

EVENT OPENING: COMMITTEE UPDATES & PROGRAMMING OVERVIEW



Josh Gravenmier

Environmental Resources
Management (ERM)

SPEAKER

EVENT



Bay Planning Coalition: Dredging & Beneficial Reuse Workshop

DATE: 9 October 2025

LOCATION: Oakland, CA



Dredging and Beneficial Reuse Committee

BPC Staff Liaison

- *Cameron Carr*

Committee Chair

- *Josh Gravenmier*

Subcommittees

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



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

CA Sea Level Rise Guidance

<https://opc.ca.gov/wp-content/uploads/2024/05/California-Sea-Level-Rise-Guidance-2024-508.pdf>

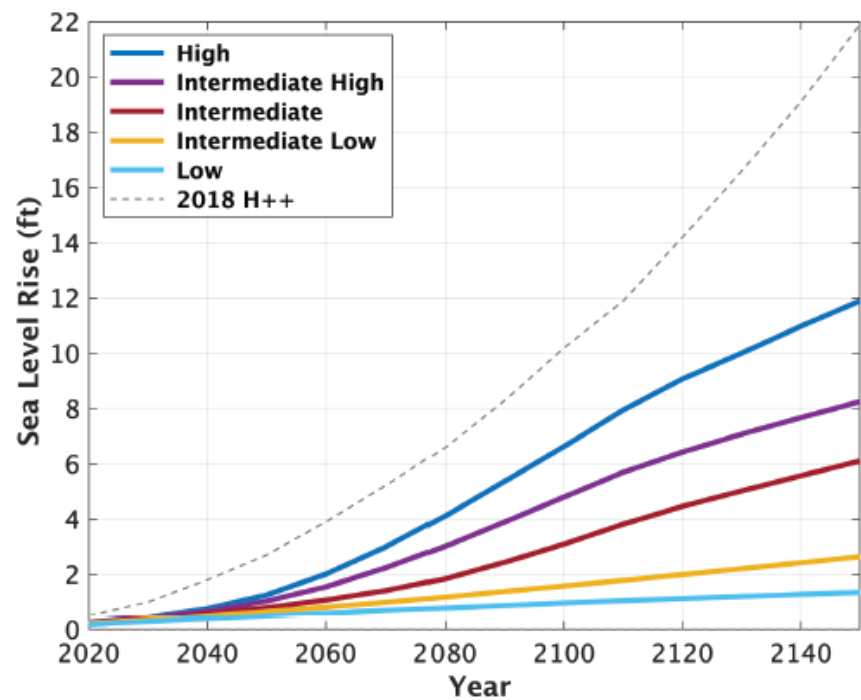
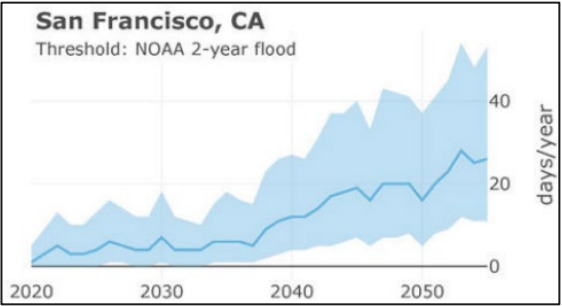
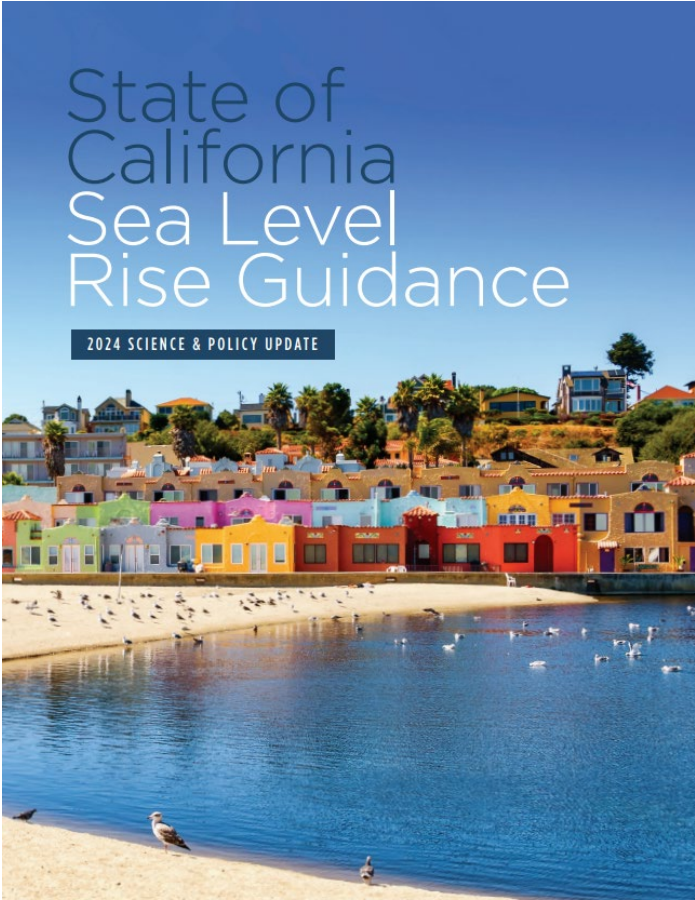


