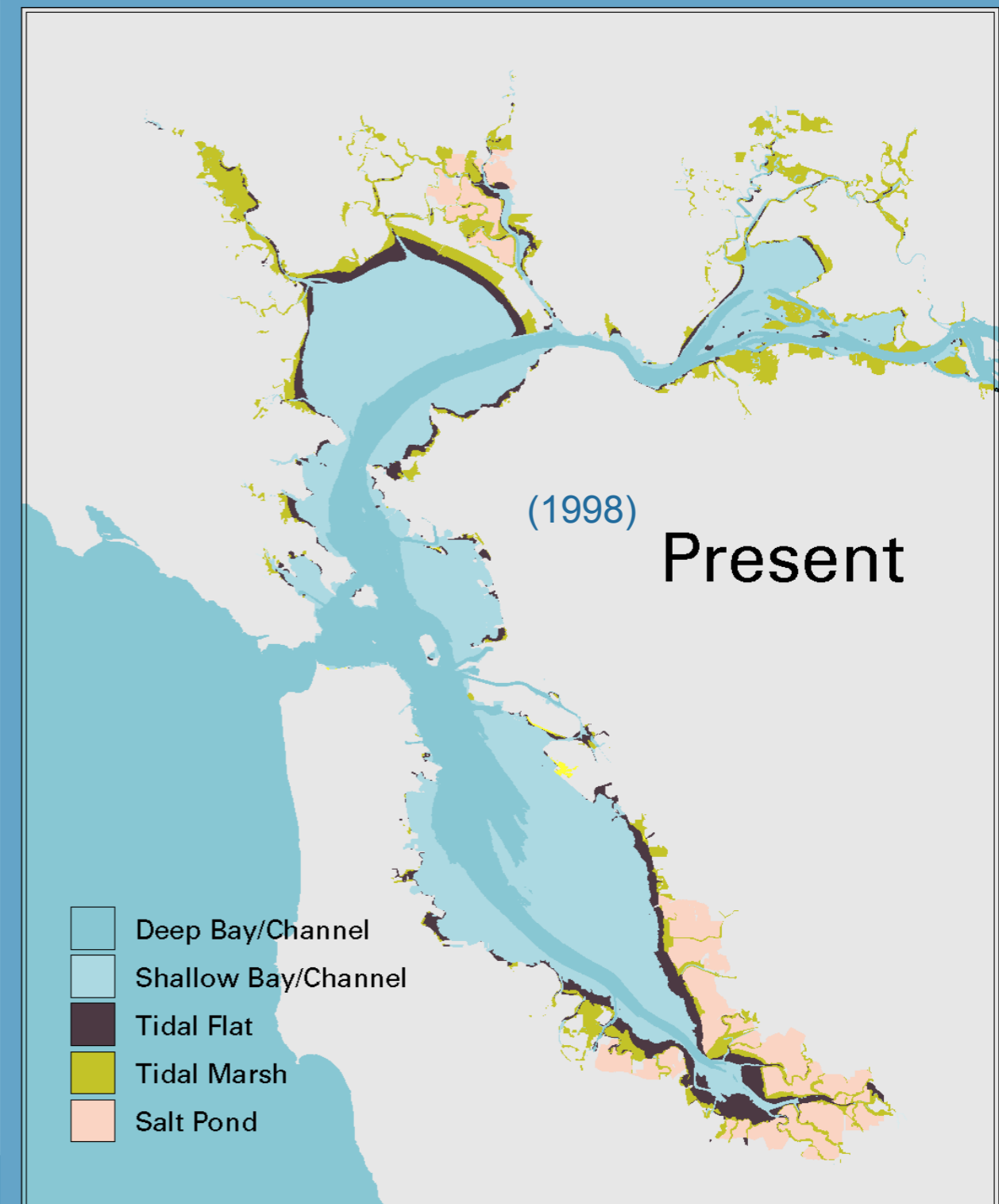
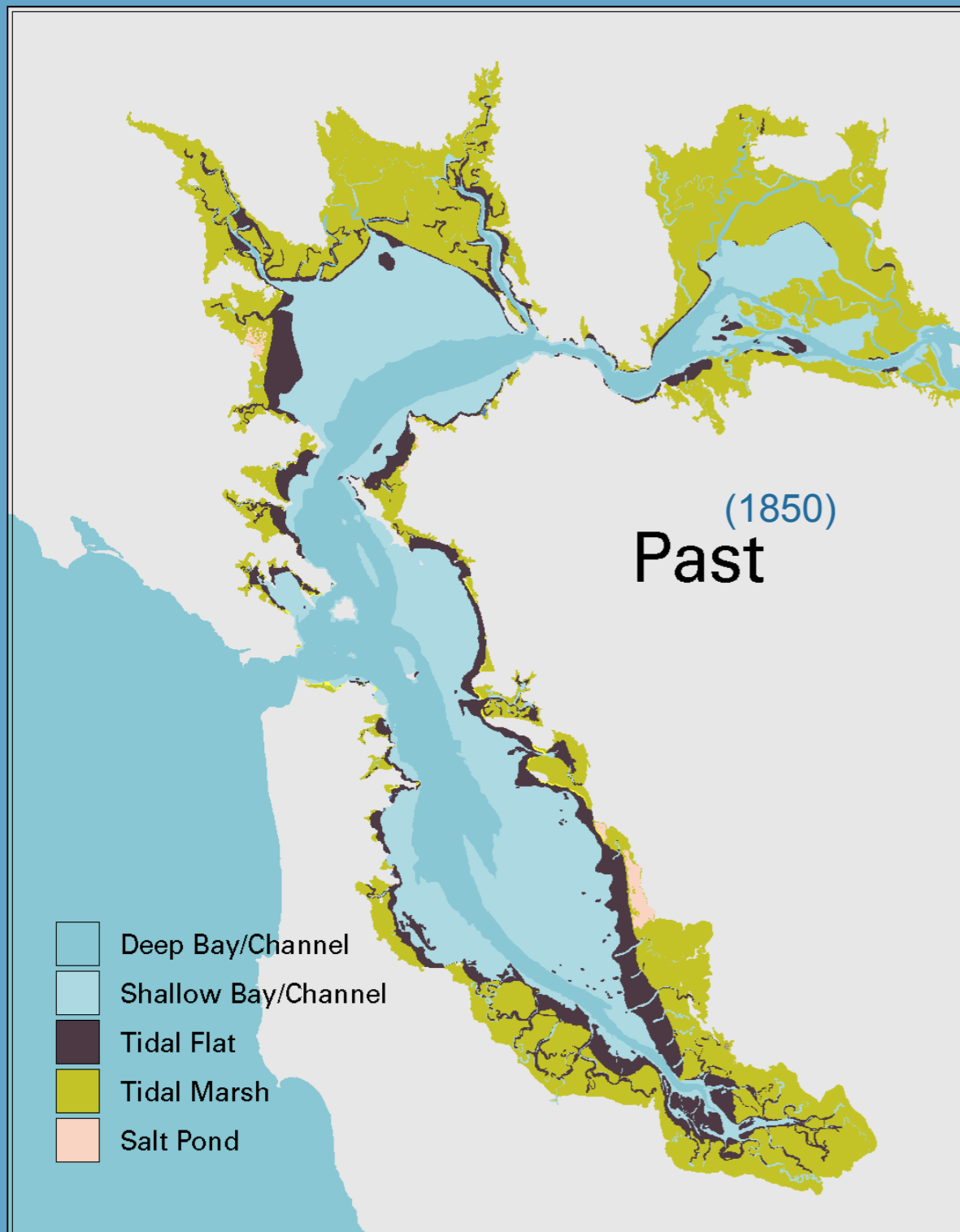


