

**SAN FRANCISCO BAY
COASTAL MANAGEMENT PROGRAM
2021-2025 ASSESSMENT AND STRATEGY**

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OUTLINE

- Coastal Zone Enhancement Program
- Draft Assessment and Strategy for 2021-2025 Cycle
 - Summary of Achievements
 - Phase I Assessment and Stakeholder Survey
 - Phase II Assessment
 - Strategy
- Public Comment
- Next Steps

WHAT IS THE ASSESSMENT AND STRATEGY?

Becky Smyth, West Coast Regional Director

NOAA Office for Coastal Management



San Francisco Bay Coastal Management Program Draft Assessment and Strategy 2021 to 2025 Enhancement Cycle



Bike Trail in Bothin Marsh, Marin County during King Tide
Photo Credit: Schuyler Olsson, San Francisco Bay Conservation Development and Commission

Prepared pursuant to the Provisions of Section 309 of the federal Coastal Zone Management Act for the Office for Coastal Management, National Ocean Service, National Oceanic and Atmospheric Administration

By

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NOAA'S COASTAL ZONE ENHANCEMENT PROGRAM

- What is the Coastal Zone Management Act Enhancement program?
- What is the connection to NOAA and the BCDC/NOAA partnership?
- What are the outcomes of this program?



Source: Megan Hall

ASSESSMENT AND STRATEGY PROCESS



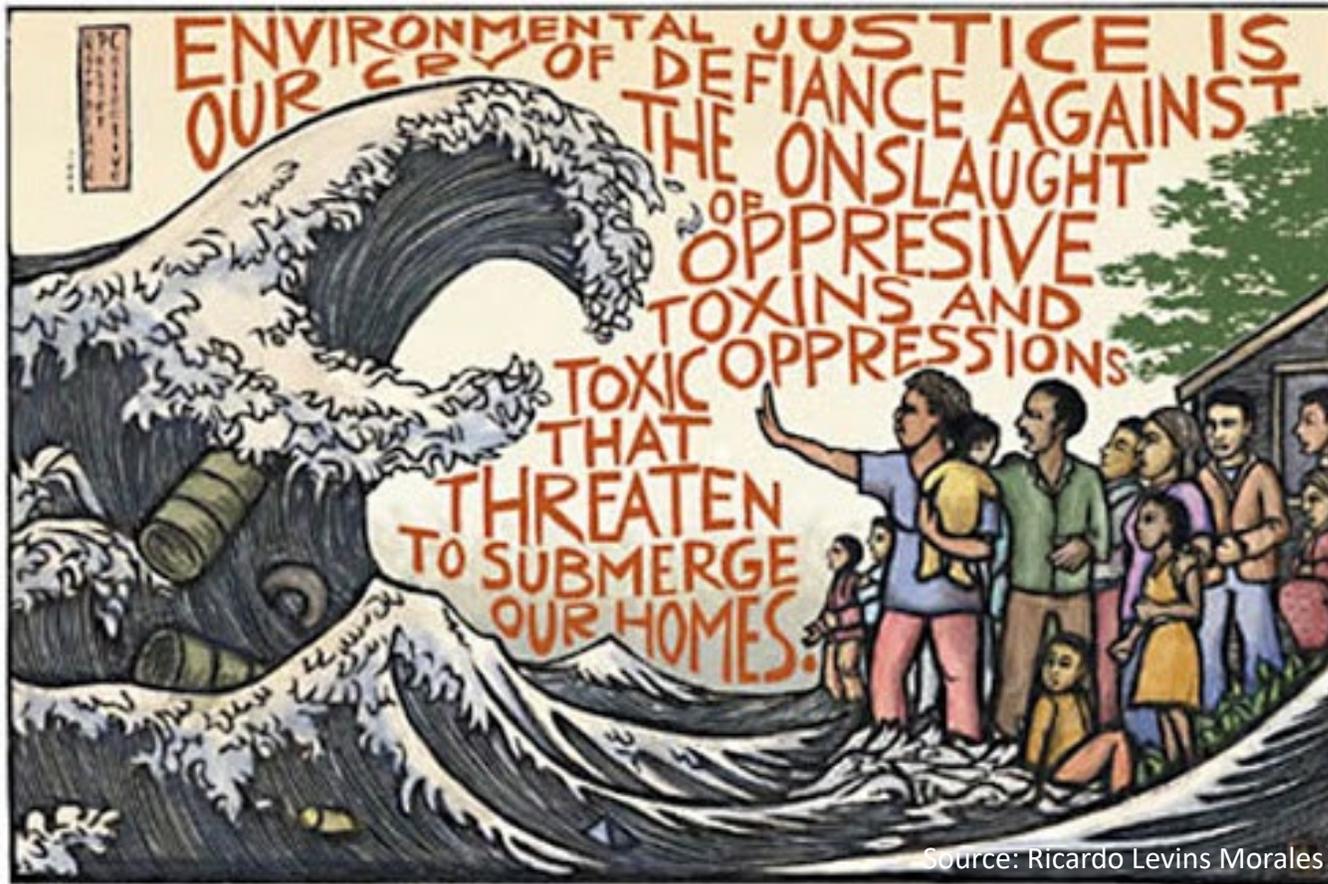
DRAFT ASSESSMENT AND STRATEGY FOR 2021-2025 CYCLE

