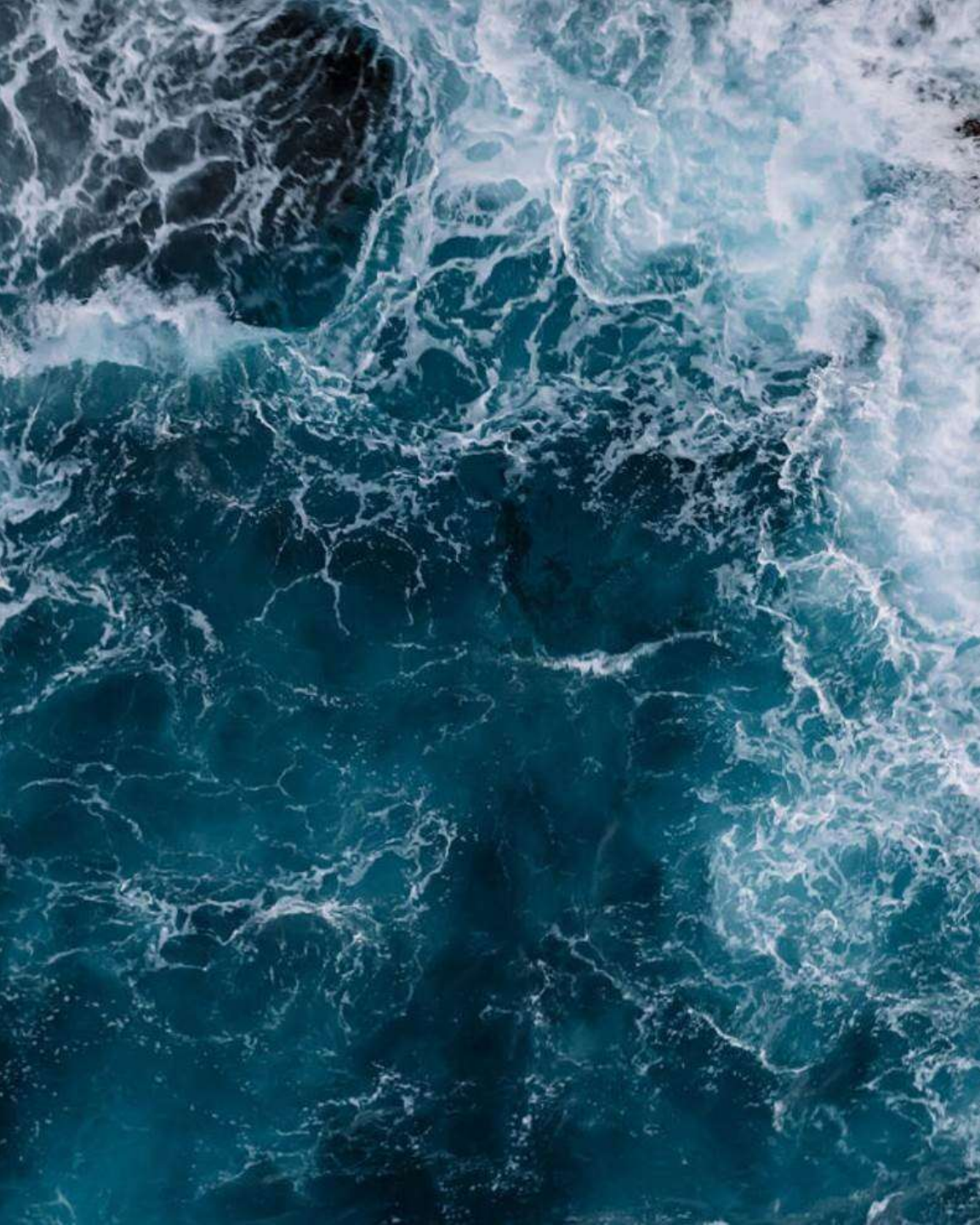


Opening Remarks & BPC Dredging Committee Updates



Josh Gravenmier

ERM



EVENT

Let's Make Waves at the Bay Planning Coalition's Annual Dredging & Beneficial Reuse Workshop

DATE: 31 October 2023

LOCATION: Oakland, CA



Happy Halloween!