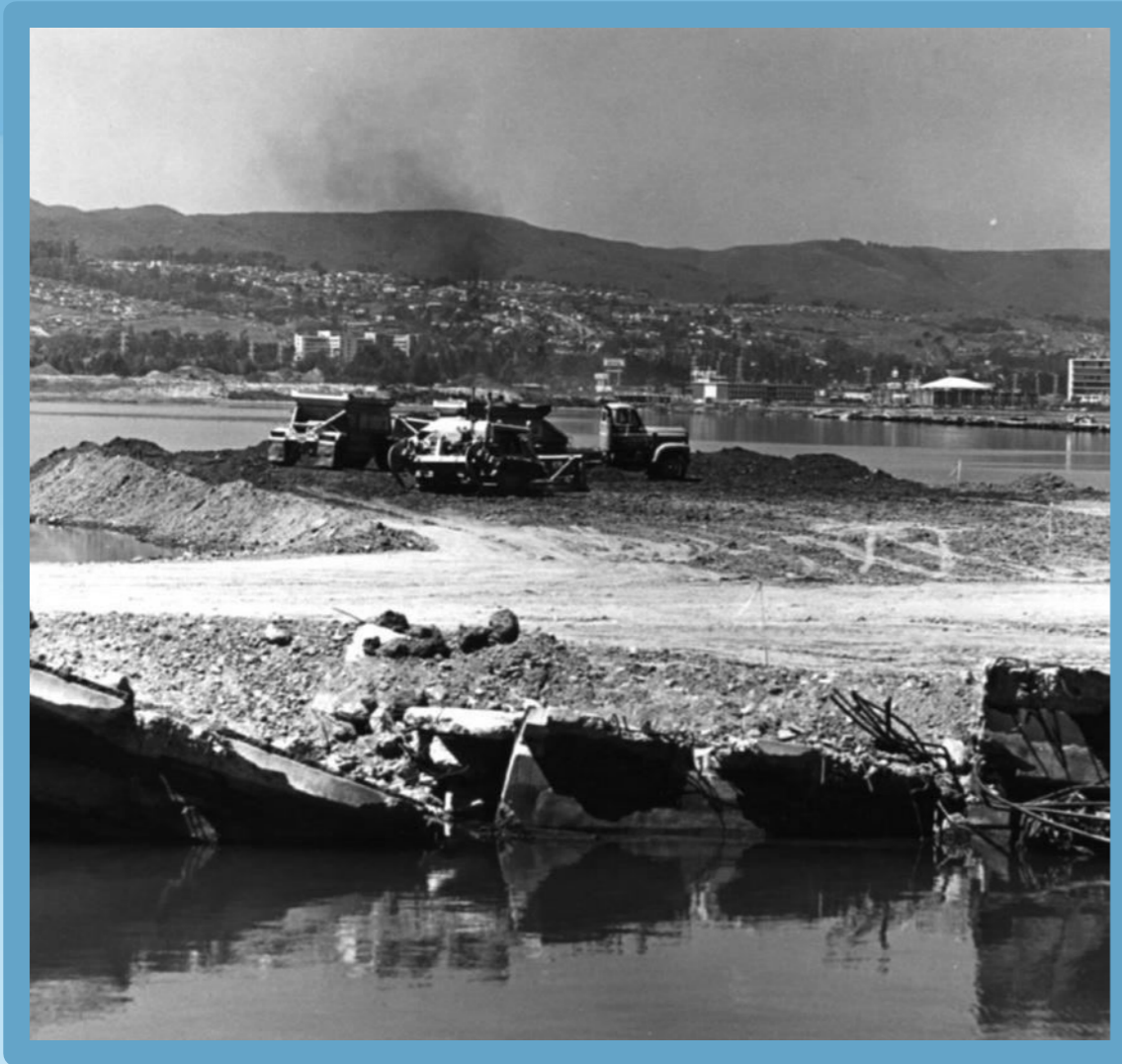
Restoring San Francisco Bay

Amy Hutzel
Coastal Conservancy

150 years of urbanization has altered San Francisco Bay



We have had a massive impact on the Bay over the last century



We've filled thousands of acres



We've dumped garbage





IMPORTANCE OF TIDAL MARSH

- **Provide Habitat for Fish & Wildlife**
 - **Filter Out Pollution**
- **Flood Prevention & Sea Level Rise Mitigation**
- **Open Space & Recreation Opportunities**
- **Enhance Quality of Life & Economy**

