

Updating the Estuary Blueprint for Uncertain Times

San Leandro Bay/Alameda-Oakland Estuary

Adaptation Working Group

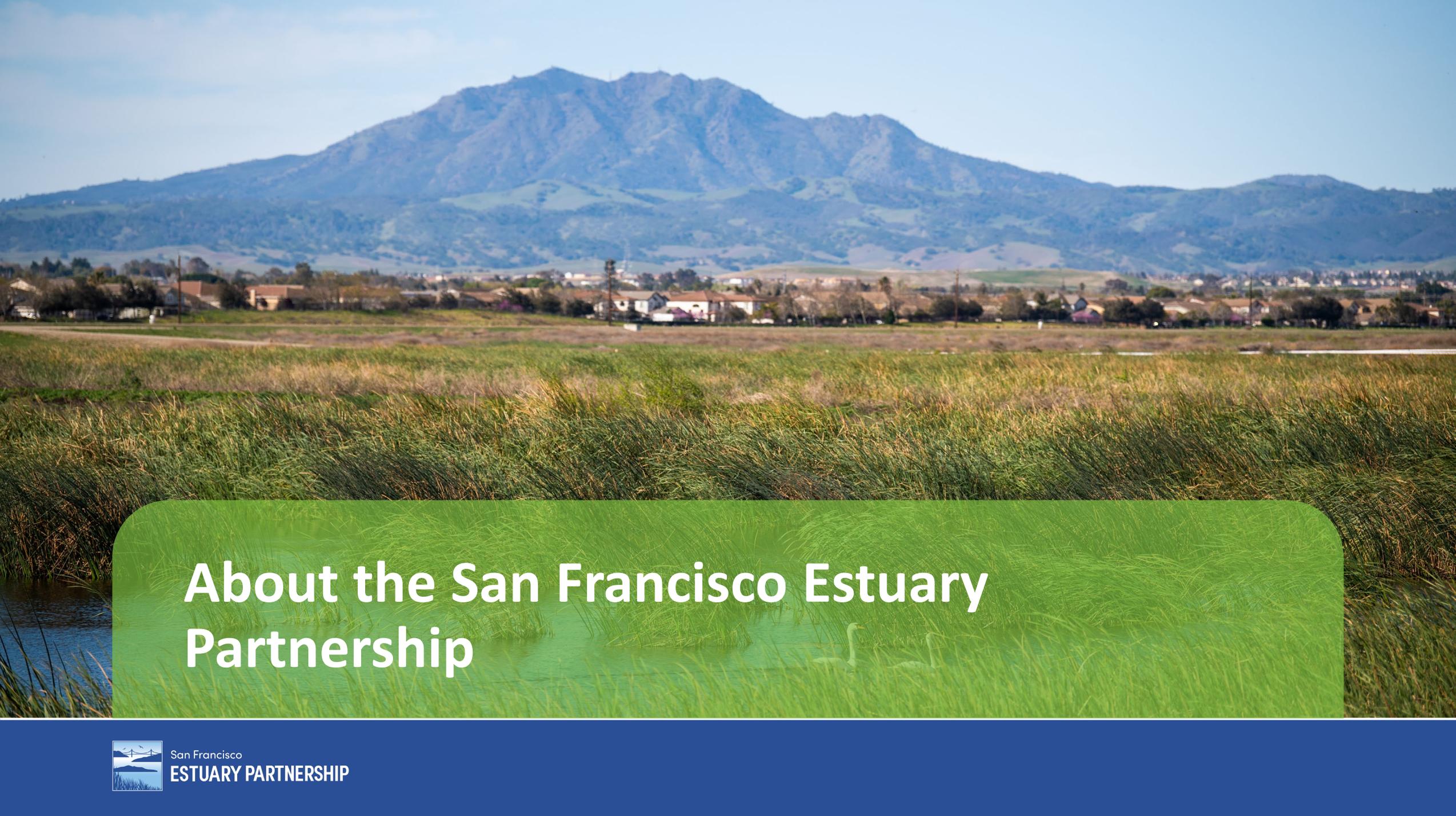