- Summary of Achievements
- Phase I Assessment
 - Stakeholder survey
- Phase II Assessment
- Strategy

2016-2020 ASSESSMENT AND STRATEGY

- **Strategy 1:** Incorporate best available information into wetlands management, planning, and decision making
- **Strategy 2:** Improve the region's capacity to understand and address coastal hazard risks
- **Strategy 3:** Evaluate and update Special Area Plans and Sector Plans

SUMMARY OF ACHIEVEMENTS – 309 FUNDED



Environmental Justice and Social Equity Bay Plan Amendment (FY 2017-2019)



Adapting to Rising Tides portfolio (FY 2016-2017)



Climate Change Policy Guidance (FY 2019-2020)



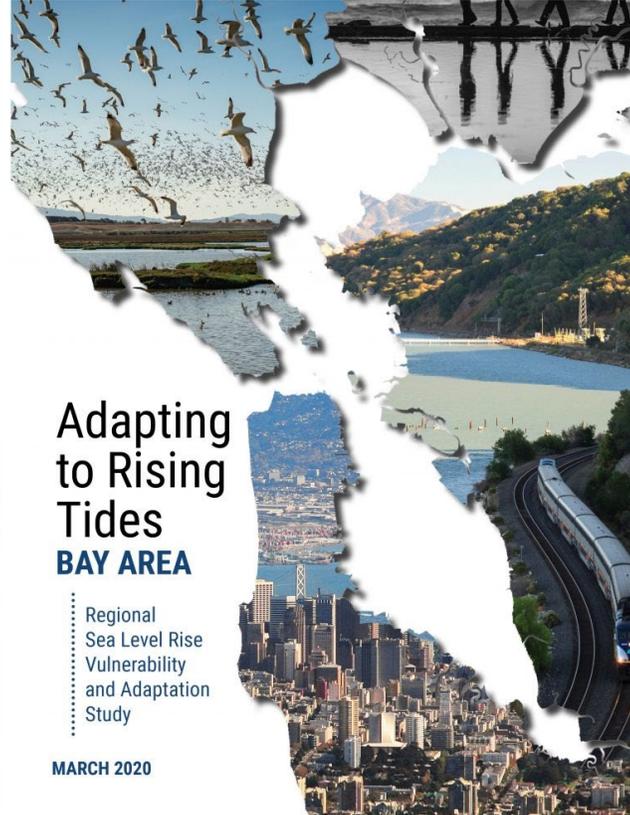
Suisun Marsh Protection Plan Amendment (FY 2020-2021)