Growing threat: Climate Change



THE
Baylands
AND
Climate Change

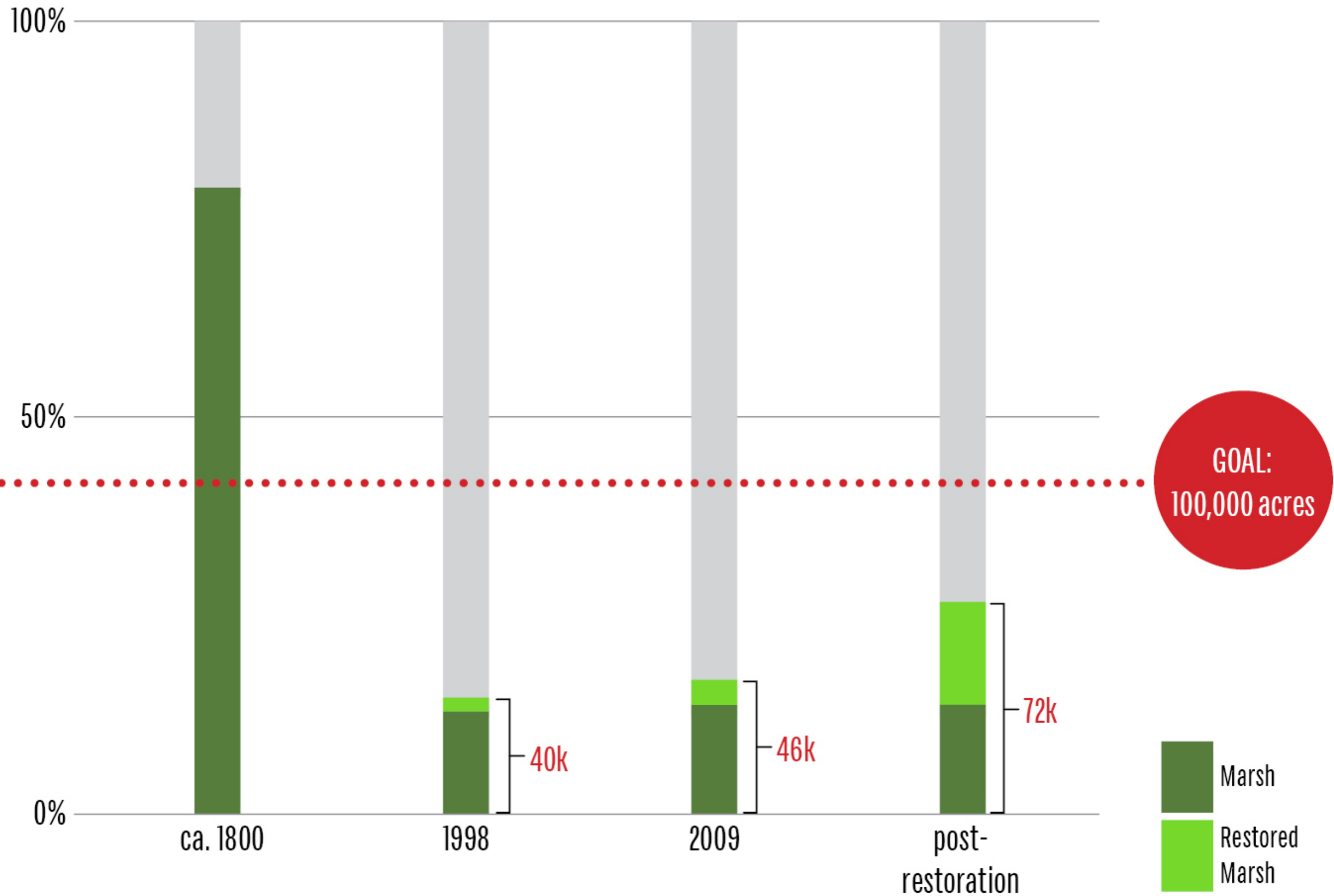
WHAT WE CAN DO

BAYLANDS ECOSYSTEM HABITAT GOALS
SCIENCE UPDATE 2015



TIDAL MARSH

restoration

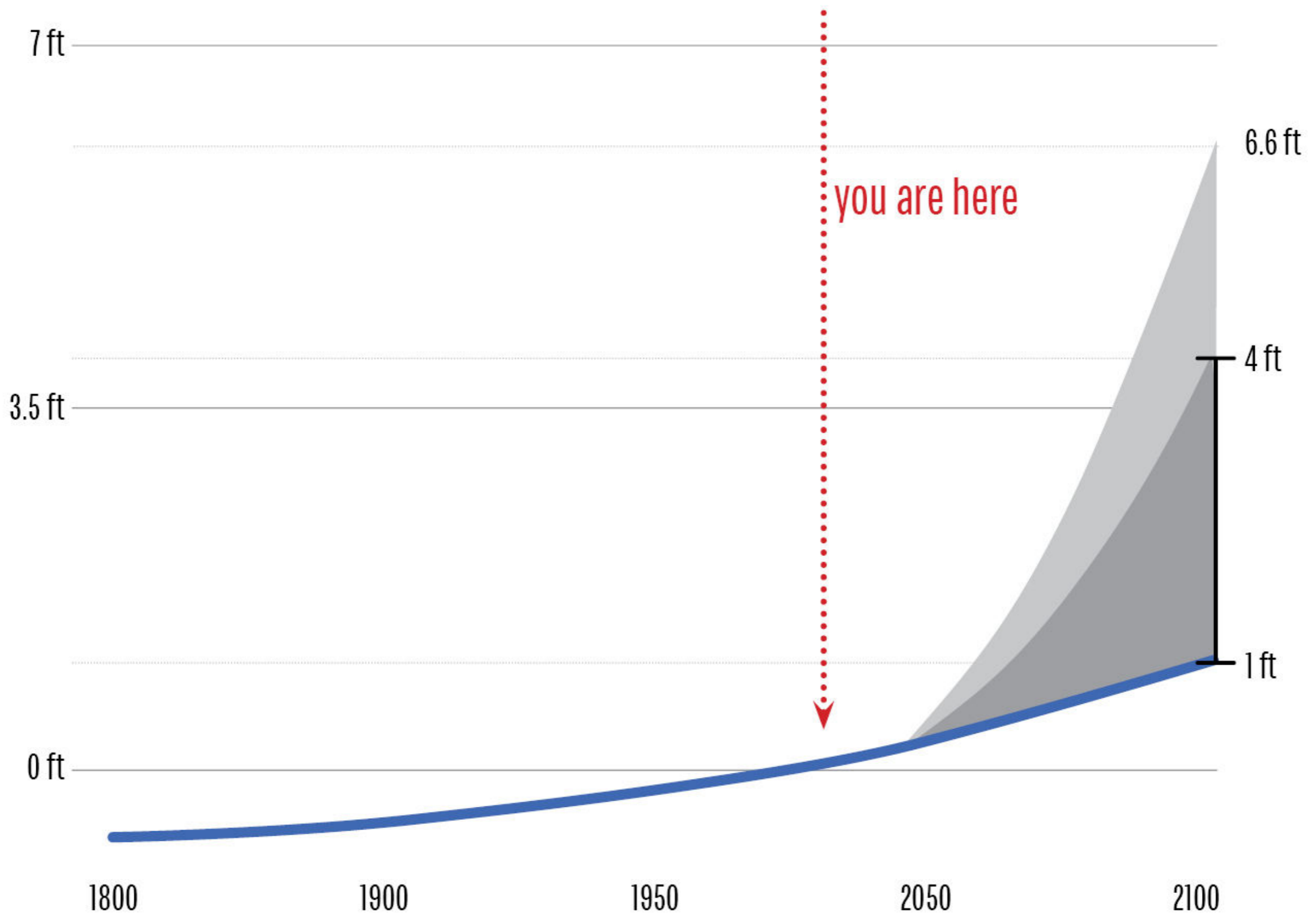


GLOBAL SEA LEVEL

change

SINCE 1800

Courtesy 3rd National
Climate Assessment,
2014



restore

**MARSHES BY 2030 IN AREAS
WHERE THEY'RE LIKELY TO**

persist

2006



2014



- Build up of sediment and vegetation takes time.
- Higher starting elevation means marshes survive sea-level rise for longer.