September 14, 2022



Partnership in Action



San Francisco
ESTUARY PARTNERSHIP



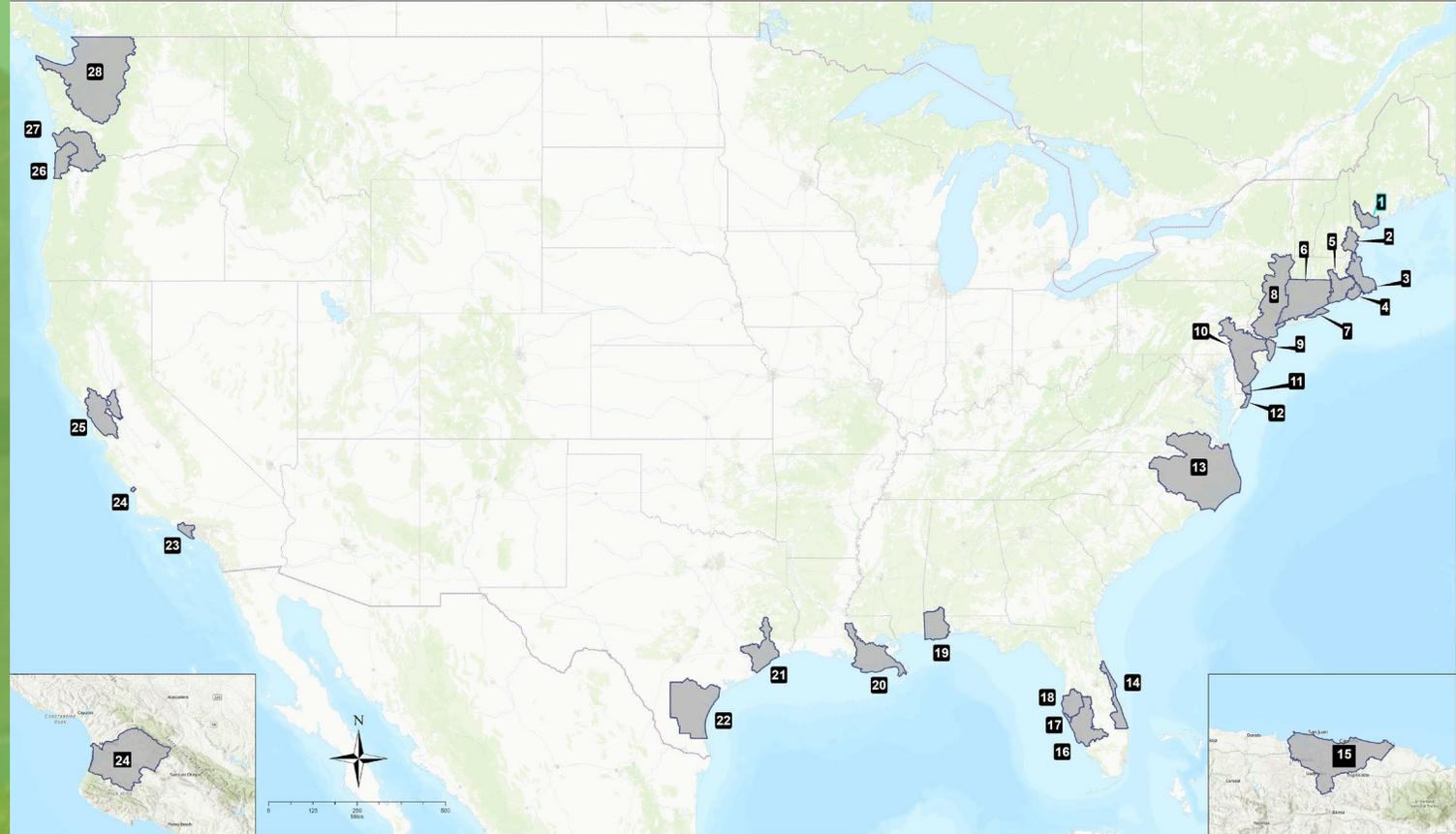
About the San Francisco Estuary Partnership