1999

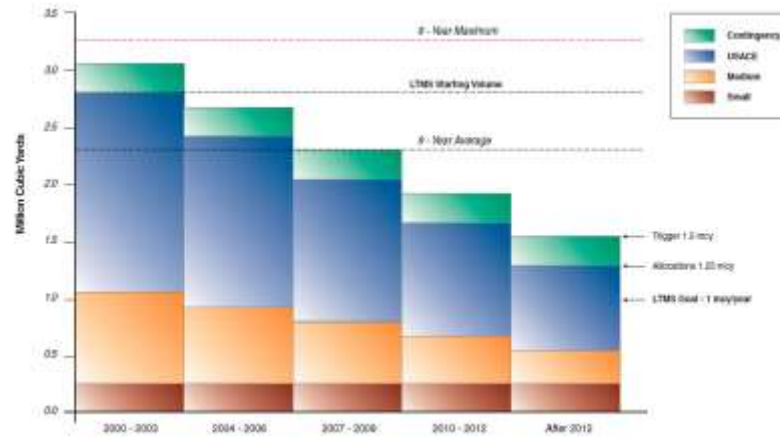
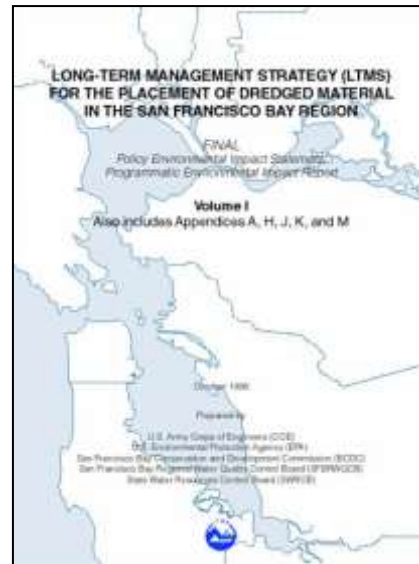