FIGURE 2.3. Sea Level Scenarios from 2020 to 2150, in feet, with a baseline of 2000. For comparison, the H++ from the 2018 California Sea-Level Guidance is included illustrating that this scenario is above scientifically plausible sea level rise for all dates.

By 2050, almost every California tide gauge location has a greater than 50% chance – and most have a greater than 75% chance – of experiencing at least one year with 30 minor high-tide flooding days and at least a single month with 10 minor high-tide flooding days. Impacts associated with these minor but increasingly frequent flooding events, such as a brief disruption to transportation systems and economic activity, will have cumulative impacts that can be greater than infrequent extreme events.⁴²



- “Minimum Planning Targets”:
- 3.5 feet at 2050
 - 6.0 feet at 2100

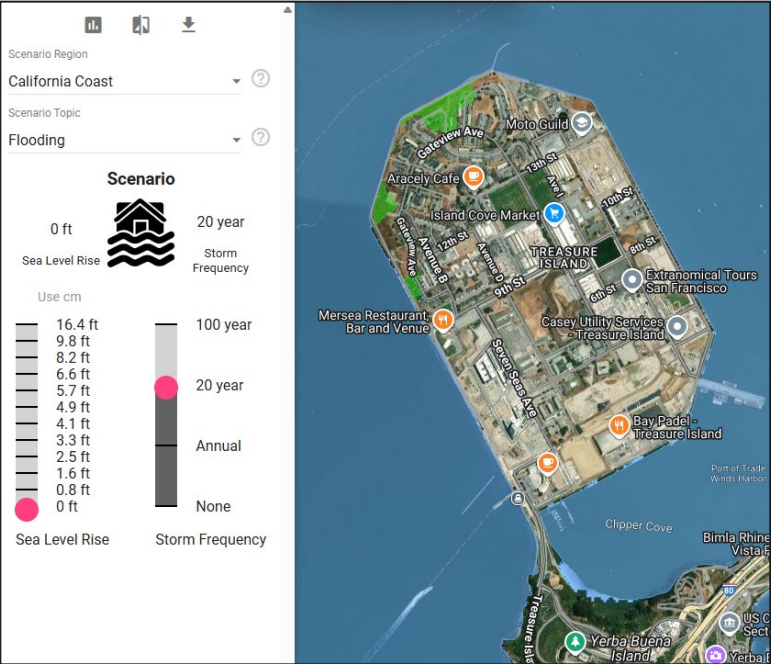


Sea Level Rise



<https://ourcoastourfuture.org/hazard-map/>

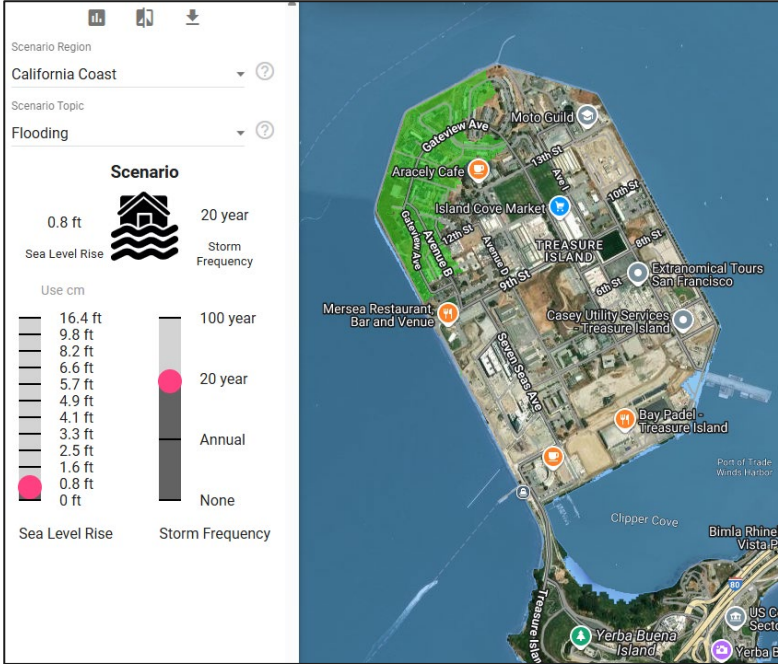
Current



Flood-prone Low Lying



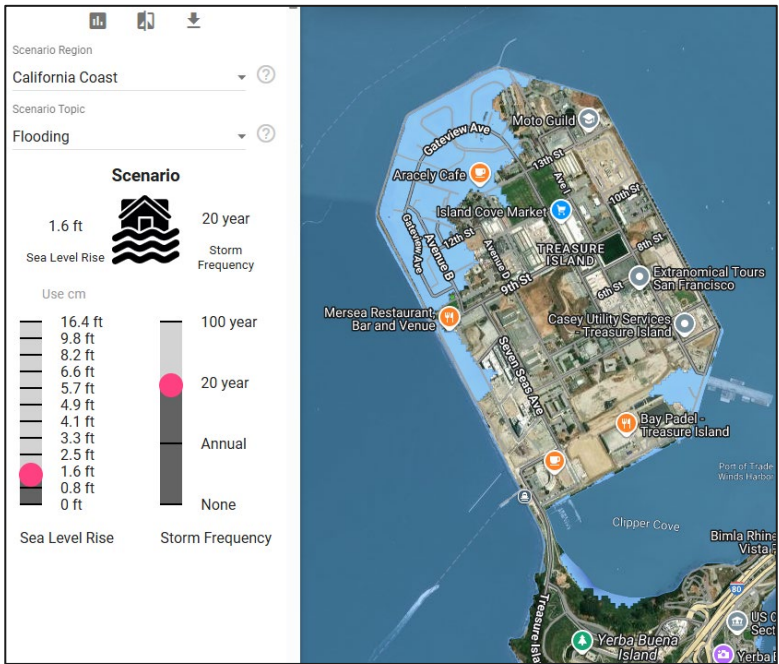
+0.8 feet



Flood Extent



+1.6 feet