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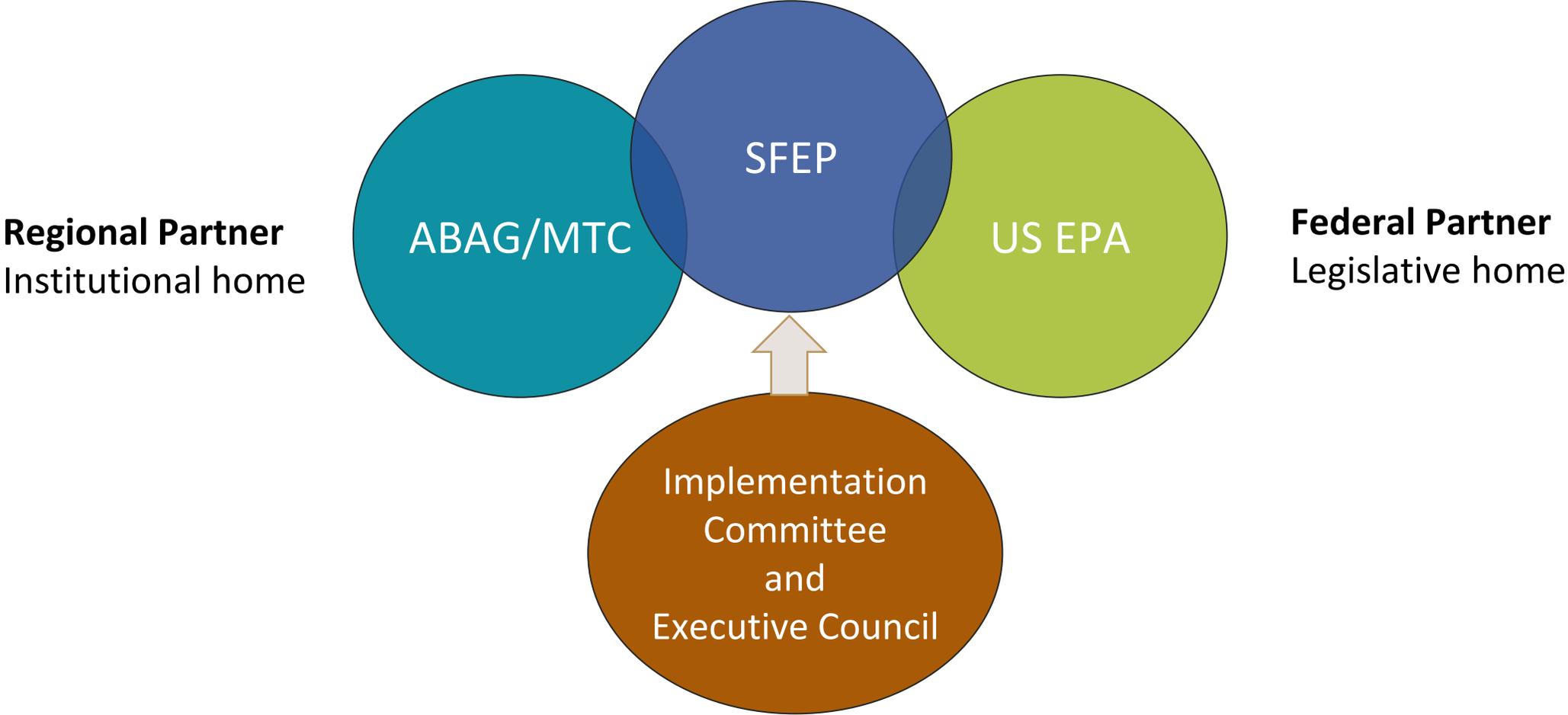
San Francisco Estuary Partnership

