

**BPC WORKSHOP**  
**Dredging and Beneficial Reuse**

*Tuesday, October 18<sup>th</sup> | 9:00am – 12:45pm | Hybrid*

*In-Person: Elihu M. Harris State Building – Room 11 - 1515 Clay Street, Oakland, CA 94612*

*Virtual: <https://us02web.zoom.us/j/89288641918> | Webinar ID: 892 8864 1918*

**AGENDA**

**9:00 am**

**OPENING REMARKS & COMMITTEE UPDATES**

- **Jaclyn Gnusti**, Senior Managing Engineer, Anchor QEA and Vice President, Bay Planning Coalition Board of Directors
- **Josh Gravenmier**, Vice President, Arcadis, and Chair, Bay Planning Coalition Dredging and Beneficial Reuse Committee

**9:15 am**

**DREDGED MATERIAL MANAGEMENT OFFICE (DMMO) AGENCY UPDATES**

Moderator: **Josh Gravenmier**, Arcadis

Panelists:

- **Melissa France**, Senior Project Manager, *USACE - SF District*
- **Jennifer Siu**, Life Scientist Wetlands Section WTR 2-2, *USEPA - Region 9*
- **Steve Goldbeck**, Chief Deputy Director, *BCDC*

**10:00 am**

**BENEFICIAL REUSE SITE UPDATES**

Moderator: **Scott Bodensteiner**, Haley & Aldrich

Panelists:

- **Steve Carroll**, Cullinan Ranch and Skaggs Island Restoration Projects
- **Jessica Davenport**, Bel Marin Keys Unit V Wetland Restoration Project
- **Jim Levine**, Montezuma Wetlands Restoration Project
- **Barbara Salzman**, Tiscornia Marsh Restoration Project

**10:45 am**

**HOW TO GET MORE DREDGED MATERIAL**

Moderator: **Jan Novak**, Port of Oakland

Panelists:

- **Stu Townsley**, Deputy District Engineer for Project Management, *USACE - SF District*
- **Melissa Foley**, Program Managing Director & Senior Scientist, *SFEI / RMP*
- **Sonja Petek**, Principal Fiscal & Policy Analyst, *CA Legislative Analyst's Office*

**11:45 am**

**EXTERNAL PERSPECTIVE: ENGINEERING WITH NATURE**

- **Dr. Todd Bridges**, Senior Research Scientist & National Lead for Engineering with Nature®, *USACE*

**12:35 pm**

**CLOSING REMARKS**

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

## Participant Biographies



### **Scott Bodensteiner**

*Haley & Aldrich; BPC Dredging & Beneficial Reuse Committee Co-Chair*

Scott Bodensteiner is a Sediment and Water Resources Specialist with 20 years of experience managing projects involving applied environmental sciences related to regulatory compliance and investigation for navigation and remediation dredging, wastewater discharges and habitat restoration and construction projects of varying size and complexity. Scott has expertise in designing and implementing water and sediment quality investigations, dredged material management planning, and dredge permitting with an emphasis on environmental toxicology, ecological risk assessment, biostatistics, sediment contaminants, TMDL support, and habitat restoration planning and monitoring. Scott received a B.S. in Environmental Toxicology from U.C. Davis, and an M.S. from San Diego State in Environmental Health Sciences.



### **Dr. Todd Bridges**

*U.S. Army Corps of Engineers – Engineering with Nature Initiative*

Dr. Todd Bridges is the U.S Army's Senior Research Scientist for Environmental Science. His responsibilities include leading research, development and environmental initiatives for the U.S. Army and U.S. Army Corps of Engineers (USACE).

Dr. Bridges is the National Lead for USACE's Engineering With Nature initiative, which includes a network of research projects, field demonstrations, and communication activities to promote sustainable, resilient infrastructure systems.

His primary areas of research activity at the U.S. Army Engineer Research and Development Center concern 1) the science and engineering of sustainable infrastructure development, 2) the development of risk and decision analysis methods applied to water resources infrastructure and environmental systems, and 3) the assessment and management of environmental contaminants.

Dr. Bridges also serves as the Program Manager for the USACE Dredging Operations Environmental Research (DOER) program and the Director of the Center for Contaminated Sediments and serves as Chair of the Environmental Commission in the World Association for Waterborne Transport Infrastructure (PIANC), which is headquartered in Brussels, Belgium.