SEDIMENT
ISA

precious resource

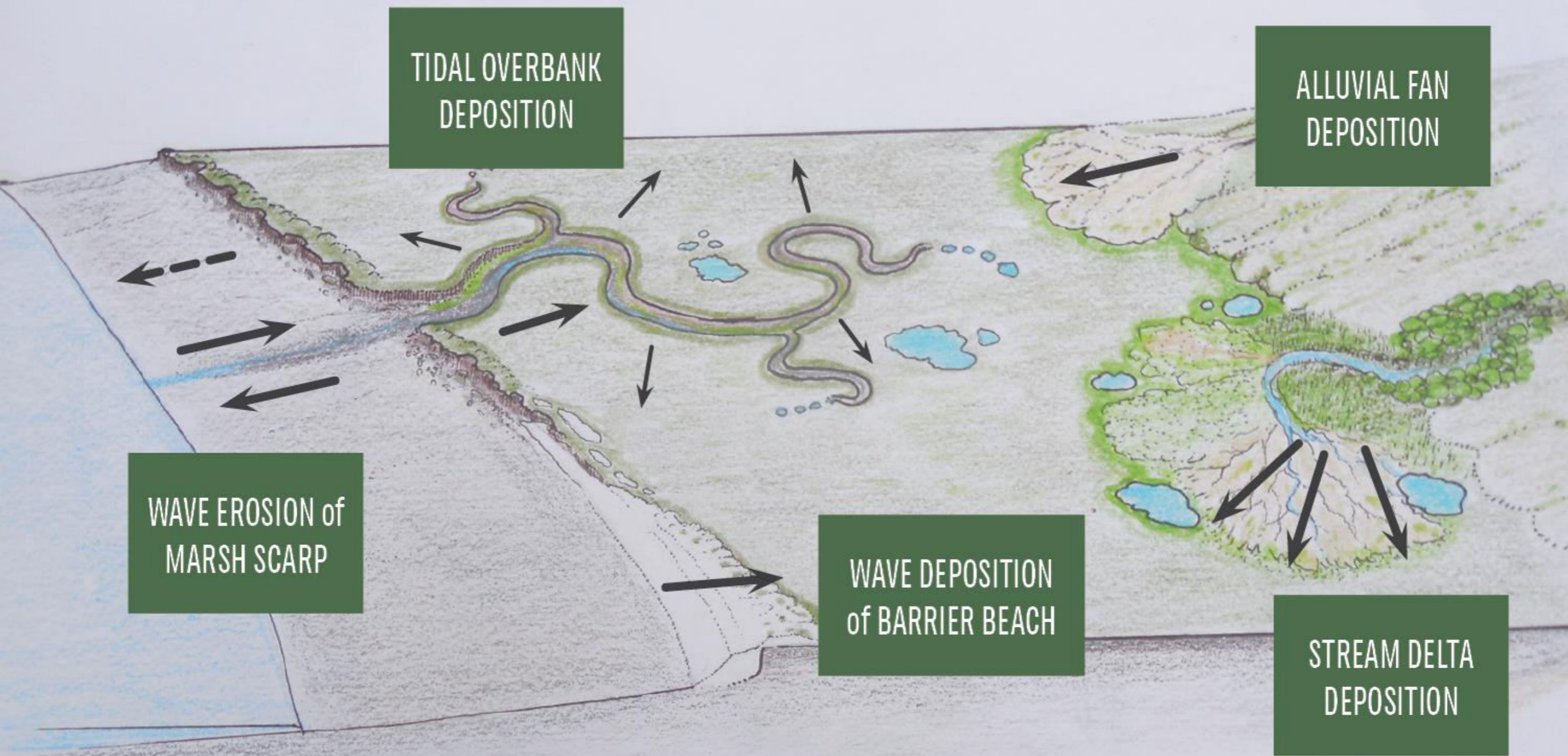


MEANS
RESTORING

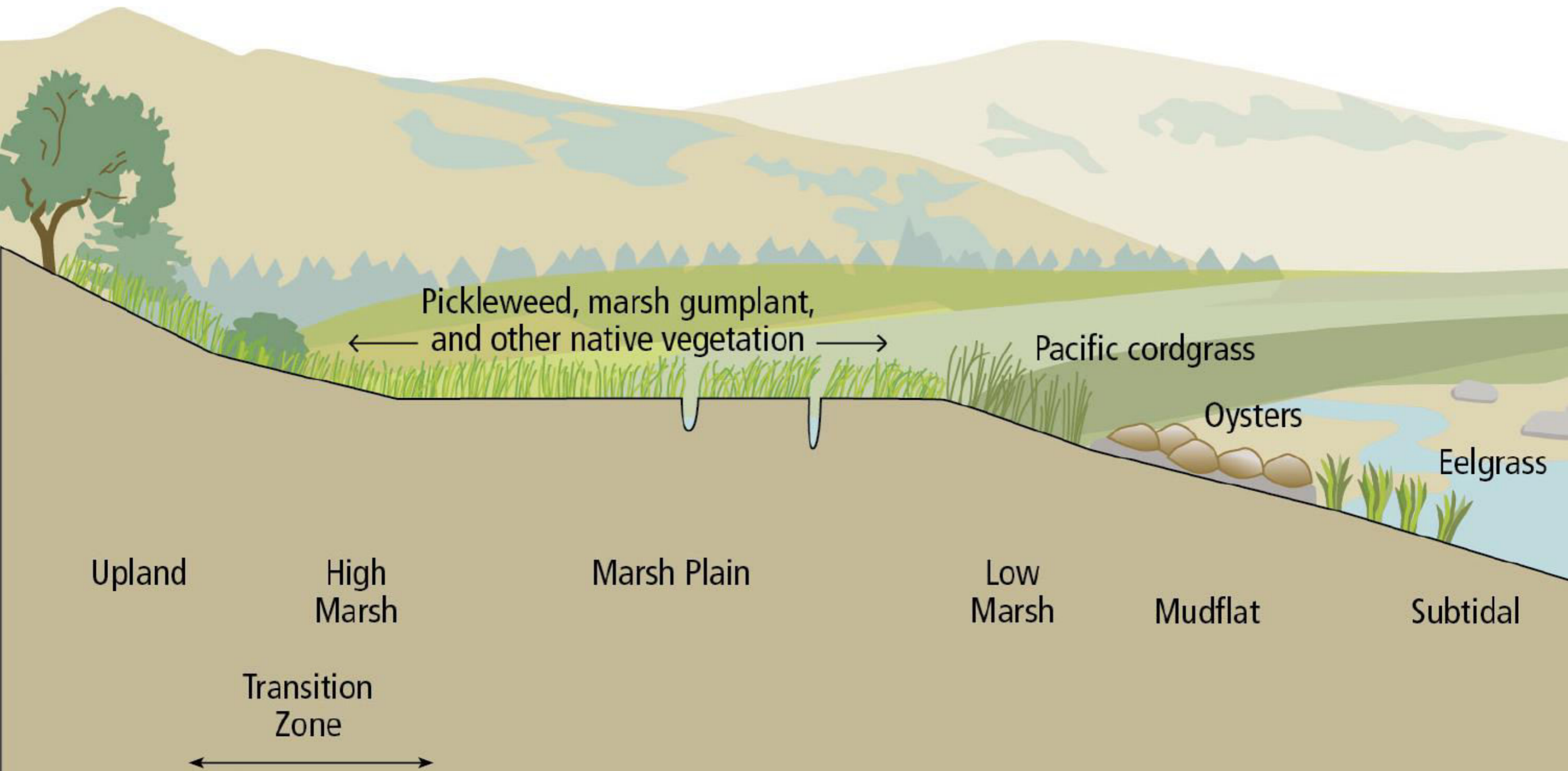
PROCESSES

NOT JUST
PLACES

COURTESY PETER BAYE



Restore COMPLETE SYSTEMS



San Francisco Bay Restoration Authority

Mission: To raise and allocate resources for the restoration, enhancement, protection, and enjoyment of wetlands and wildlife habitat in the San Francisco Bay and along its shoreline.