- A place-based EPA program
- Collaborative and non-regulatory
- Leverages federal, state, and regional resources to implement the Estuary Blueprint

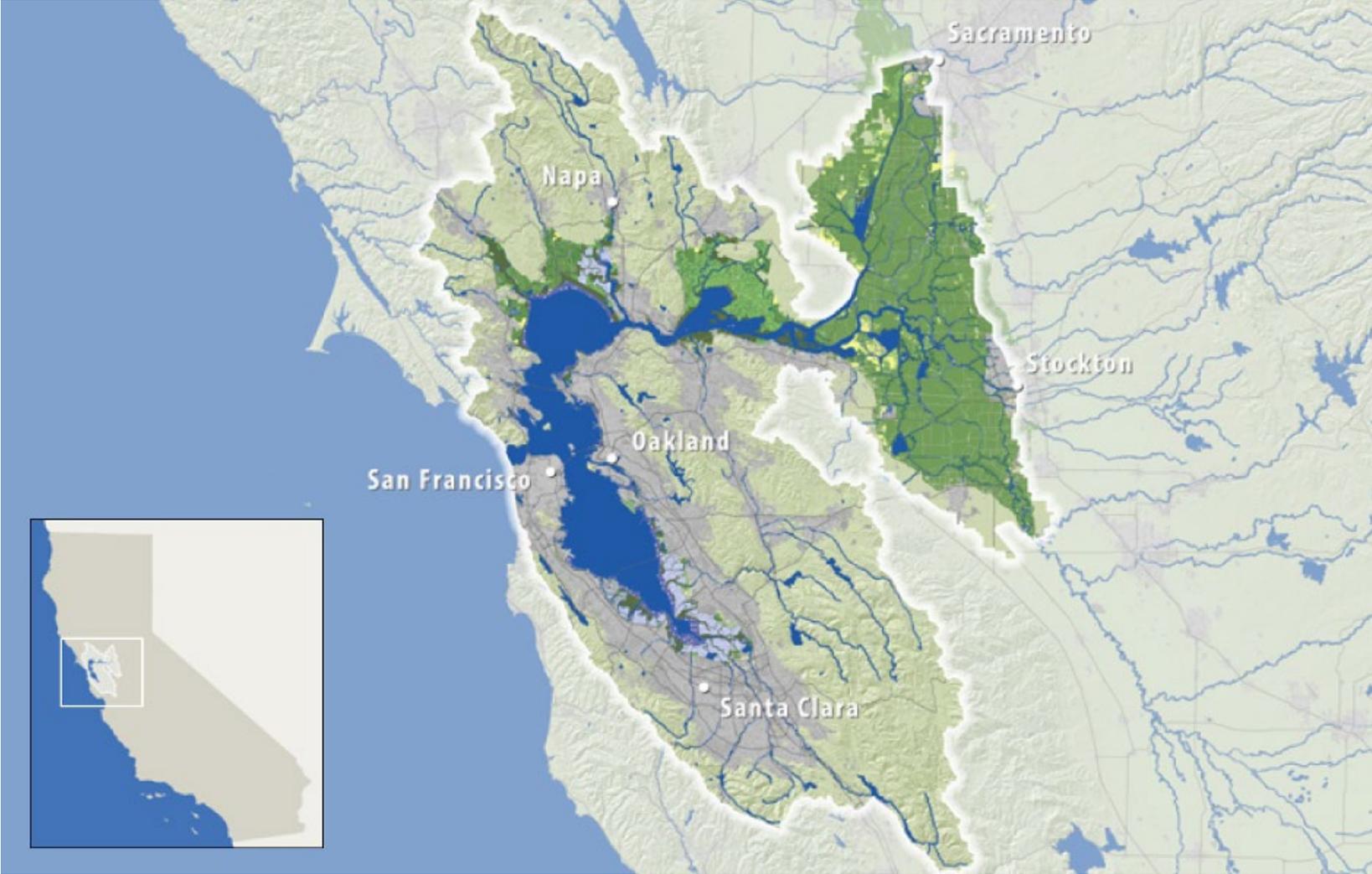


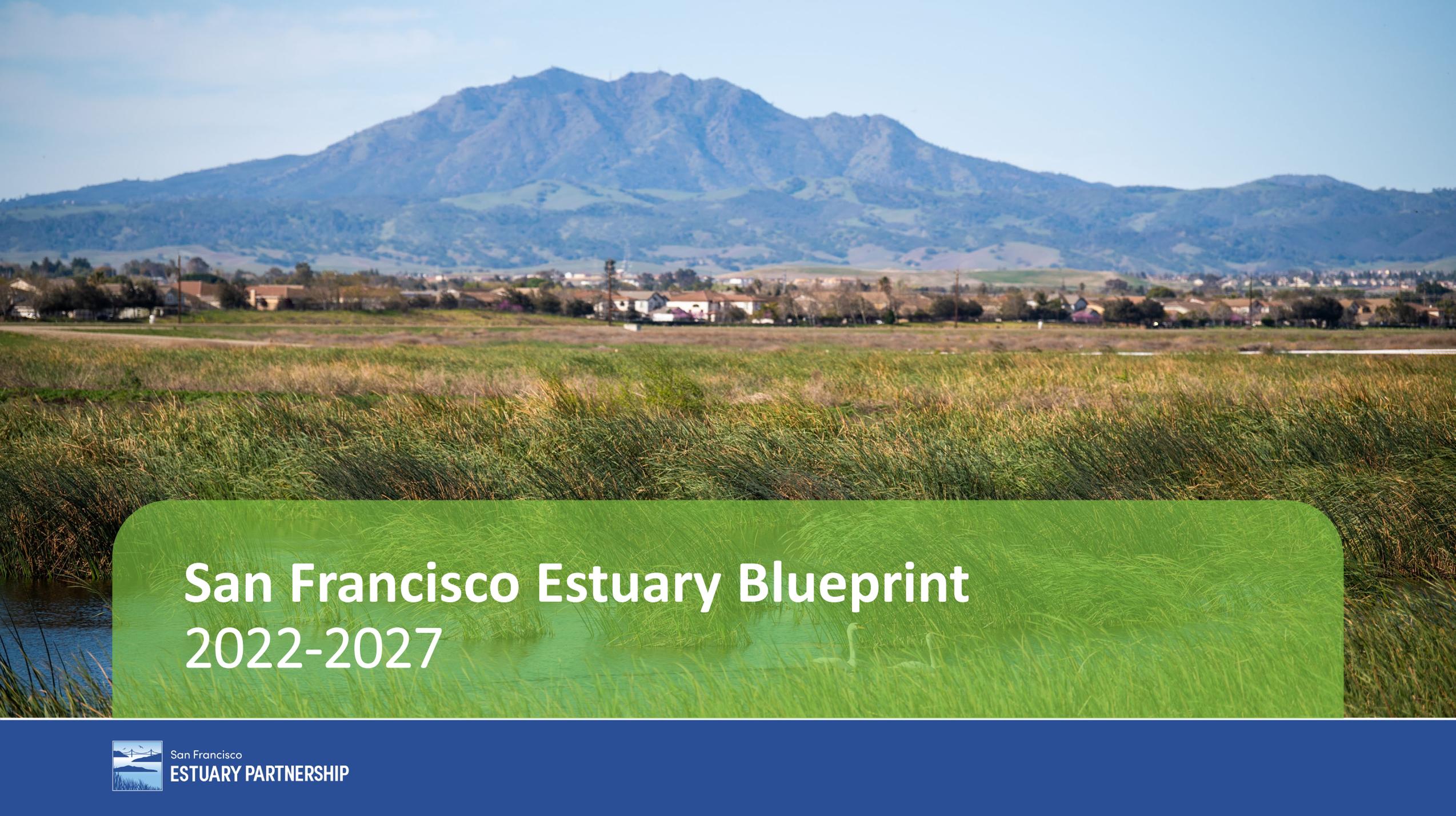
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Federal, State, Local Partnership