### Steve Carroll

*Ducks Unlimited*

Steve Carroll is the supervising engineer for Ducks Unlimited's projects in the San Francisco Bay Area and coastal California. He was fundamental in the growth of the program and founded and supervises the Bay Area office and engineering services. He has over 20 years of engineering and restoration experience within the environmental field and has been directly responsible for the engineering design and construction of over 40,000 acres of seasonal and tidal wetland restoration and enhancement projects totaling \$60 million in project funding agreements. Complementary to his restoration experience, Steve has designed and implemented fisheries projects including fish screens and ladders, has extensive experience with marine construction and the delivery of tidal restorations in shallow water environments, and with the design and implementation of ADA public use facilities. He has a strong project and construction management background, and has successfully delivered numerous wetland restoration projects of varying scope, size and complexity. Steve has also been the lead on the majority of Ducks Unlimited's dredging and beneficial reuse projects.



### John Coleman

*Bay Planning Coalition*

John Coleman is the Chief Executive Officer of the Bay Planning Coalition, a non-profit, public benefit, membership corporation, to advocate for the balanced regulation and use of Bay-Delta resources to ensure that commerce, recreation and the environment thrive in the region. The Coalition's members represent a broad spectrum of public and private Bay-Delta entities, including ports, maritime and shoreline industry, labor unions, local government, residential and commercial builders, recreational users and engineering, planning, environmental science, construction and legal professionals.

Coleman was elected in 1990 and since re-elected to the Board of Directors of the East Bay Municipal Utility District (EBMUD). Coleman was elected to serve as the President of the Association of California Water Agencies (ACWA) in December 2013. Coleman currently serves in the following capacities: Board Member of the Marine Exchange of the San Francisco Bay Region; member of the Freeport Regional Water Authority (FRWA); Chair of the Upper Mokelumne River Watershed Authority (UMRWA); Board Member of the East Bay Leadership Council; member of the San Francisco Bay Restoration Authority Advisory Committee; member of the East Bay Economic Development Alliance Legislative Committee, and Board Member of DERWA, the joint powers authority for recycled water service provided by EBMUD and the Dublin-San Ramon Services District.



### Jessica Davenport

*California State Coastal Conservancy*

Jessica Davenport supports the creation of resilient landscapes for people and nature in the San Francisco Bay Area as Deputy Program Manager for both the California State Coastal Conservancy's Bay Area Program and the San Francisco Bay Restoration Authority. Her work focuses on funding shoreline habitat restoration projects and related flood protection and public access in the San Francisco Bay Area while centering equity in the grant making process. Prior to joining the Conservancy in 2016, she promoted ecosystem restoration and wise land use as a program manager at the Delta Stewardship Council; before joining the Council, she worked on Bay-Delta water policy, climate change adaptation and wetland restoration as a planner and permit analyst at the San Francisco Bay Conservation and Development Commission.



### Melissa Foley

*San Francisco Estuary Institute (SFEI)*

Melissa Foley is the Managing Director for the San Francisco Bay Regional Monitoring Program. She has been involved in multiple long-term monitoring programs in coastal and marine habitats for over twenty years. She also has extensive experience working in interdisciplinary teams, including scientists, lawyers, decision makers, tribal members, and stakeholders on a wide range of topics, including water quality, wildfire, dam removal, cross-habitat connectivity, ocean acidification, cumulative effects, and ecosystem-based management. Melissa received her B.S. from Oregon State University and her PhD in Ecology from the University of California Santa Cruz.



### Melissa France

*U.S. Army Corps of Engineers – San Francisco District*

Ms. Melissa France has served as a senior project manager with the Army Corps of Engineers, San Francisco District since 2020. Melissa has 7 years of experience with USACE, including 5 years working in the Sacramento District, Regulatory Division. She has experience with determining wetland jurisdiction, evaluating permit applications under Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act, including compliance and enforcement actions and served on mitigation bank interagency review teams. As member of the DMMO, Melissa brings her regulatory expertise to aid in the evaluation of dredge permit applications. Ms. France graduated from California State University-Sacramento with a Bachelor of Science in Geology and served 6 years in the United States Navy.