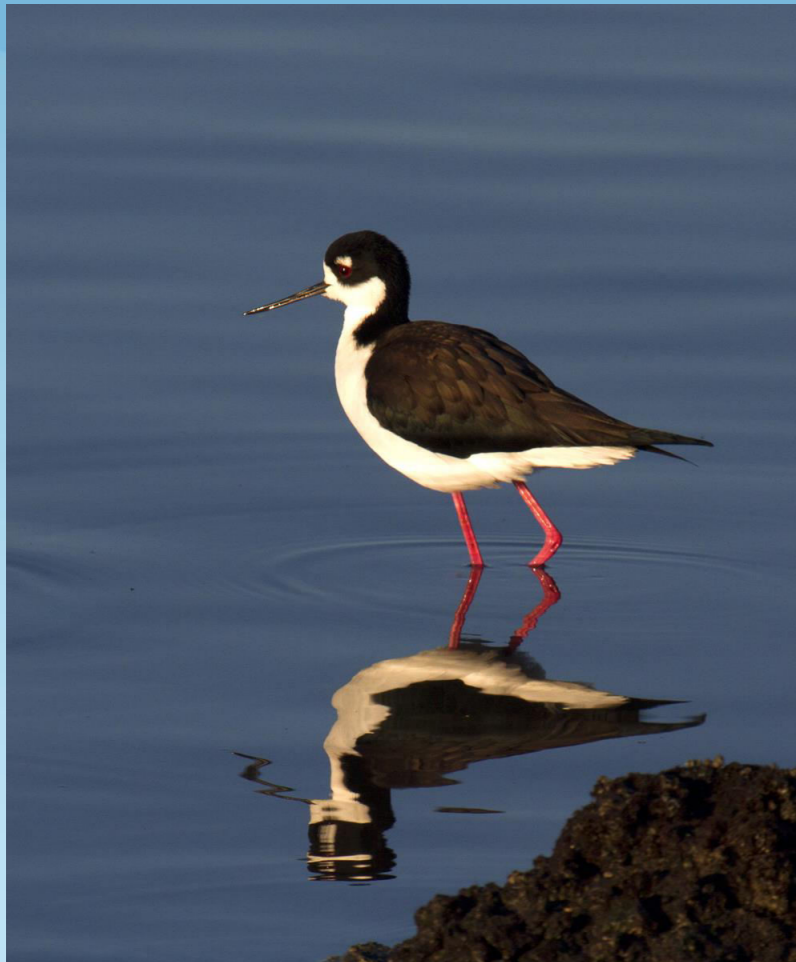
- The San Francisco Bay Restoration Authority was created by Save The Bay and others through 2008 legislation.
- Its mandate is to propose new public funding mechanisms to voters for Bay marsh restoration; then provide grants to accelerate wetland restoration, flood protection, and public access to Bay.
- Governing Board comprised of elected officials from each quadrant of the Bay Area; Advisory Committee represents many community interests.
- It currently has no funding to carry out its important mission.



Photo credit: Vivian Reed



Clean and Healthy Bay Ballot Measure: Measure AA



- June 2016 ballot measure to accelerate Bay wetlands restoration
- \$12/parcel/year for 20 years, would generate ~\$500 million for restoration projects around the Bay
- Strong majority of nine-county Bay Area voters are supportive; needs 2/3 support in all nine counties, cumulatively, to pass





Examples of Projects Anticipated to be Eligible For Funding:

- Eden Landing (Alameda)
- Chelsea Wetlands (Contra Costa)
- Bel Marin Keys (Marin)
- Edgerly Island (Napa)
- Yosemite Slough (San Francisco)
- Ravenswood Ponds (San Mateo)
- Alviso Ponds (Santa Clara)
- Benicia Shoreline (Solano)
- Skaggs Island (Sonoma)

Clean and Healthy Bay Ballot Measure: Measure AA

- Restoring vital fish, bird and wildlife habitat.
- Improving water quality and reducing pollution and toxins.
- Protecting shoreline communities against flooding from severe storms and sea level rise.
- Increasing shoreline access for public enjoyment.



Clean and Healthy Bay Ballot Measure: Measure AA

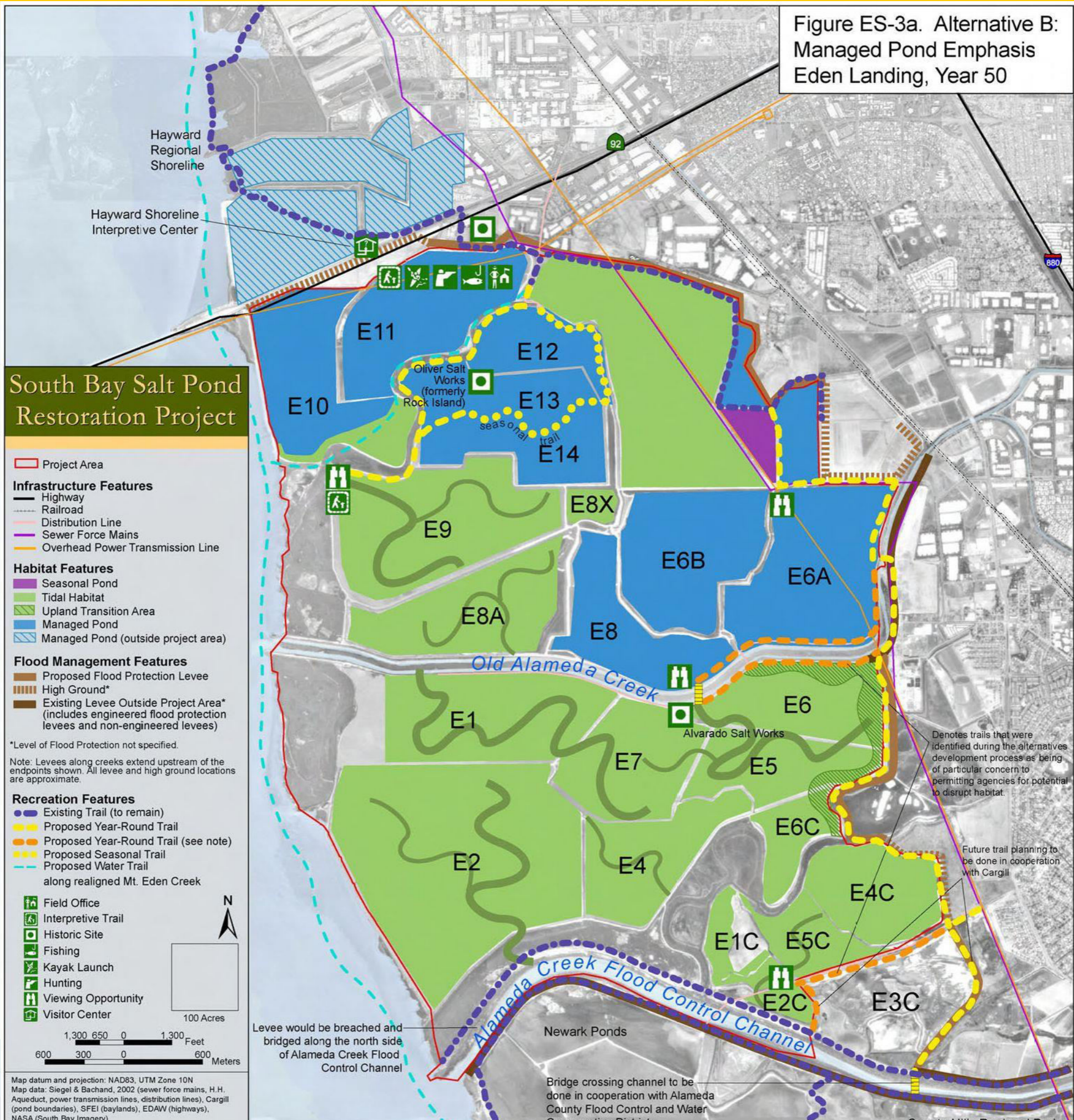
Priority given to projects that:

- Have greatest positive, long-term impact on Bay.
- Provide for geographic distribution.
- Leverage other funding.
- Benefit disadvantaged communities.
- Benefit the region's economy, including:
 - Local employment/workforce development
 - Nature-based flood protection for shoreline communities and infrastructure.
- Engage youth/young adults and build workforce skills.
- Incorporate monitoring, maintenance, and stewardship.





Figure ES-3a. Alternative B:
Managed Pond Emphasis
Eden Landing, Year 50



South Bay Salt Pond Restoration Project

Figure 3b. Alternative C:
Tidal Habitat Emphasis
Alviso Year 50

LEGEND

Project Area

- Project Area

Infrastructure Features

- Highway
- Hetch Hetchy Aqueduct
- Railroad
- Overhead Power Transmission Line
- Wastewater Outfall
- Sewer Force Mains
- Distribution Line
- PG & E Access Points

Habitat Features

- Tidal Habitat
- Upland Transition Area
- Managed Pond
- Managed Pond (Outside of Project Area)

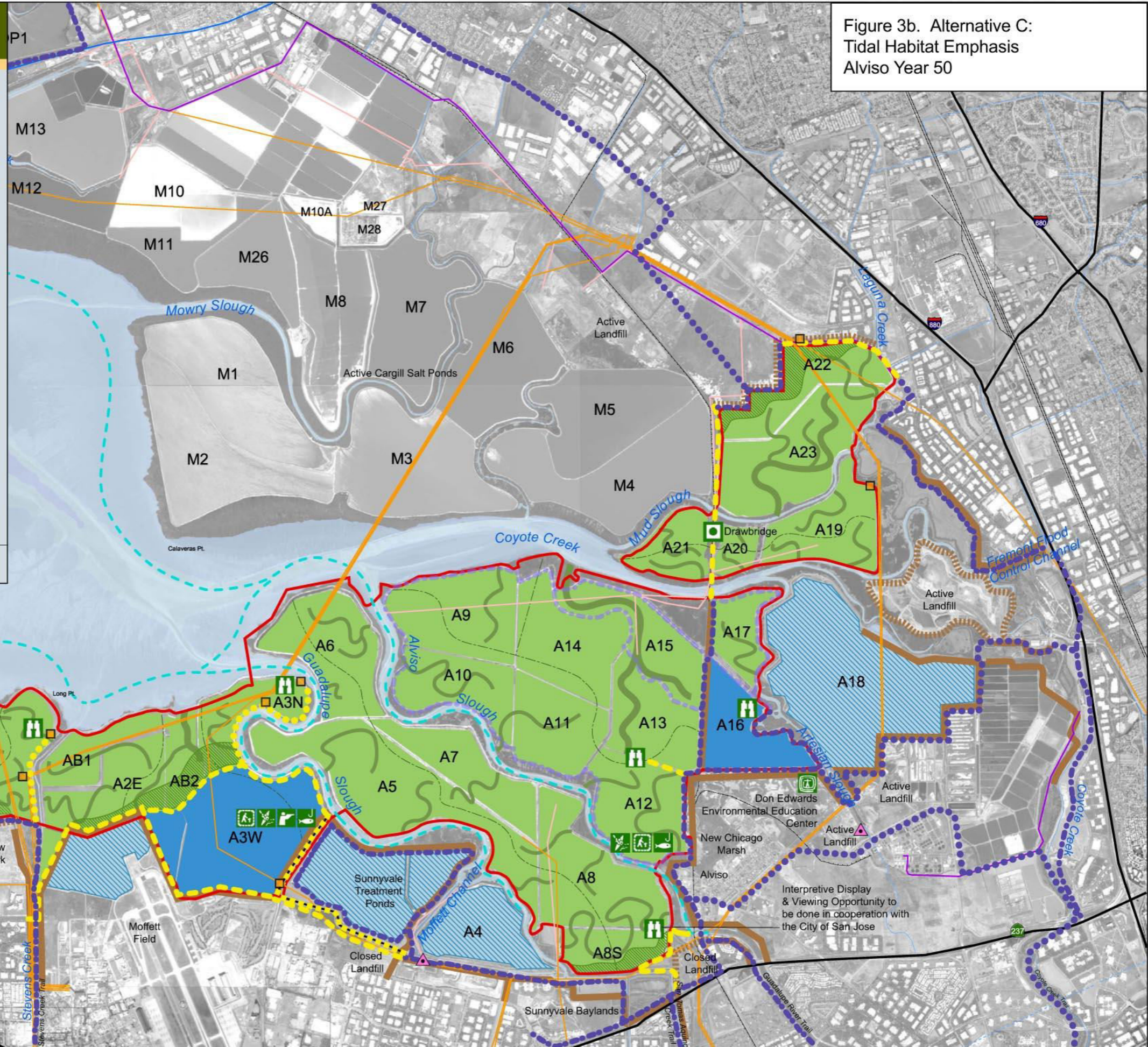
Flood Management Features

- Flood Protection (Existing + Proposed)
- High Ground

Recreational Features

- Interpretive Trail
- Historic Site
- Fishing
- Kayak Launch
- Hunting
- Viewing Opportunity
- Environmental Education Center
- Existing Trail (to remain)
- Existing Trail (to be removed)
- Proposed Year-Round Trail
- Proposed Seasonal Trail
- Proposed Water Trail
- Proposed Vehicular Access
- Proposed Trail (Outside of Project Area)