Estuary Partnership Planning Area





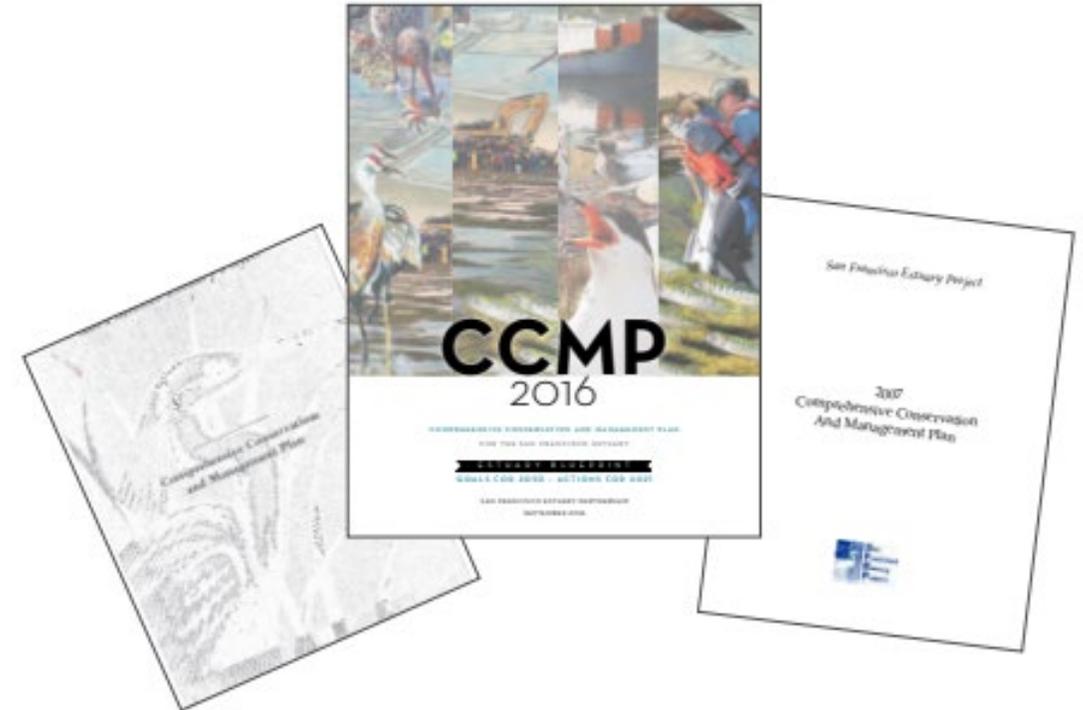
San Francisco Estuary Blueprint 2022-2027



