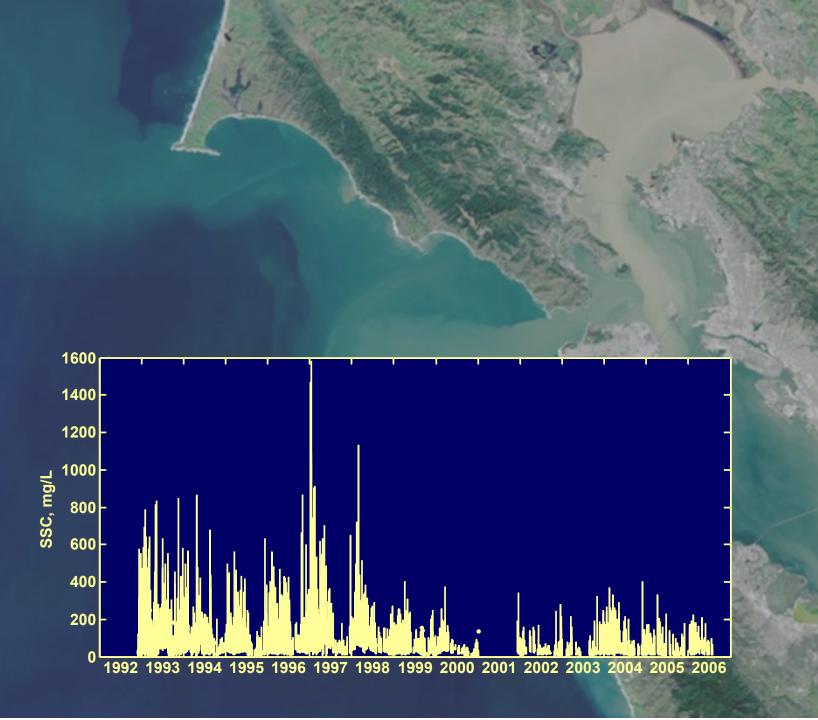
# SWAP Meet: The place where sediment and soil get together with wetlands

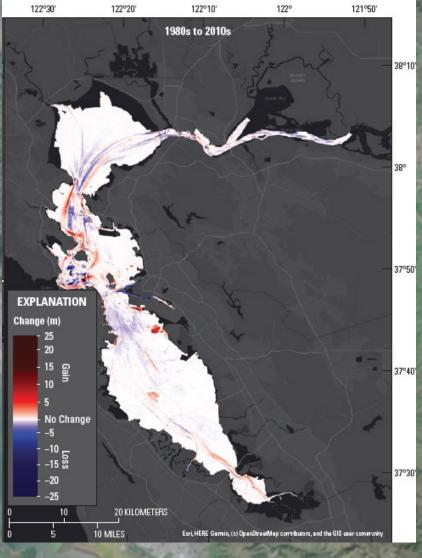


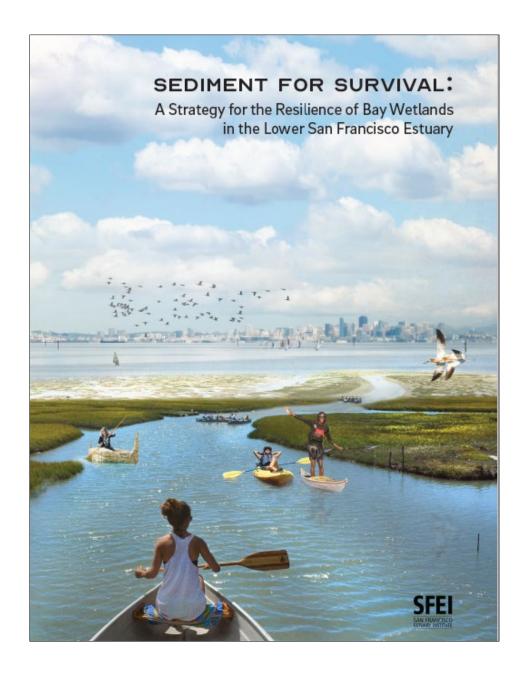
Brenda Goeden
Sediment Program Manager
San Francisco Bay Conservation and Development Commission
State of the Estuary Conference
October 29 6, 2025





