San Francisco Bay Conservation and Development Commission (BCDC)

Briefing on Sea Level Rise Adaptation activities in **San Francisco Bay**

BCDC Commission Meeting

September 17, 2026

Regional Shoreline Adaptation Plan

An implementing project of BAY ADAPT

bcdc

Photo from the California Tides project, 2020

What's at risk?

- **20,000** acres of wetlands habitat
- **5 million** daily vehicle trips
- **60,000** daily rail commuters
- **83,000** existing housing units and new units
- **191,000** existing jobs and new jobs
- **28,000** socially vulnerable residents

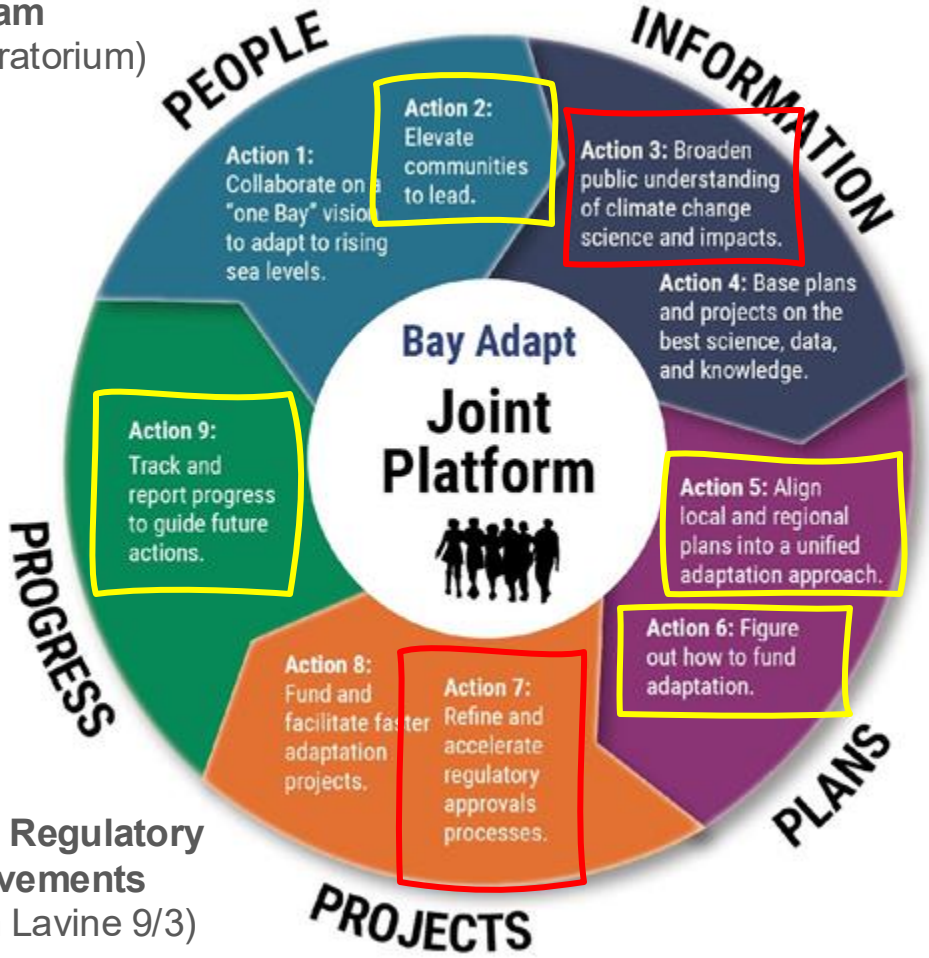
Spread across **9** counties, **42** cities **100s** of Special Districts, and **1000s** of public and private properties surrounding **1** Bay

ART Bay Area, 2020. Risks at 4' SLR. Funding and Investment Framework, 2023.