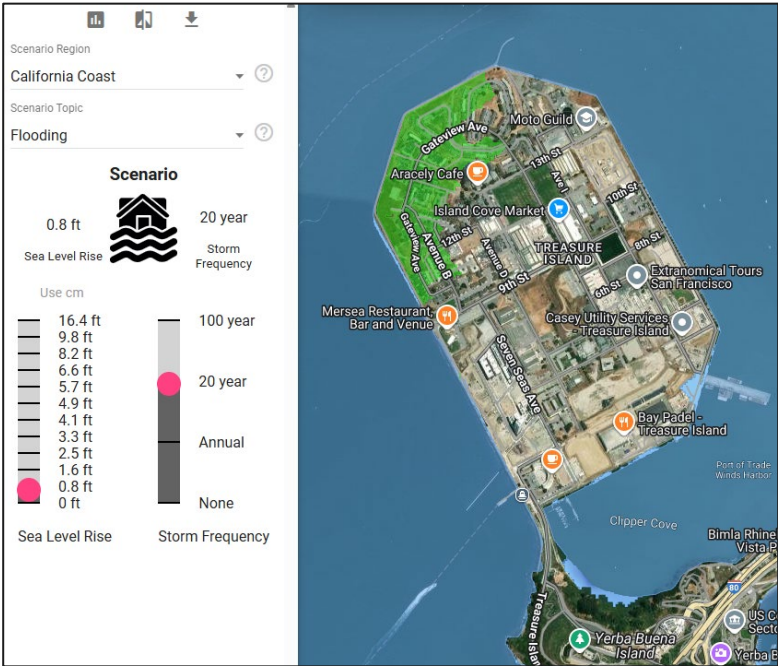


Sea Level Rise + Other Stuff



<https://ourcoastourfuture.org/hazard-map/>

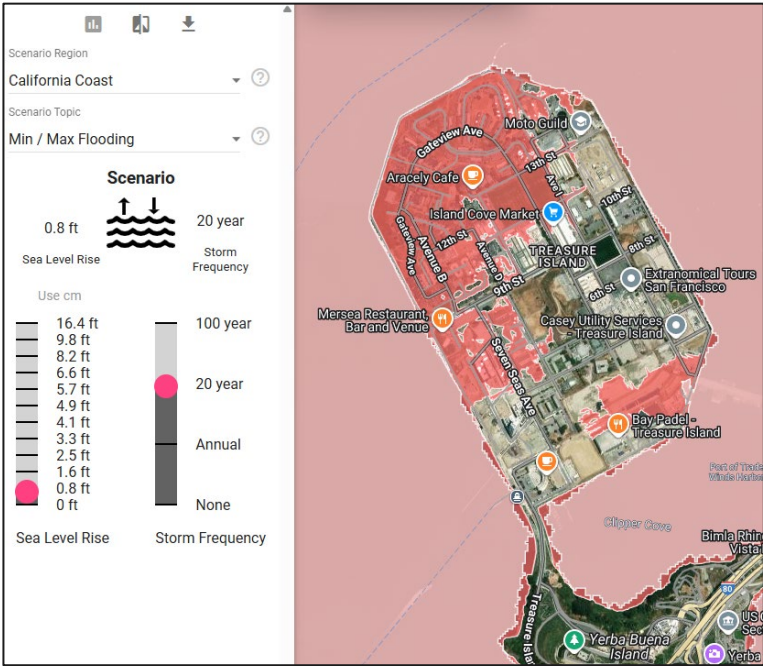
+0.8 feet



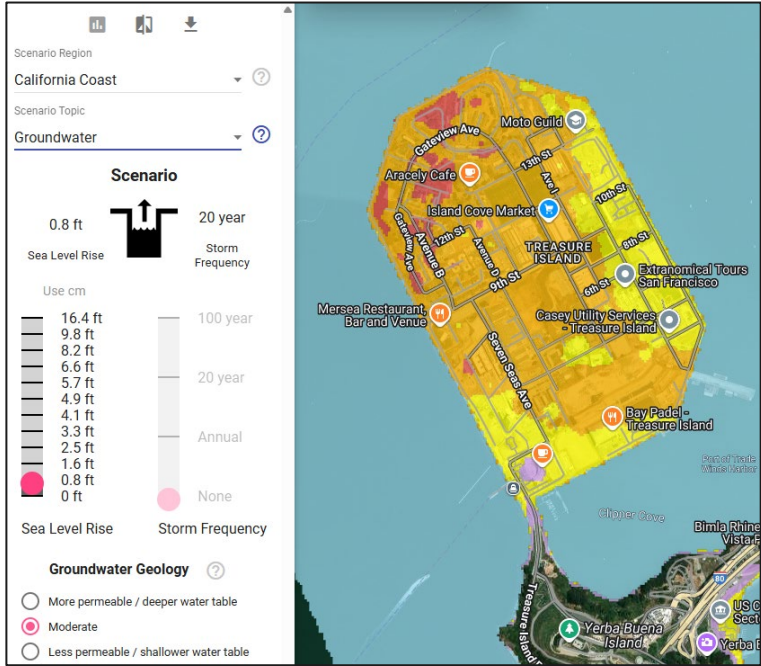
Flood-prone Low Lying



Flood Extent



Maximum Flooding



Groundwater Hazard

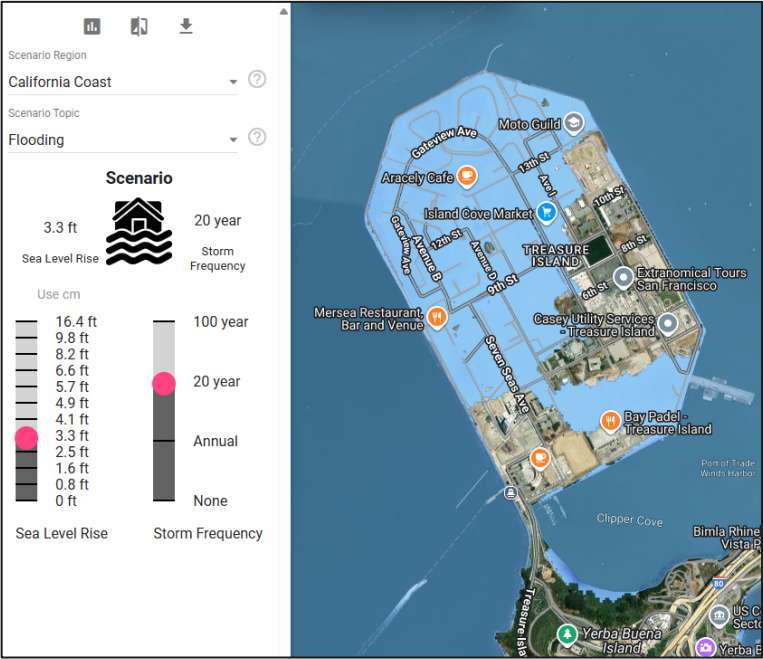
- Marine Inundation (MHHW sea level)
- Water Table at Surface (Emergent)
- Water Table Between 0-1m Depth (Very Shallow)
- Water Table Between 1-2m Depth (Shallow)
- Water Table Between 2-5m Depth (Moderate)