### Jaclyn Gnusti

*Anchor QEA; BPC Board of Directors Vice-President*

Jaclyn Gnusti is a senior managing engineer with Anchor QEA, LLC, in San Francisco. With over 25 years of experience, she has specialized in the planning, design, cost estimating, contracting, and construction support of dredging projects. Her work has spanned the Gulf Coast, New York, British Columbia, and Africa; however, her core dredging focus has been the dynamic and complicated environment of the greater San Francisco Bay Area. Her regional project experience ranges from deepening and new work planning of very large deep-water ship channels to maintenance dredging of small shallow-water marinas and channels. Through her roles within the BPC organization, her focus has been to develop and support regional initiatives that balance both environmental and economic responsibility.



### Steve Goldbeck

*San Francisco Bay Conservation and Development Commission (BCDC)*

Steve Goldbeck is the Chief Deputy Director at the San Francisco Bay Conservation and Development Commission (BCDC), where he oversees the Commission's staff, with a particular portfolio for climate change and sea level rise adaptation programs; serves as the Commission's legislative coordinator and liaison to other governmental agencies; and oversees the Commission's implementation of the Long Term Management Strategy (LTMS) for San Francisco Bay dredging and the Commission's involvement in the CALFED Bay-Delta program.

Mr. Goldbeck holds a Bachelor of Arts in Environmental Planning and Public Policy from the University of California at Santa Cruz. He has been on BCDC's staff since 1985 where he has specialized in policy and management of technical planning issues, including water quality, sediment management and climate change. He was promoted to a Career Executive position in 1992.

Mr. Goldbeck has been the Commission's lead staff member on dredging issues for over fifteen years. He has served as Cochairman of the San Francisco Estuary Project's Dredging and Waterway Modification Committee, Manager of the LTMS reuse/upland studies, and Chair of the LTMS Reuse/Upland Work group. He co-authored the section of the Estuary Project's Comprehensive Conservation and Management Plan on dredging and waterway modification and oversaw the 2007 update. He was a principal architect of the interagency LTMS program and Management Plan, including the creation of the award-winning Dredged Material Management Office (DMMO), and served as the Commission's project manager for the Hamilton Wetlands Restoration Project.





### Josh Gravenmier

*Arcadis; BPC Dredging & Beneficial Reuse Committee Co-Chair*

Mr. Gravenmier is a Vice President with Arcadis in the Roseville, CA office. Josh has more than 31 years of sediment/dredging experience in the San Francisco Bay Area. Some of his dredging credentials include chairing the Dredging and Beneficial Reuse committee for the Bay Planning Coalition and he is an active participant in the RMP Sediment Working Group as well as the RMP Exposures and Effects Working Group. He specializes in large, complex, multi-stakeholder sediment and water quality investigations, dredging programs, beneficial reuse of dredged material, wildlife and natural resource management programs, environmental permitting, ecological risk assessments, bioassay and toxicity studies, and emergency response. Josh received his undergraduate degree in Soil & Water Science from U.C. Davis and his masters in Environmental Management from the University of San Francisco.



### Jim Levine

*Montezuma Wetlands*

Jim Levine is a San Francisco Bay Area entrepreneur with a UC Berkeley graduate degree in environmental engineering. Jim started his career as an engineer and emergency response commander with the State of California, working on over 200 emergencies, on the region's first Superfund sites and leading major treatment plant field operations and recovery.

Twenty years ago, Jim began the Montezuma Wetlands project, helping to pioneer the use of dredged sediment to accelerate the restoration of tidal wetlands and other habitats. Through sponsorship of congressional amendments, the company has influenced federal policy on dredging, wetlands and funding around the country. Montezuma now owns the dominant dredged sediment disposal site in the Bay Area (3,700 acres in Solano County), which has since successfully received over 8 million cubic yards of sediment while readying the first 600-acres of wetlands for tidal restoration. That project involved complicated salinity and contaminant modelling, water rights, and a full suite of local, regional, state and federal permits.

Jim also served as the California Legislature's appointed Commissioner to the San Francisco Bay Conservation and Development Commission, and as a regional Commissioner working for the US Congress on the closure of military bases in the 1990s and early 2000s. Jim served as a Trustee for the Oakland Children's Hospital when it merged into the University of California system, and was a long-time advisory board member for UC Berkeley's College of Engineering. Jim helped to fund after-school programs for at-risk kids and helped fund the UC Berkeley women's softball field in Strawberry Canyon. Jim serves on the Executive Committee of Bay Area Council, which represents the 375 largest employers in the San Francisco Bay Area.