Regional Shoreline Adaptation Plan
An implementing project of BAY ADAPT

bcdc

SLR Education Program
(Exploratorium)



BCDC Regulatory Improvements
(Ethan Lavine 9/3)

AGENDA

1. **Interagency MOU on SLR and Funding Annual Report**
2. **Regional and Local Shoreline Adaptation Planning**
3. **Shoreline Leadership Academies**
4. **Bay Adapt Project & Funding Navigator**
5. **Next Steps**

Interagency MOU on Sea Level Rise & Flooding

7 Regional Agencies

<u>Fund Management</u>: *Securing and Awarding Federal, State, and Regional Funding*

<u>Planning</u>: *Preparing for SLR and Flooding Risks*

<u>Technical Assistance</u>: *Supporting Project Development and Delivery*

<u>Regulatory Alignment</u>: *Permitting for Adaptation*

<u>Coordination</u>: *Collaboration and Decision-making Among Agencies*

Icon credit: TheNounProject, Pixelz Studio

Interagency MOU on Sea Level Rise & Flooding (2)

	ABAG/ SFEP	BAAD	BARC	BCDC	Caltrans D4	MTC	SCC	Water Board
Fund Management	✓	✓	✓	✓	✓	✓	✓	✓
Planning	✓	✓	✓	✓	✓	✓	✓	✓
Technical Assistance	✓	✓	✓	✓	✓	✓	✓	✓
Regulatory Alignment	✓	✓	✓	✓	✓	✓	✓	✓
Coordination	✓	✓	✓	✓	✓	✓	✓	✓

✓ **Prime** ✓ **Responsible** ✓ **Involved**

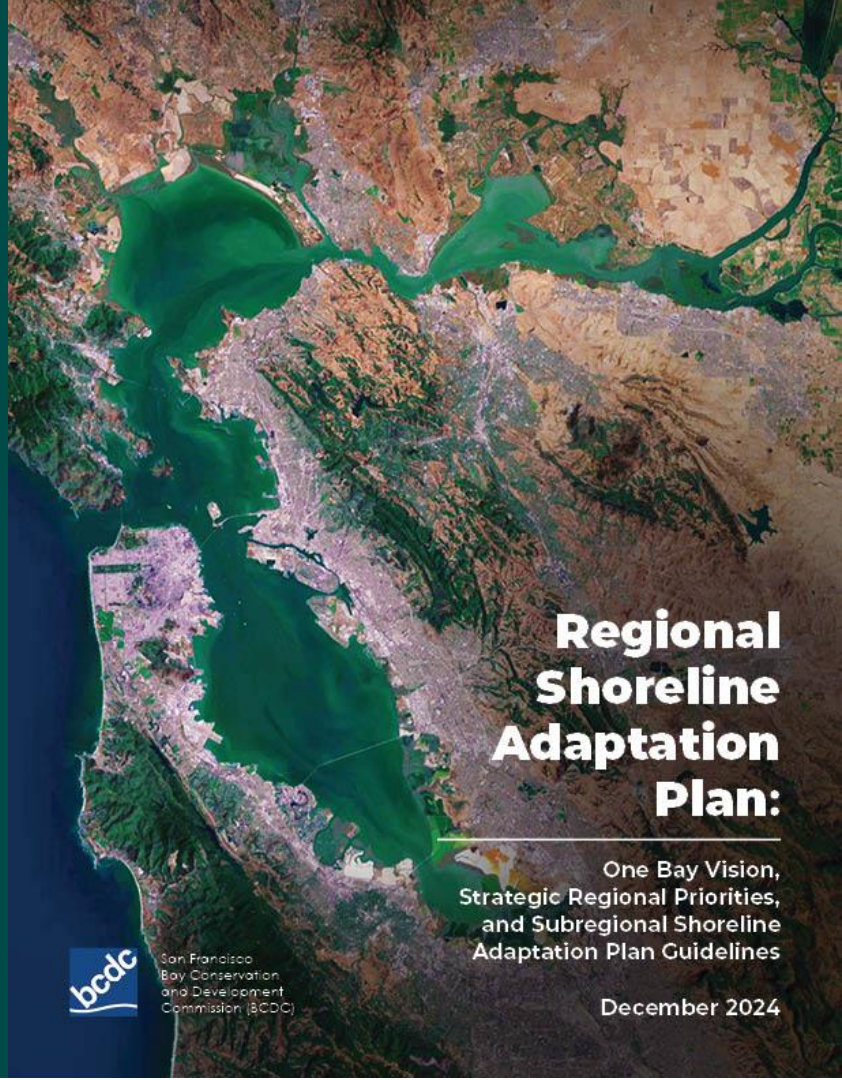
Functional Area/Lead Agency (Supporting Agencies)	Key Accomplishments in FY 2025-2026