2013

The Elephant in the Room



1999



2013

A Call For Action



**Lessons Learned and Looking
Towards the Future – Will Travis**

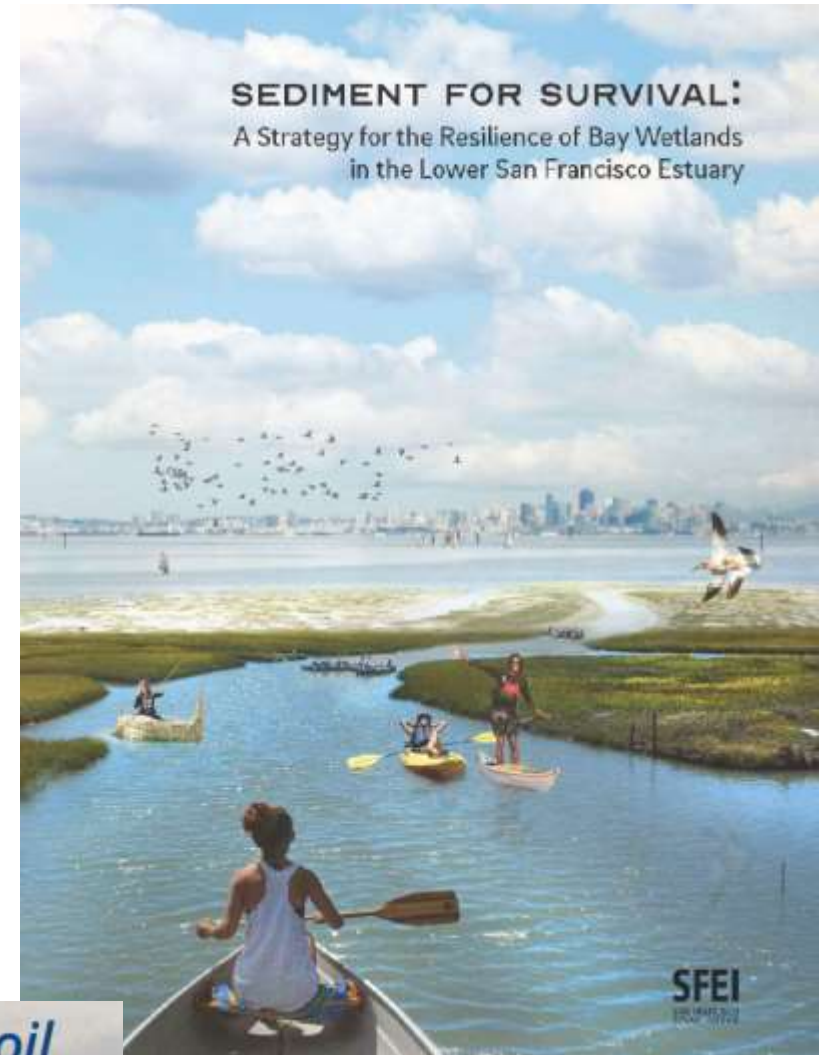
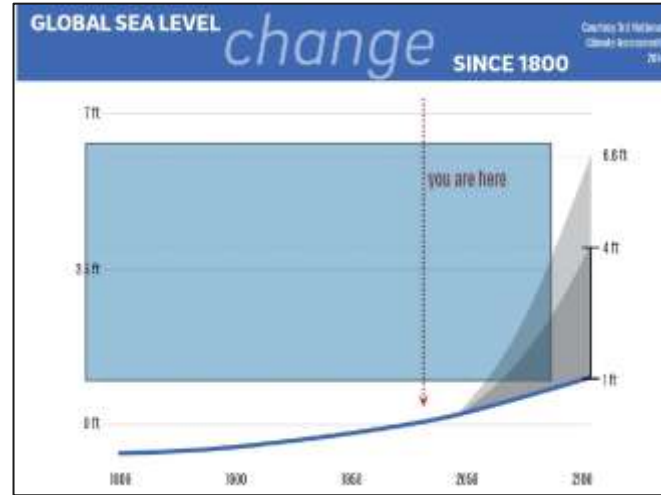
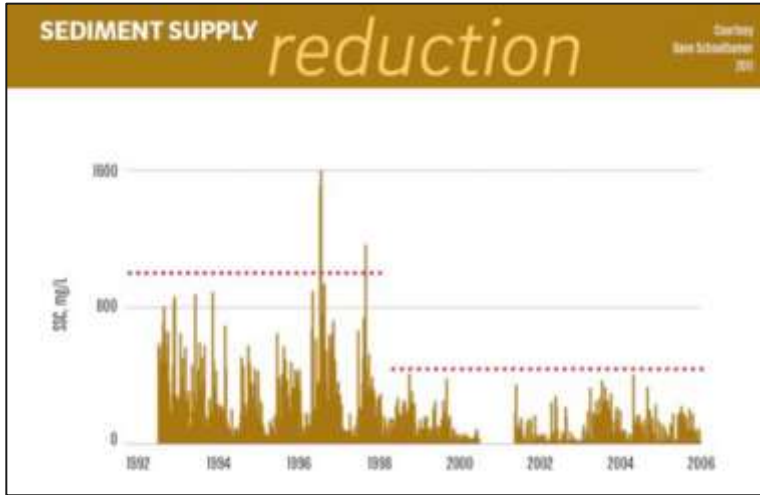


BPC Workshop: Challenges & Opportunities to Dredging and Beneficial Reuse

November 4, 2014
9:00 AM - 12:00 PM
URS Corporation Offices
1333 Broadway, 8th Floor
Oakland, CA 94612

8:30 – 9:00	Registration
9:00 – 9:05	<u>Welcome and Introductions</u> John Coleman, <i>CEO, Bay Planning Coalition</i>
9:05 – 9:20	<u>The Disconnect Between Costs and Logistics</u> Jim McNally, <i>Manson Construction Company</i>
9:20 – 10:45	<u>Panel: “Challenges & Opportunities to Dredging & Beneficial Reuse”</u> - <i>Moderator: Josh Gravenmier, ARCADIS</i> <ul style="list-style-type: none">▪ Beth Huning, <i>San Francisco Bay Joint Venture</i>▪ Cynthia Fowler, <i>U.S. Army Corps of Engineers</i>▪ Jim McGrath, <i>BCDC and SFRWQCB Commissioner</i>▪ Steve Goldbeck, <i>BCDC</i>▪ Pascha McAlister, <i>Chevron</i>▪ Amy Hutzler, <i>Coastal Conservancy</i>▪ Steve Carroll, <i>Ducks Unlimited</i>
10:45 – 11:00	<u>Break</u>
11:00 – 11:45	<u>Panel Discussion and Audience Q&A</u>
11:45 – 12:00	<u>Lessons Learned and Looking Towards the Future</u> Will Travis, <i>Consultant and former Executive Director of BCDC</i>
12:00	<u>Adjourn</u>

A Call For Action



“Between 450 and 650 million cubic yards of sediment and soil would be needed to restore and sustain the Bay’s wetlands in the face of sea level rise through 2100.” -- San Francisco Estuary Institute Sediment for Survival Report (2021)

Bottom Line Up Front

- You are not alone. There is little unique in your problems that are not seen across the country.


