areas of redevelopment of urban waterfronts; dredging and sediment management; hydrodynamics and wetlands restoration; and flood mitigation and adapting to sea level rise. Dilip is an early design innovator in addressing sea level rise and is leading the sea level rise and public use planning for five of the largest urban waterfront redevelopment projects in the San Francisco Bay region. He has also played a significant role in some of the largest restoration projects in SF Bay including Bair Island, Bel Marin Keys, South Bay Salt Ponds, Cullinan Ranch, and Sears Point, many of which focused on the beneficial use of material dredged from navigation channels.

UPCOMING BPC EVENTS



2018

SPRING SUMMIT

 Bay Planning Coalition

BPC Spring Summit

Friday, May 11, 8:00 am to 2:00 pm
Oakland Scottish Rite Center

Registration and information available at: bayplanning.eventbrite.com

BPC MEMBER COMMITTEES

Dredging & Beneficial Reuse
Legislative & Regulatory
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Membership
Organizational Development
Sustainable Waterfronts
Resources & Infrastructure
Workforce Development

**Please contact us if you are interested in participating.
Committees are a great way to get more involved in our activities and advocacy.**

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