Planning / BCDC (MTC-ABAG)	❑ 12 jurisdictions formally initiated RSAP planning process; ❑ Draft Bay Adapt Project and Funding Navigator tool developed
Fund Management / SCC (BCDC, BARC, ABAG/SFEP, Caltrans, Water Board)	❑ Shoreline Funding Pathways Project development initiated with US ACE ❑ US ACE & US EPA funding secured by partners for myriad shoreline adaptation planning, project development, and implementation efforts ❑ Successful lobby to release $70M in federal disaster relief funds ❑ Garamedi ADAPT Act introduced
Technical Assistance / ABAG-SFEP (BARC, BCDC, Caltrans, MTC, SCC, Water Board)	❑ BayCAN Climate Library launched ❑ RSAP-related Technical Assistance portfolio expanded and enhanced ❑ Direct support provided to multiple jurisdictions, special districts, and transportation authorities for complex planning and project development
Regulatory Alignment /no lead agency (BAAD, BCDC, Water Board)	❑ Seven projects fully permitted by the Bay Restoration Regulatory Integration Team (BRRIT) ❑ New regulations, internal guidance, and policies developed to simplify, enable and better align regulations with sea level rise adaptation
Coordination / BARC (BCDC)	❑ Monthly meetings of MOU signatory agency staff to coordinate and share ❑ Quarterly meeting of Bay Adapt Implementation Coordinating Group