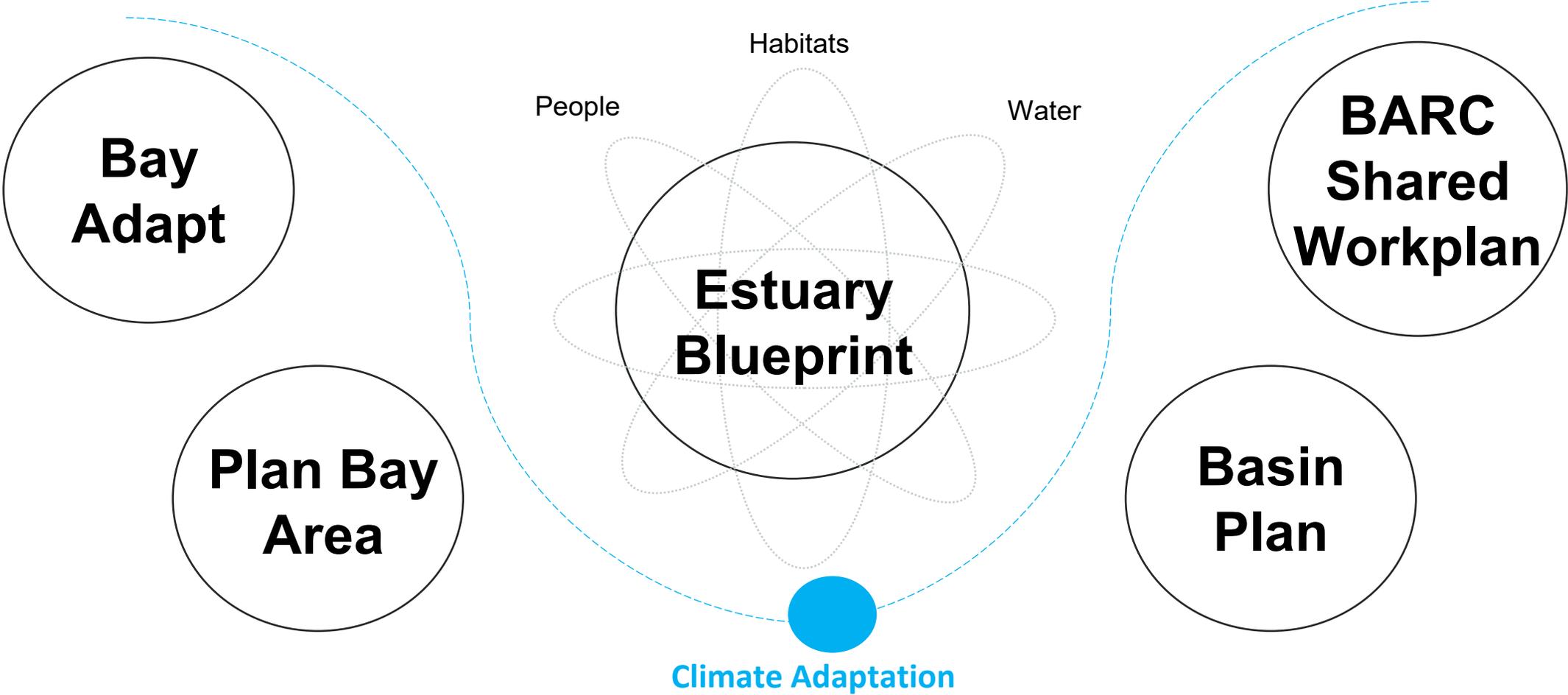
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San Francisco Estuary Blueprint/CCMP

- The Clean Water Act calls for each NEP to develop and implement a Comprehensive Conservation and Management Plan (CCMP)
- First completed in 1993
- 2022 San Francisco Estuary Blueprint released in July 2022

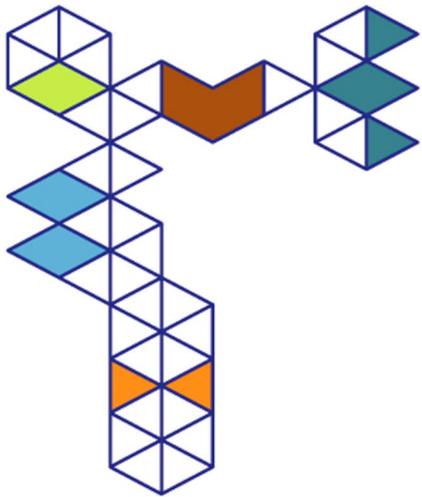


Regional Climate Adaptation Efforts



Where do we want to be in 2050?

What can we do over the next 5 years to get there?