Sea Level Rise +



<https://ourcoastourfuture.org/hazard-map/>

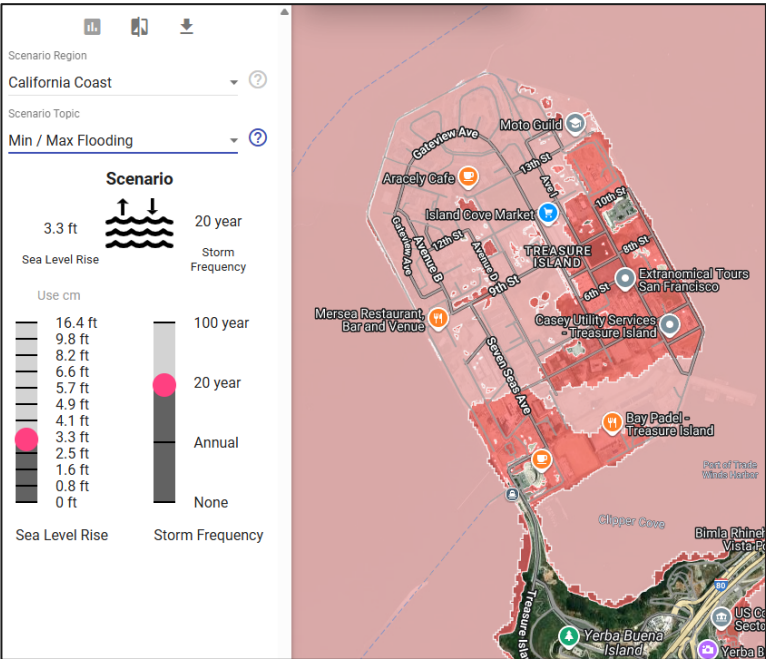
+3.3 feet



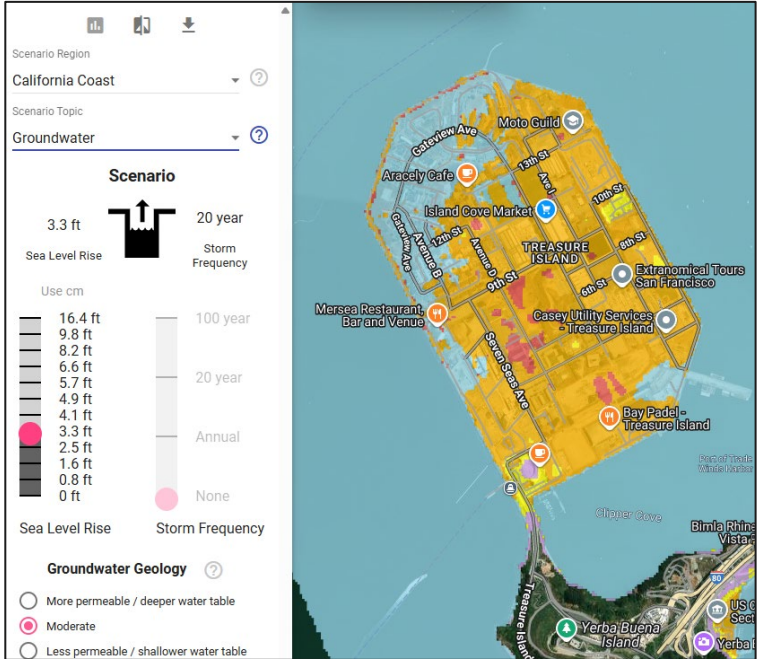
Flood-prone Low Lying



Flood Extent