Regional Shoreline Adaptation Plan (RSAP) implementation program update

Jackie Perrin-Martinez
Climate Adaptation Planning Manager

The RSAP and Subregional Plans

- The Regional Shoreline Adaptation Plan (RSAP) includes guidelines for local governments, as required by SB 272.
- 51 Bay Area jurisdictions have until January 2034 to develop subregional shoreline adaptation plans.
- Projects in approved plans are prioritized for state funding.

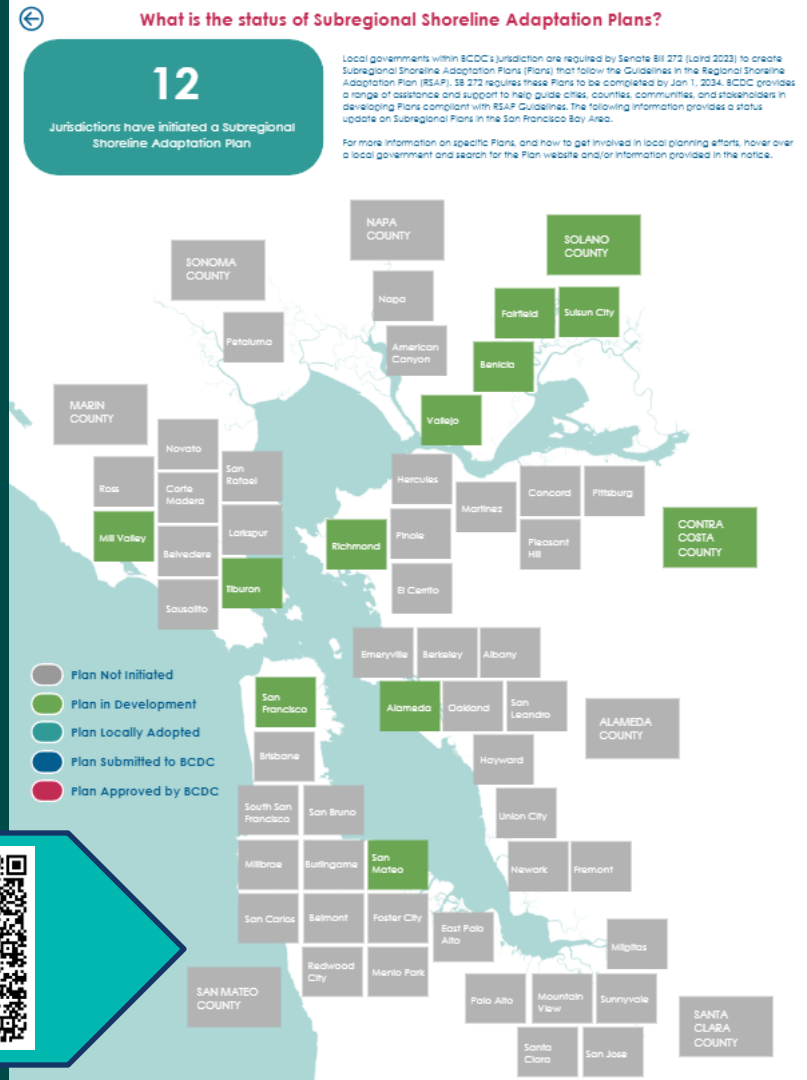


Who has initiated a plan?

8 **Plans publicly initiated and noticed!**

- Solano Bayshore Resiliency Project (Solano County, Suisun City, Fairfield*, Vallejo, Benicia)
- City of Alameda
- City of San Mateo
- City and County of San Francisco
- City of Richmond
- Mill Valley
- Contra Costa County
- City of Tiburon

24% (12/51) Of jurisdictions **required** to create a Subregional Plan have publicly initiated (plus one **not** required*)



Track SB1 grants on the CA Grants Portal! ←

Plans on the horizon

+8 Upcoming plans that have been awarded SB1 funding grants (but not yet initiated)

- **Sonoma County North Bay** (Sonoma County, Petaluma)
- **San Mateo County Southern Bayside Cities** (Belmont, San Carlos, Redwood City, Menlo Park, East Palo Alto)
- **Santa Clara County-wide** (Santa Clara County, Mountain View, Palo Alto, San Jose, Sunnyvale)
- **Napa County**
- **City of American Canyon**
- **Cities of Pinole and Hercules**
- **City of Pittsburg***
- **East Bay Crescent** (Albany, Berkeley, Emeryville)

Plans initiated + those funded above would make up **>60% (31/51)** required jurisdictions

Trends and Lessons

- Most initiated plans are **currently single-jurisdiction**, but incoming plans are largely looking like multi-jurisdictional.
- There is a **diversity of plan leads** reflecting the diversity of collaborative structures across the region.
- BCDC launched the Peer Learning Community with over 50 participants eager to learn from one another. We heard that peer meetings should be **practical, candid, and flexible**.

SHORELINE LEADERSHIP ACADEMY:

PROGRAM OVERVIEW & EVALUATION

Dalila Adofo
Climate Equity and Community Outreach Manager

Build leadership skills

Engage with experts

Learn by doing in real-world settings

$262,500

Inflation Reduction Act Grant

CURRICULUM METHODOLOGY

Alignment with Regional Shoreline Adaptation Plan (RSAP) Modules and combined virtual learning and in-person experiences to explore shoreline issues in **real-world context.**

1 HYBRID LEARNING

Build knowledge and connections

Live presentations, expert discussions, and interactive sessions introduce key shoreline topics and diverse perspectives.