SUMMARY OF ACHIEVEMENTS – 309 RELATED

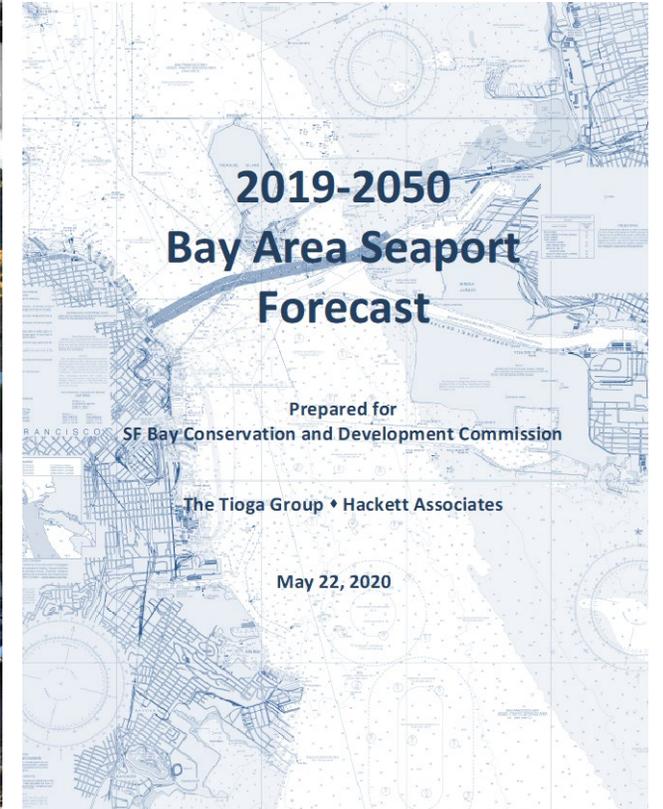


Source: USACE ERDC

Fill for Habitat Bay Plan Amendment (2019)



ART Bay Area (2020)



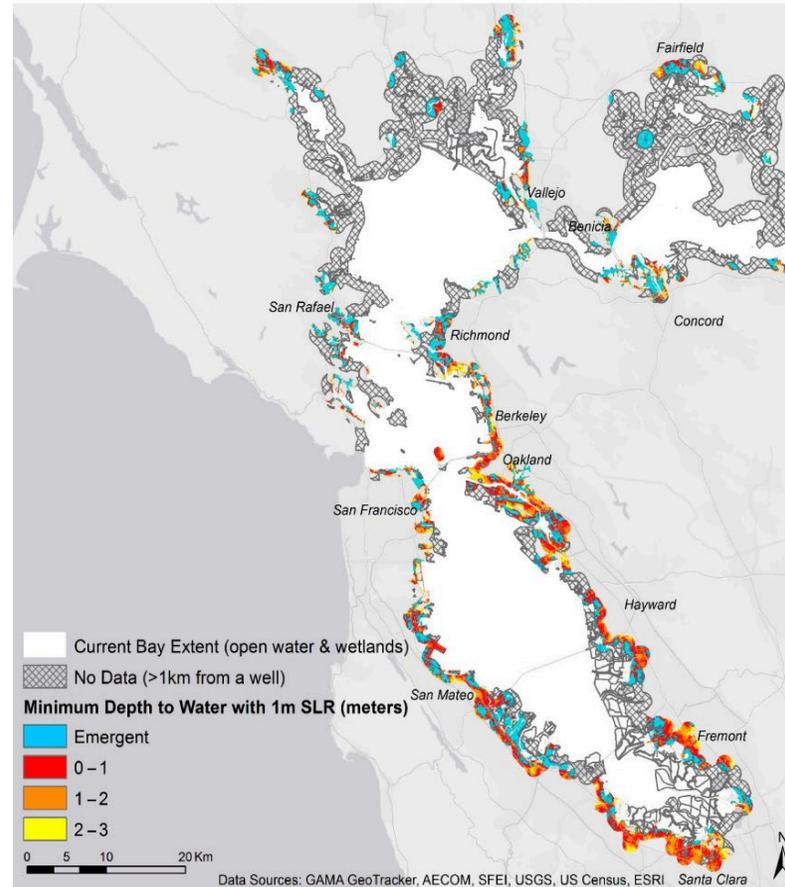
Seaport Plan Update (ongoing)

PHASE I ASSESSMENT

- High-level assessment for each of the Priority Enhancement Areas:
 - Wetlands
 - Coastal Hazards
 - Public Access
 - Marine Debris
 - Special Area Management Planning
 - Cumulative and Secondary Impacts
 - Coastal and Estuarine Resources
 - Energy and Government Facility Siting
 - Aquaculture