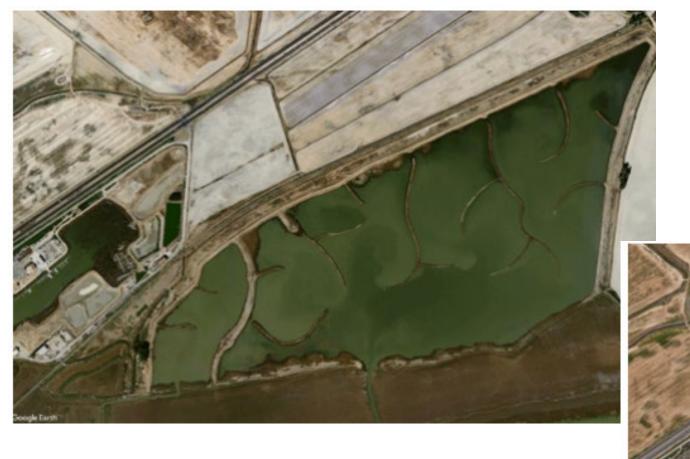














# Sediment for Wetland Adaptation Project (SWAP)

2025

2026

#### Phase 1 (Complete)

Stakeholder Engagement

- Coalition building
- Action Plan

Phase 2 –

Potential Bay Plan Amendment

**Phase 3** – Financing Strategy

Commissioner Working Group meetings

Core Team meetings











# Sediment & Soil Sources

- Barriers
- Challenges
- Solutions







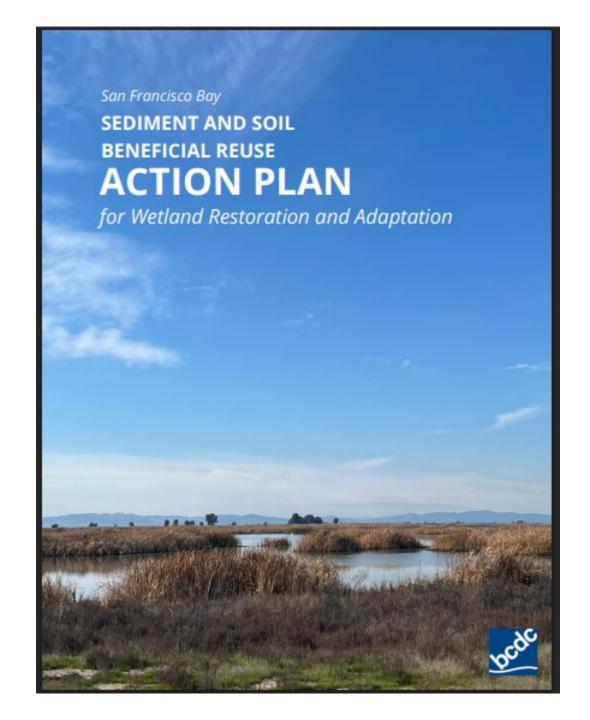




#### Goal:

"Increase beneficial reuse of sediment and soil for wetland habitat restoration, resilience, and sea level rise adaptation in the San Francisco Bay Area."







#### Federal, State, and Regional Policy Coordination

Objective 2.3: Improve State and Regional Coordination Through the Ocean Protection Council's 2020-2025 Strategic Plan, the State of California recognizes the need for a state-wide beneficial reuse program with a focus on the coast and the San Francisco Bay estuary...

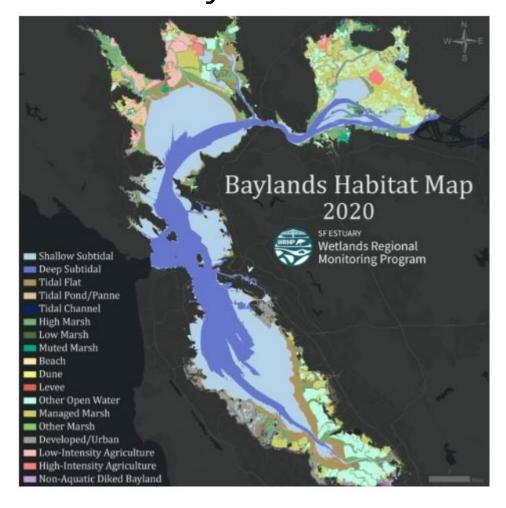
Action 2.3.1 In coordination with the Ocean Protection Council (OPC), the California Natural Resources Agency (CNRA), and the California Environmental Protection Agency (CalEPA), develop regional recommendations on a state-wide beneficial use policy and implementation structure. Work with other regions and state agencies to establish these beneficial reuse recommendations.



#### Regional Planning and Priorities

Objective 3.1: Solidify Regional Priorities and Strategy. Understand conditions of existing marshes and baylands

Action 3.1.1. Identify and evaluate active and candidate restoration sites and existing marshes to determine whether they need sediment from navigation channels, stream beds, and/or construction soil. Use EcoAtlas (https://www.ecoatlas.org/re-gions/ecoregion/bay-delta) and the SFEI Baylands Resilience Metrics to identify existing and new restoration sites and needs.



#### **Pilot Projects**

# Objective 5.1 & 5.2: Support Indirect & Direct Placement Pilot Projects.

Action 5.1.2. Investigate novel technologies to increase sedimentation on wetlands using dredged and/or flood protection project materials. Create opportunities for partnerships between implementing entities, researchers, and regulatory agencies to increase regional knowledge and understanding.

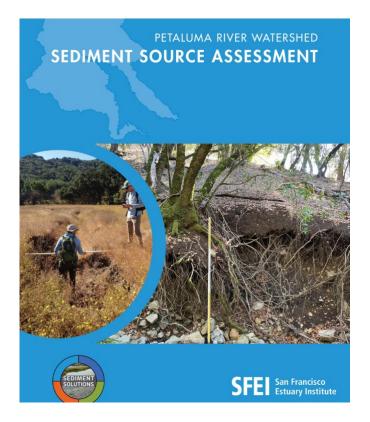
Action 5.2.3. Conduct thin-lift and other direct placement pilot projects at sites needing sediment augmentation based on site prioritization, regional data gap analysis and periodic modeling.



# Soil Availability and Placement

Objective 7.2: Improve Flood Protection Programming

**Action 7.2.1**. Coordinate with Bay Area Flood Protection Agencies Association (BAFPAA) to facilitate changes in practices and create opportunities to link beneficial reuse, flood protection, and channel realignment.





### Federal, State & Regional Policy Coordination

Objective 2.4: Update State and Regional Policies. Federal and state agencies, regional organizations, and non-governmental partners should collaborate to improve federal, state, and regional policies. In addition, local agencies and organizations should review their own policies and plans to identify and reduce barriers to beneficial reuse in wetlands.

**Action 2.4.2.** Assess San Francisco Bay Plan findings and policies regarding sediment supply and beneficial reuse to identify necessary improvements and propose amendments.

#### Current Effort: San Francisco Bay Plan Amendment

- 1. Sediment as a Resource
- 2. Upland Soils
- 3. Flood Protection
- 4. Dredging and Beneficial Reuse
- 5. In-Bay Disposal Limit
- 6. Restoration and Beneficial Reuse