Map datum and projection: NAD83, UTM Zone 10N
 Map data: Google & Earthstar, 2002 (sewer force mains, H.H. Aqueduct, power transmission lines, distribution line), Cargill (pond boundaries), SFEI (baylands), EDAW (highways), NASA (South Bay Imagery)
 Map by: EDAW Inc. Map date: December 16, 2005

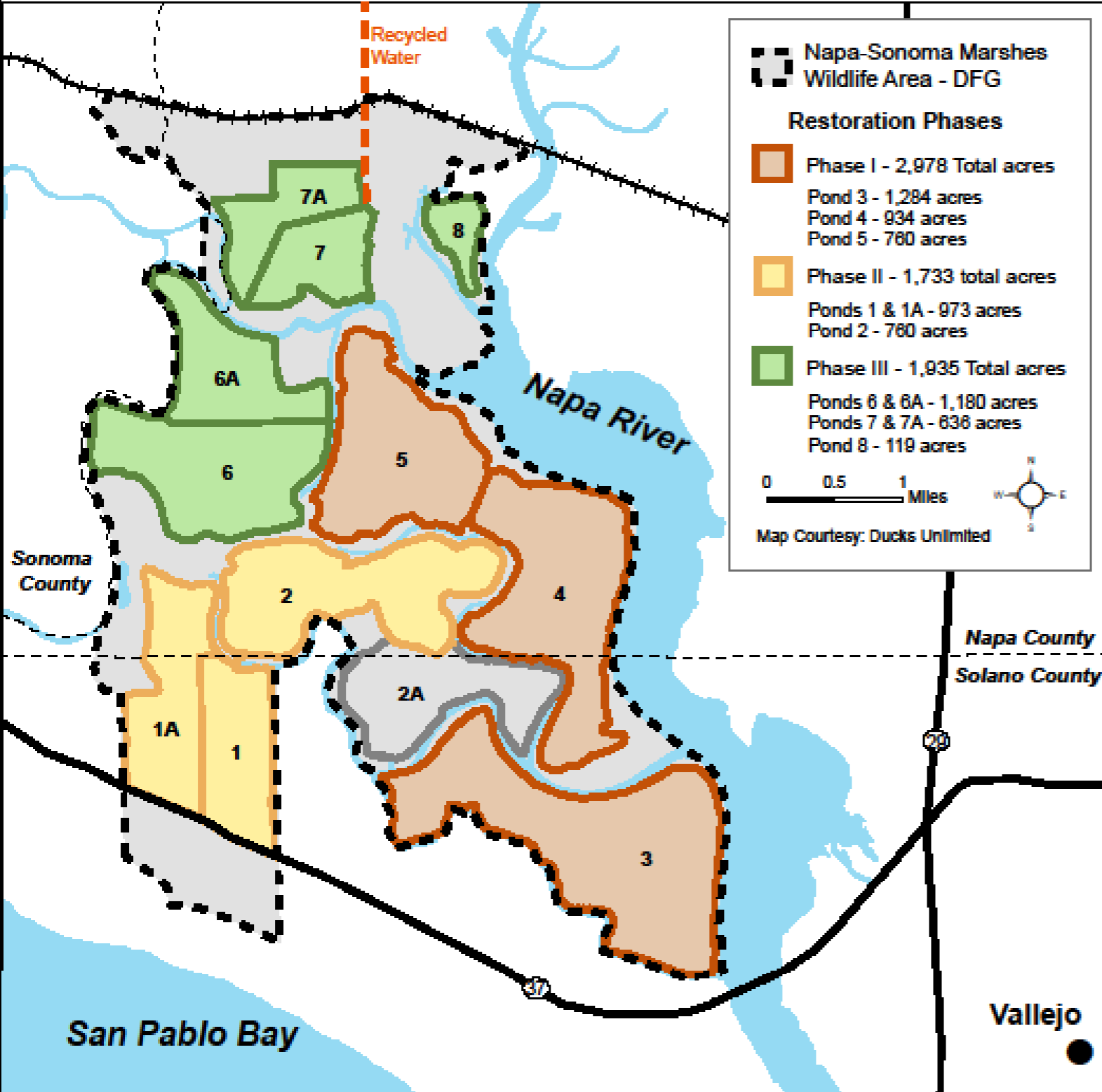


PUBLIC REVIEW
DRAFT

Interpretive Display & Viewing Opportunity to be done in cooperation with the City of San Jose

Napa-Sonoma Marshes Wildlife Area Restoration Project

California Department of Fish and Game



www.sfbayrestore.org



San Francisco Bay Restoration Authority

[Governing Board](#)[Advisory Committee](#)[Meetings](#)[Documents](#)[FAQ](#)

Welcome

The **San Francisco Bay Restoration Authority** is a regional government agency charged with raising and allocating resources for the restoration, enhancement, protection, and enjoyment of wetlands and wildlife habitat in the San Francisco Bay and along its shoreline. The Authority was created by the California legislature in 2008 with the enactment of AB 2954 (Lieber). On January 13, 2016, the **Authority's Board** unanimously voted to place a funding measure on the **June 7, 2016 ballot** in the nine-county Bay Area to generate funds to protect and restore San Francisco Bay. Read the **Press Release here**.