PHASE I ASSESSMENT

- Resource characterization: current extent, status, and trends



Example: Groundwater rise (Plane et al. 2019)

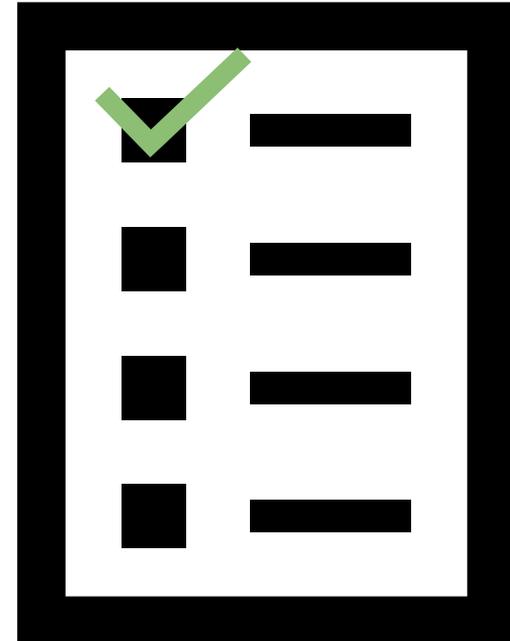
PHASE I ASSESSMENT

- Resource characterization: current extent, status, and trends
- Management characterization
 - Types and effectiveness of current management practices
 - Significant program changes