Maximum Flooding



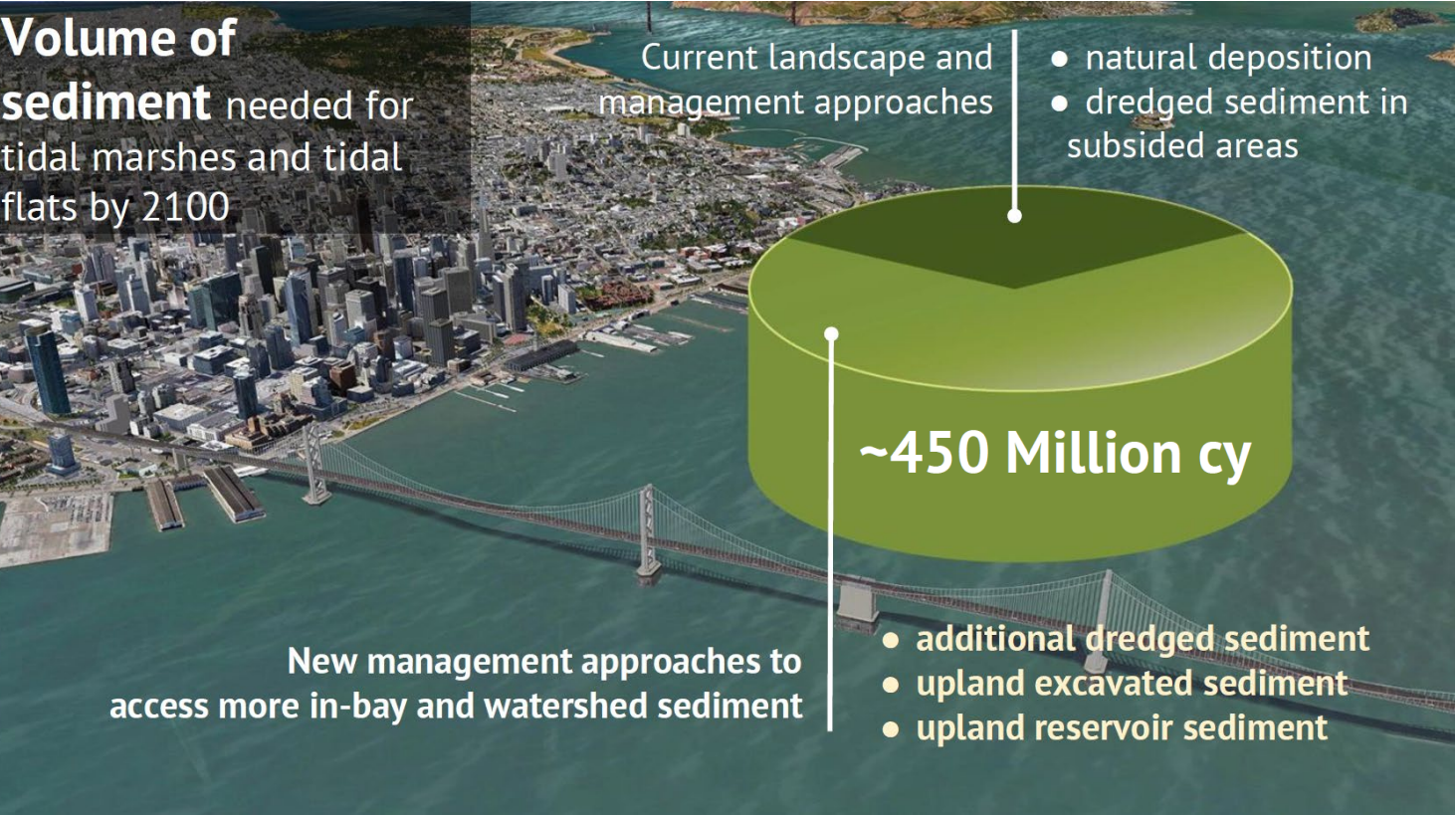
Groundwater Hazard

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Sediment for Survival

2021

Volume of sediment needed for tidal marshes and tidal flats by 2100