### Jan Novak

*Port of Oakland; BPC Dredging & Beneficial Reuse Committee Co-Chair*

Jan Novak is a professional wetland scientist who works as an associate environmental planner/scientist with the Port of Oakland. He is responsible for permitting water-based projects and dredging. He recently managed the Port's AB 691 Sea-Level Rise analysis. Prior to starting at the Port, he worked for 16 years at several environmental consulting firms. He studied soil science at California Polytechnic State University, San Luis Obispo.



### Sonja Petek

*California Legislative Analyst's Office*

Sonja Petek is a Principal Fiscal and Policy Analyst at the Legislative Analyst's Office (LAO) of the California State Legislature. She covers water systems, water quality, flood control, Delta-related programs, coastal programs, and wildlife and conservation. Her previous LAO assignment from 2016 to 2022 included public health, emergency medical services, and developmental disabilities services. Prior to the LAO, Sonja was a Research Associate at the Public Policy Institute of California. Sonja holds a Master of Public Policy degree from UC Berkeley and a Bachelor of Arts degree in political science from Stanford University.



### Barbara Salzman

*Marin Audubon Society*

Barbara Salzman has lived in California since 1968 with her periodontist husband, Jay and her son, Noah, also living in the Bay Area as a Veterinarian. She received her BA from Rosemont College and a Master of Social Work from the University of Pennsylvania. Prior to moving to California, Barbara was employed as a Psychiatric Social Worker in a state psychiatric hospital in Pennsylvania and at a private Child Guidance Clinic and school for disturbed children, Devereaux. Barbara began conservation work in 1974 with Marin Audubon's Conservation Committee which advocates for the protection of birds, wetlands and other habitats. For more than 20 years, Marin Audubon Society has been a sponsor of habitat restoration and habitat acquisition projects and she has managed most of these projects.



### Jennifer Siu

*United State Environmental Protection Agency – Region 9*

Jennifer Siu is a senior ecologist at EPA Region 9. She serves as a regulatory expert for CWA Section 404 and the Marine Protection Research and Sanctuaries Act. She is the R9 lead for championing beneficial reuse of dredged sediment for restoration as a critical climate resiliency action. She serves on numerous interagency teams for wetland restoration and sediment management; in the SF Bay, she is the EPA program manager for the LTMS (Long-term Management Strategy for Sediment) and a member of the regulatory Dredged Material Management Office (DMMO). Jennifer has 24 years' experience in aquatic system characterization and management including bio- and sediment monitoring, rapid ecological assessment, wetland jurisdiction, compensatory mitigation analysis, and NEPQ/CEQA compliance.



### Stu Townsley

*U.S. Army Corps of Engineers – San Francisco District*

Stu Townsley is the Deputy District Engineer for Project Management for San Francisco District. He is responsible for the delivery of the District's Planning, Construction and O&M Civil Works, Military and Interagency and International Services projects in addition to oversight of the Clean Water Act Regulatory program.

He was the Chief of Operations and Regulatory for the South Pacific Division, a \$220M annual program. He oversaw Corps operations and maintenance at 27 federal ports & harbors, 46 dams & reservoirs, 2,300 miles of federal levees, and 211 recreation areas with 16 million annual visits. The Regulatory program processes over 8,300 annual permit applications actions. He also led a national team revamping budget development protocols for approximately \$3B in annual O&M appropriations.

From 2009-2015 he served as the Flood Risk Program Manager. His duties included integration of flood risk activities across Corps Communities of Practice and with outside agencies and stakeholders. He also served as the Flood Risk Business Line Manager, and the Regional Asset Manager. Other duties included participation in Climate Change Adaption, and several USACE Infrastructure Strategy project teams.

Previously he was Chief of Water Management for Sacramento District from 2005 to 2008. Sacramento Water Management is responsible for directing water operations at 17 Corps dams and overseeing partner flood operations at an additional 28 Section 7 dams in California, Utah and Colorado.

Prior to joining the Corps in 2001 and after attending grad school at UC Davis from 1997-1999, he worked as a hydrologist for David Ford Consulting Engineers. Significant duties included developing a digital version of the Sacramento County drainage manual and working on automated flood warning systems in Montana, Kansas, Missouri, Texas and California.

Mr. Townsley also spent several years working as IT specialist for the Washington State Legislature. During his time at the Legislature, he worked on transitioning the bill making process from paper-based to web-based and developed databases and security protocols.





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