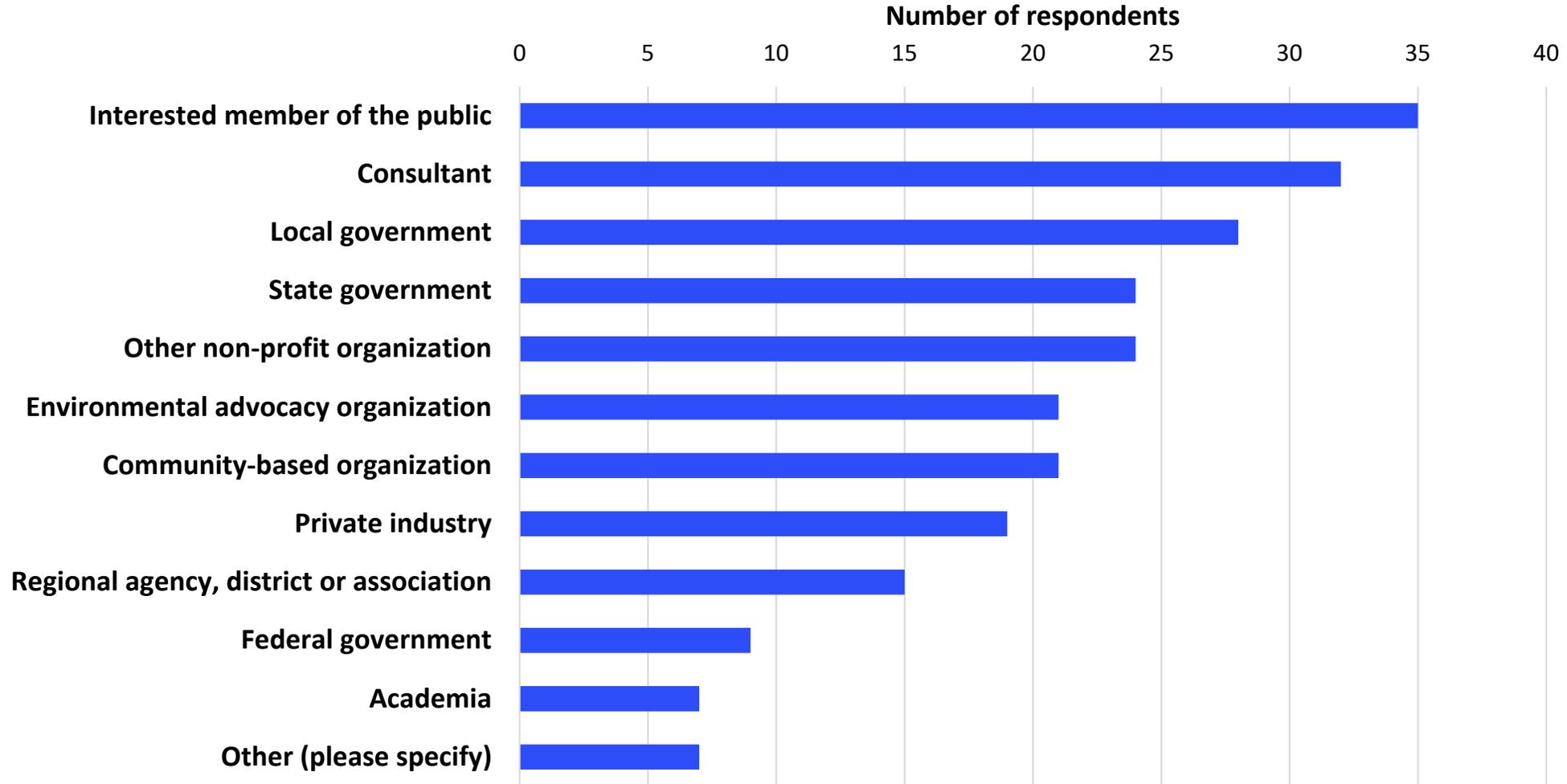


PHASE I ASSESSMENT

- Resource characterization: current extent, status, and trends
- Management characterization
 - Types and effectiveness of current management practices
 - Significant program changes
- Enhancement area prioritization
 - High, medium, or low
 - Based on resource and management characterization
 - Based on stakeholder and staff surveys