- A Call to Action -

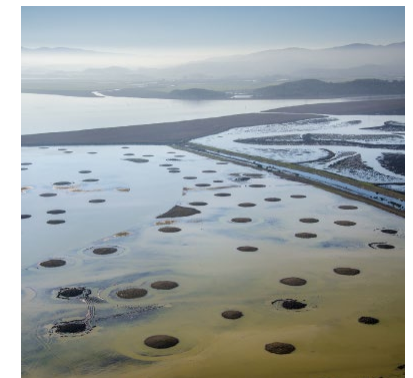
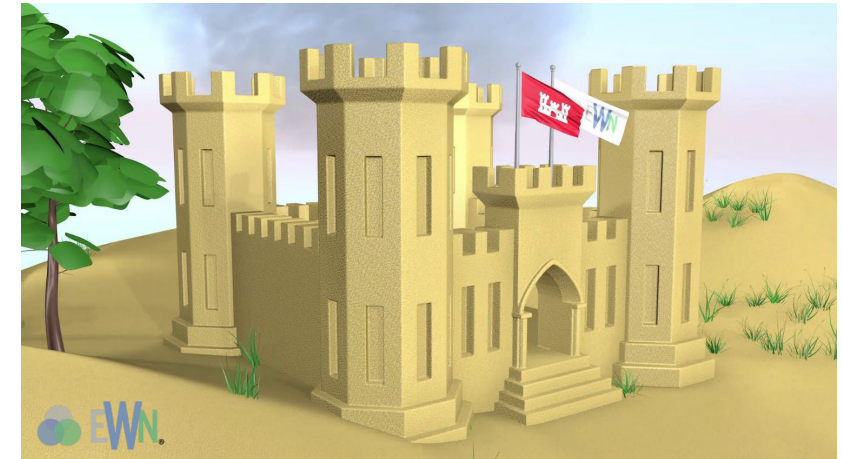
An Imperative for the 21st Century: 100% Beneficial Use of Dredged Sediment