U.S. ARMY

Engineering With Nature: Innovating for a More Resilient and Sustainable San Francisco Bay

Dr. Todd S. Bridges
Senior Research Scientist (ST), Environmental Science
National Lead, USACE Engineering With Nature®
Todd.S.Bridges@usace.army.mil

SF Bay Planning Coalition:
Dredging and Beneficial Reuse Workshop
18 October 2022




Engineering With Nature
N-EWN


US Army Corps of Engineers


ERDC
ENGINEERING RESEARCH AND DEVELOPMENT CENTER

- If you want to make progress in beneficial reuse, frame everything you do on the economics of sediment management. And what I mean by that is both sides of the economics – the costs and the benefits, that is the key to you making progress. That is not to say that the science is not important but that the science needs to be framed by the economics of sediment management.

A Call For Action



Engineering with Nature – Dr. Todd Bridges

- The goal should be 100% beneficial reuse – period! If you are not establishing a goal that you have to reach for then you are not doing yourself justice. If that is that target – what are the transformational things to do to get there, not pick around the edges to carve a nickel off our dredging costs. No – that won't do it for 100% beneficial reuse. Lots of folks would have to do things differently.
- Federal Standard also includes that things need to be consistent with sound engineering practices – I would suggest to you that disposal of dredged material is not consistent with that.
- If you can organize and condense your case examples to a value statement, then you can attract resources to your program.
- You need to be exploring the full spectrum of beneficial reuse opportunities.
- Partnership is the key to moving forward on projects.
- You have to be willing to try new stuff. You will not move forward without risk and sometimes failure, but without it there will be no innovation.
- You can not accept that beneficial reuse is always going to be more expensive – there are plenty of examples where it is the same cost or less.
- **You have to take action now – you need to think revolutionary and not incremental. The time for incremental is over.**

BPC Staff Liaison

- *Cameron Carr*

Subcommittees

- Long-Term Management Strategy (LTMS)
 - *Josh Gravenmier*
- SFEI Regional Monitoring Program
 - *Scott Bodensteiner*
- Dredging Legislation and Policy
 - *Jan Novak*

BAY PLANNING COALITION

- A broad and diverse coalition providing expert advocacy and facilitation to advance a strong economy that supports a sustainable environment within the San Francisco Bay and its watershed.
- Networking, Advocacy, Education

DREDGING & BENEFICIAL REUSE COMMITTEE STRATEGY

- Support regular dredging of critical waterways
 - Make the public, economic, and scientific case related to the benefits of dredging and beneficial reuse in California
 - Advocate for state and federal funding
 - Participate in dredge-related science through the SFEI Regional Monitoring Program

Dredging and Beneficial Reuse Committee

2023 Highlights

BPC Staff Liaison

- *Cameron Carr*

Subcommittees

- Long-Term Management Strategy (LTMS)
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BPC Committee Meetings

- February 7, 2023
- April 18, 2023
- July 18, 2023


Stakeholder Engagement

- LTMS Program Managers
- RMP
- Port of Oakland
- Etc.



Dredging and Beneficial Reuse Committee

2023 Highlights – Guest Speakers

- **Brenda Goeden (BCDC) – February**
 - Initial BCDC Commissioner Sediment & Beneficial Reuse Working Group Meeting Recap
- **Kevin Lunde (SFRWQCB) – April**
 - Q&A Session on various topics (including allocations) 
- **Maya McInerney/Erik Buehmann (BCDC) – July**
 - BCDC Presentation on Beneficial Reuse & Sediment Roadmap Project for Wetland Adaptation
 - Are there ways we can think about dredging differently to support sediment for wetland adaptation/restoration for SLR?
 - How could changes in sediment management policies impact you?
 - What issues do dredging stakeholders foresee with increased beneficial reuse?
 - BPC engagement is part of the stakeholder process to develop a roadmap for the region to make it easier to address sediment placement issues.
- **Xavier Fernandez (SFRWQCB) – July**
 - Summary of various initiatives and levers within the current LTMS framework (floating percentiles, hydraulic dredging, thin layer placement, beneficial reuse as mitigation) and how that could potentially fit into potential future Bay Plan/Basin Plan amendments



Thank you

Josh Gravenmier, Partner

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