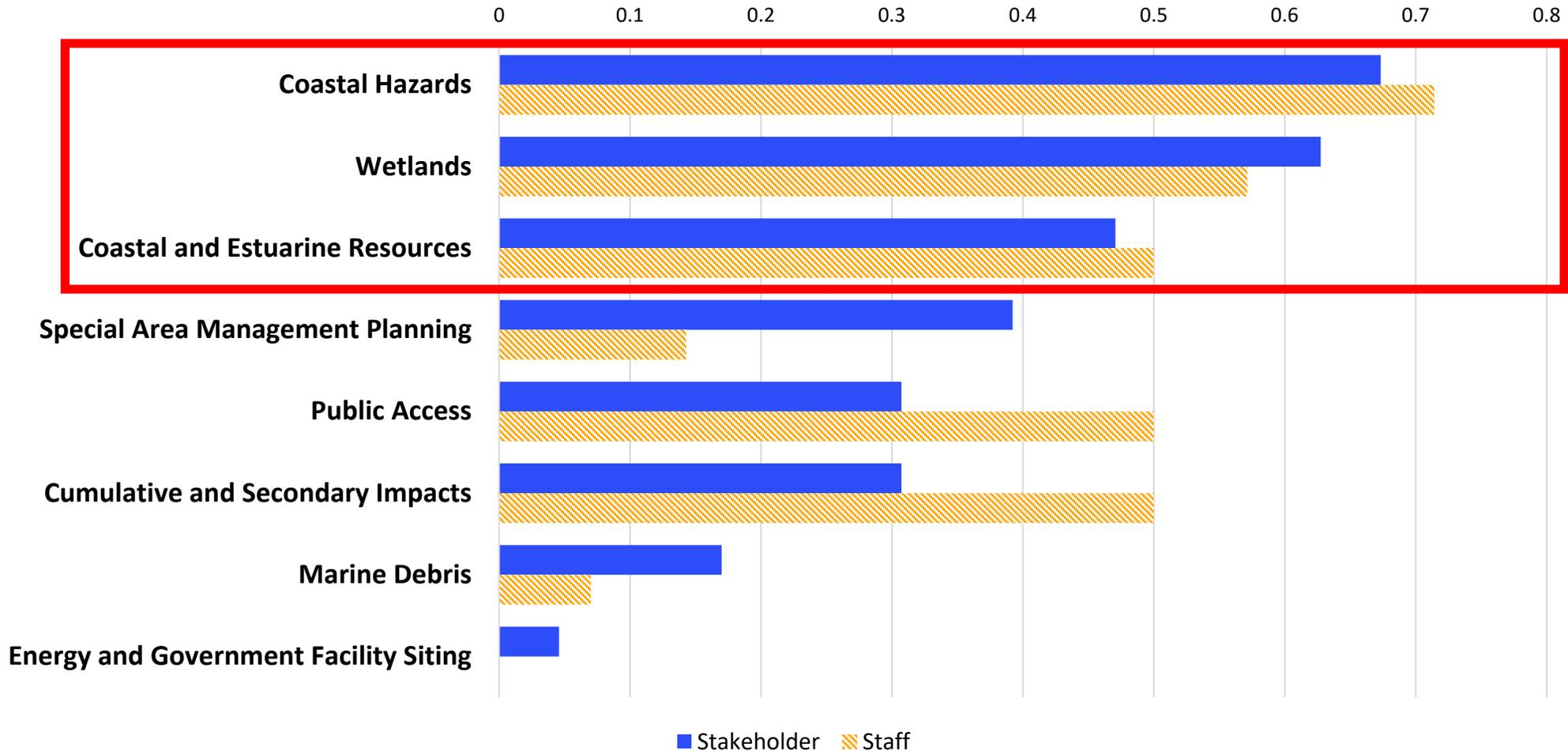


STAKEHOLDER SURVEY - AFFILIATION



STAKEHOLDER SURVEY - PRIORITIES

Proportion of Respondents



PHASE II ASSESSMENT

- Conducted for high-priority enhancement areas from Phase I Assessment:
 - Wetlands
 - Coastal Hazards
 - Coastal and Estuarine Resources
- Identification of significant issues, management priorities, needs and gaps



PHASE II ASSESSMENT: WETLANDS

- Wetlands Significant Issues:
 - Rising sea level
 - Lack of migration space
 - Limited sediment supply
- Management Priorities:
 - Investigating the feasibility and efficacy of wetland adaptation measures
 - Improving regulatory permitting for wetlands
 - Encouraging wetland restoration for shoreline protection of the built environment



Source: Megan Hall

PHASE II ASSESSMENT: COASTAL HAZARDS

- Coastal Hazards Significant Issues:
 - Rising sea level and groundwater rise
 - Temporary flooding (coastal storms, wave runup, riverine flooding)
 - Compounding effects of multiple hazards
- Management Priorities:
 - Planning for the impacts of rising sea level and coastal flooding
 - Coordinating equitable regional adaptation actions
 - Supporting local adaptation planning and implementation processes



PHASE II ASSESSMENT: COASTAL AND ESTUARINE RESOURCES

- Coastal and Estuarine Resources Significant Issues:
 - Rising sea level/coastal flooding
 - Public Access/restoration conflicts
 - Changing recreational boating needs
- Management Priorities:
 - Addressing public access needs and conflicts.
 - Addressing changing needs of recreational boaters in the Bay
 - Updating coastal resource/use management plans



STRATEGY

- Describes specific activities leading to program changes
 - To address the identified needs, gaps and opportunities
 - That could be achieved in the 5-year period from FY 2021-2025
- Two strategies proposed
 - **Strategy 1:** Improve the Region's Capacity to Understand and Adapt to Current and Future Coastal Hazards
 - **Strategy 2:** Improve Coastal Management Related to Water-Oriented Uses



Source: Schuyler Olsson

STRATEGY 1

Improve the Region's Capacity to Understand and Adapt to Current and Future Coastal Hazards

Possible program changes:

- Bay Plan amendments:
 - Fill for Shoreline Protection
 - Beneficial Reuse of Dredged Sediment
 - Adaptive Management
- Suisun Marsh Protection Plan amendment
- Bay Adapt Joint Platform implementation



STRATEGY 1

Improve the Region's Capacity to Understand and Adapt to Current and Future Coastal Hazards

Needs addressed:

- Increase resilience of wetlands, communities, and the built environment to rising sea level
- Facilitate implementation of rising sea level adaptation measures



STRATEGY 2

Improve Coastal Management Related to Water-Oriented Uses

Possible program changes:

- Policy amendments:
 - To address public access, restoration, sea level rise, equity conflicts
 - To address changing recreational boating and liveboard needs



Source: SF Bay Trail



Source: Berkeley Marina

STRATEGY 2

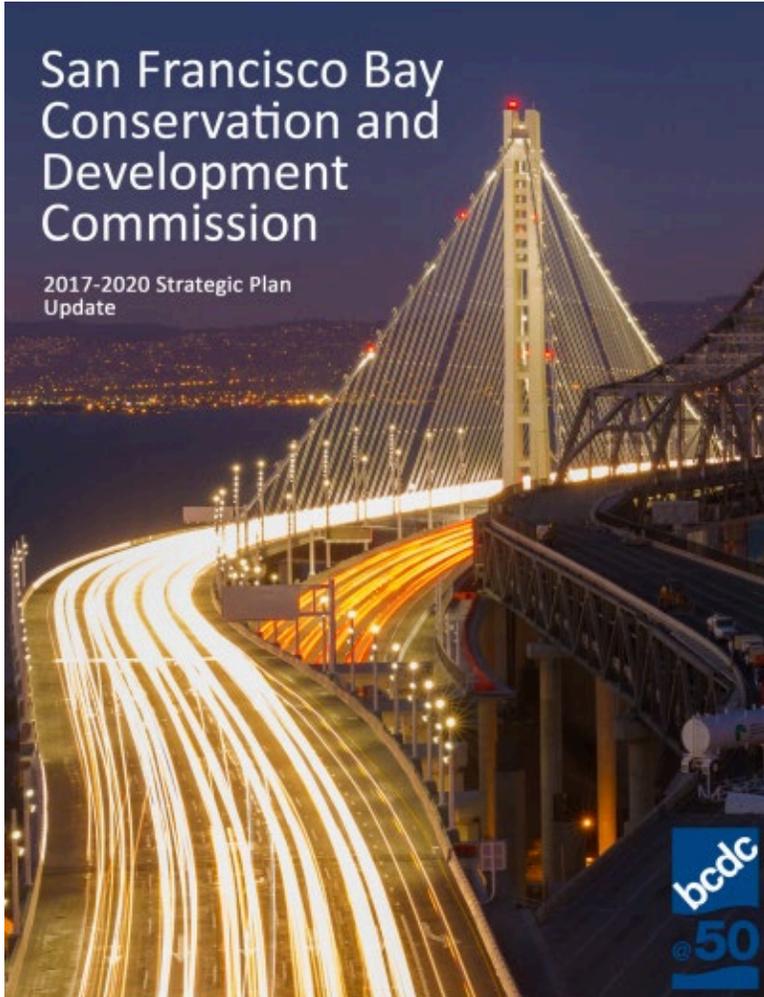
Improve Coastal Management Related to Water-Oriented Uses

Needs addressed:

- Resolve conflicts between public access and restoration with sea level rise and equity in mind
- Address increased liveaboard demand
- Improve management considering changing recreational boating trends



RELATIONSHIP TO BCDC STRATEGIC PLAN



VISION: Be the national model for coastal management.

MISSION: To protect and enhance the San Francisco Bay, and encourage the responsible and productive use of its resources for this and future generations.

GOAL 1: Enhance the Bay's unique contributions to the Bay Area and enable all its communities to flourish.

GOAL 2: Increase the Bay's natural and built communities' resilience to rising sea level.

GOAL 3: Improve organizational health and performance.

PUBLIC COMMENT

- San Francisco Bay Trail Project
- California State Lands Commission
- Richard Jepsen (Vice President U.S. Sailing)
- Hunter Cutting
- Citizens' Committee to Complete the Refuge
- Carisa Harris Adamson (co-founder Treasure Island Sailing Center)
- Howard Strassner

NEXT STEPS

- Incorporate public and Commission comments
- Publish final staff recommendation
- Commission vote, likely 9/17/20
- Submission of final draft Assessment and Strategy to NOAA OCM
- NOAA OCM approval of final draft Assessment and Strategy
- Strategy implementation (July 2021)

PUBLIC COMMENT



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<https://www.bccdc.ca.gov/planning/NOAA-coastal-zone-management-309-report.pdf>