2022

Beneficial Use Innovation: *There's something for everyone to do!*

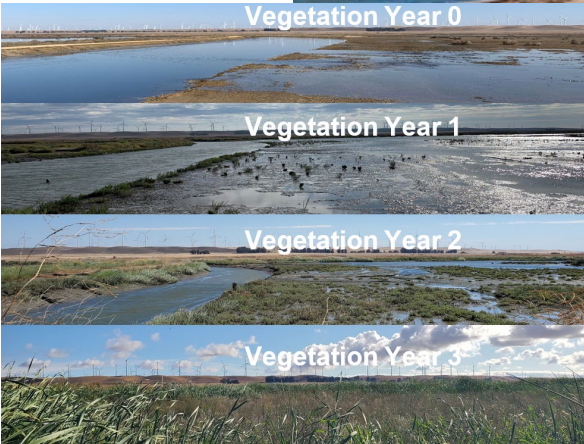
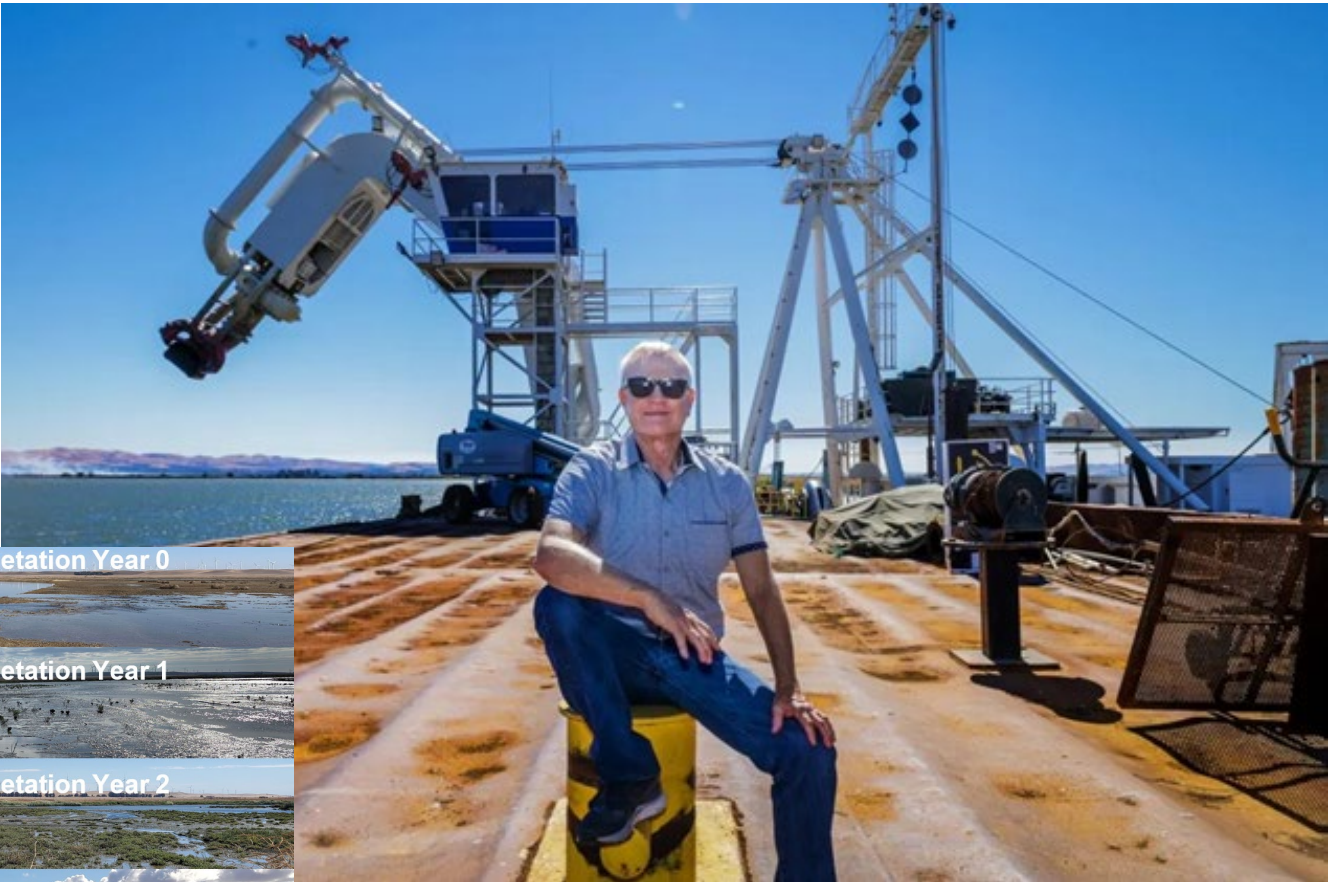
- **Government Agencies Doing Dredging:** Doing business differently
- **Ports / Navigation Sector:** Multi-purpose projects
- **Regulatory Agencies:** Efficiently pursuing win-wins
- **Dredging / Engineering Companies:** Innovative engineering and operations
- **Environmental NGOs:** Facilitating P3s

The Key: Affordability, Affordability, Affordability



Be Bold...Be Agile...

Be Jim Levine!



Thank you

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