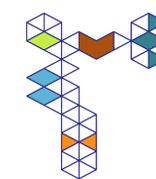
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Estuary
Blueprint



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...Collaborative



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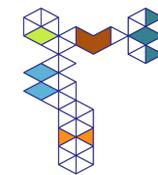


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...Addresses Our Most Urgent Challenges



...Integrated

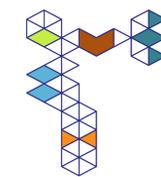


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...Integrates Ecological and Social Resilience

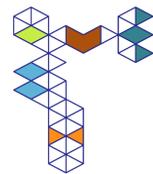


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...Aspirational, yet Feasible

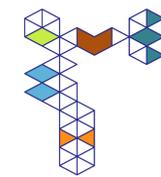


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...Holds Us All Accountable for the Future



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2022-2027 Estuary Blueprint



- **4 Goals**
- **25 Actions**
- **5 Years**



Resilience



Living Resources



Water



Stewardship

2022 ESTUARY BLUEPRINT ACTIONS

Climate Resilience

Tidal Marsh

Recycled Water

Equity

Transition Zones

Stormwater

Adaptation Planning

Managed Wetlands

Nutrients

Adaptation Projects

Seasonal Wetlands

Emerging Contaminants

Watershed Connections

Creeks

Health Risks of Contaminants

Sediment

Invasive Species

Trash

Carbon Management

Freshwater Flows

Public Access

Wetland Monitoring

Water Conservation

Champion the Estuary

Action 1: Climate Resilience

[← Back to Estuary Blueprint Actions](#)

Plan for increased climate resiliency that incorporates natural resource protection.

Facilitate regional planning efforts to understand and address climate change impacts and advance climate adaptation that emphasizes the protection of natural resources.

Overview

The Estuary needs robust climate resilience planning to guide major collaborative action in the decades to come. This Action responds to the climate crisis and accelerates regional climate adaptation by setting regional objectives and guidelines, supporting critical climate change science, and advancing adaptation planning at the local level. Natural resources protection and restoration are key components of a regional response to climate change.



Task 1-1



Task 1-2



Task 1-3



Task 1-4



Task 1-5



Task 1-6



Task 1-7



Task 1-8

← Back to Estuary Blueprint Actions



Task Description

Implement the Bay Adapt Joint Platform to advance climate adaptation in the lower Estuary that supports protection of the Estuary's resources and its communities.

Task Lead(s)

San Francisco Bay Conservation and Development Commission

Task Collaborating Partner(s)

Local jurisdictions, community-based organizations, environmental organizations, San Francisco Bay Regional Water Quality Control Board, Metropolitan Transportation Commission/Association of Bay Area Governments, San Francisco Estuary Partnership, California State Coastal Conservancy, Bay Area Regional Collaborative, California Department of Transportation, Bay Area Climate Adaptation Network, San Francisco Estuary Institute, San Francisco Bay Regional Coastal Hazards Adaptation Resiliency Group (CHARG), Delta Stewardship Council, Delta Conservancy, U.S. Army Corps of Engineers

Cost Estimate Key

\$ - Up to \$100,000	\$\$ - Up to \$1 million	\$\$\$ - Up to \$10 million
\$\$\$\$ - Up to \$100 million	\$\$\$\$\$ - Over \$100 million	



Completion Level: 0%

Cost Estimate

\$\$

Milestone(s)

Delta Adapts Adaptation Strategy.

Estuary Blueprint: Climate Resilience

Advance natural resource protection while **planning** for increased climate resiliency

Overcome challenges to accelerate implementation of climate adaptation strategies that prioritize natural and nature-based strategies

Implement climate adaptation projects that prioritize natural and nature-based strategies



Estuary Blueprint: Sediment

Manage sediment on a regional scale and advance **beneficial reuse**.

Enhance **Estuary habitats and shoreline flood protection** through:

- Research to inform policy
- Development of management tools and structures
- Identification of funding opportunities



Visit:
www.sfestuary.org/estuary-blueprint/
Thank You!



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