2 IN-PERSON EXPERIENCE

See it. Discuss it. Apply it.

Field visits and site-based learning connect concepts to local realities and community voices.

INFORMATIVE. COLLABORATIVE. IMPACTFUL.

Participants engage with experts, practitioners, and community members to deepen understanding and inspire action.

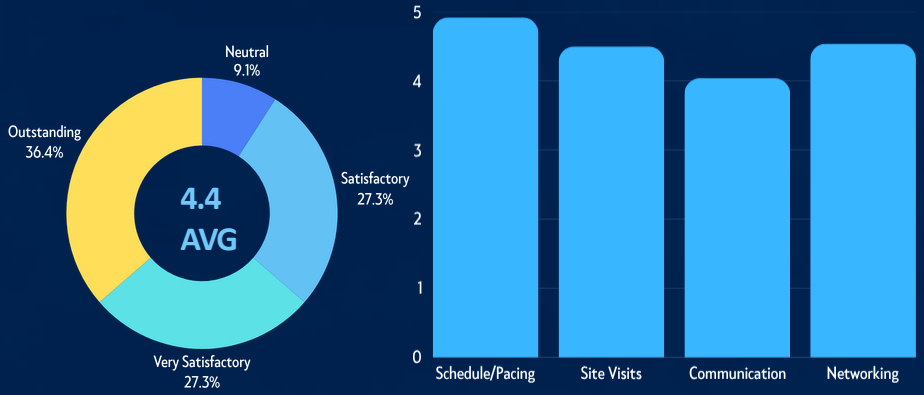
TOPICS EXPLORED

- Sea level rise
- Flooding
- Local Planning and Permitting
- Contaminated sites
- Economic development
- Environmental Justice

SAN FRANCISCO AND CONTRA COSTA COUNTY

- 27 sessions
- 13 Site Visits and 44 Experts
- Served 43 participants
- Intergenerational, demographically and geographically diverse
- 2025-2026

PROGRAM EXPERIENCE RATINGS (1-5)



LOOKING AHEAD
& THANK YOU

1. Creating Stronger Website Presence
2. Exploring Ways to Continue Program
3. After Action Workshop or Event

Thank you to our sponsor, participants, partners, and supporters for **driving meaningful change** along our Bay shoreline

The Bay Adapt Project & Funding Navigator

A tool to unlock insights on sea level rise adaptation projects, project benefits, and funding opportunities.

Joint MTC Planning Committee with the ABAG Administrative Committee
October 9th, 2026

Ujay Siddharth, BCDC, Climate Environmental Scientist
Kate Lyons, MTC/ABAG, Resilience and Environmental Planner
Cory Copeland, BCDC, ART Data & Science Manager

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METROPOLITAN TRANSPORTATION COMMISSION

BAY ADAPT
REGIONAL STRATEGY FOR A RISING BAY

How Much Will it Cost?

Adaptation Needs

$96 billion

Estimated cost of sea level rise adaptation through 2050

Source: Plan Bay Area 2050+ Forecast (in Year of Expenditure dollars)

Cost of Inaction

$230+billion

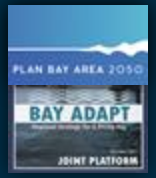
Estimated value of a subset of assets at risk through 2050

Source: 2023 MTC/ABAG/BCDC Funding & Investment Framework

The cost of inaction is far higher than the cost of adaptation.

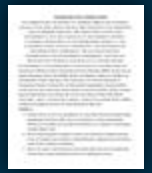
We stand to lose much more if we do not act.

What Regional Efforts Led to the Navigator?



Plan Bay Area 2050 & Bay Adapt Joint Platform (2021)
Both called for an Investment Framework and Investment Strategy.

Investment Framework (2023)
Substantive update to Plan Bay Area 2050 regional adaptation costs.



Interagency Sea Level Rise and Flooding MOU (2024)
Identified BCDC and MTC as leads on an Investment Strategy.

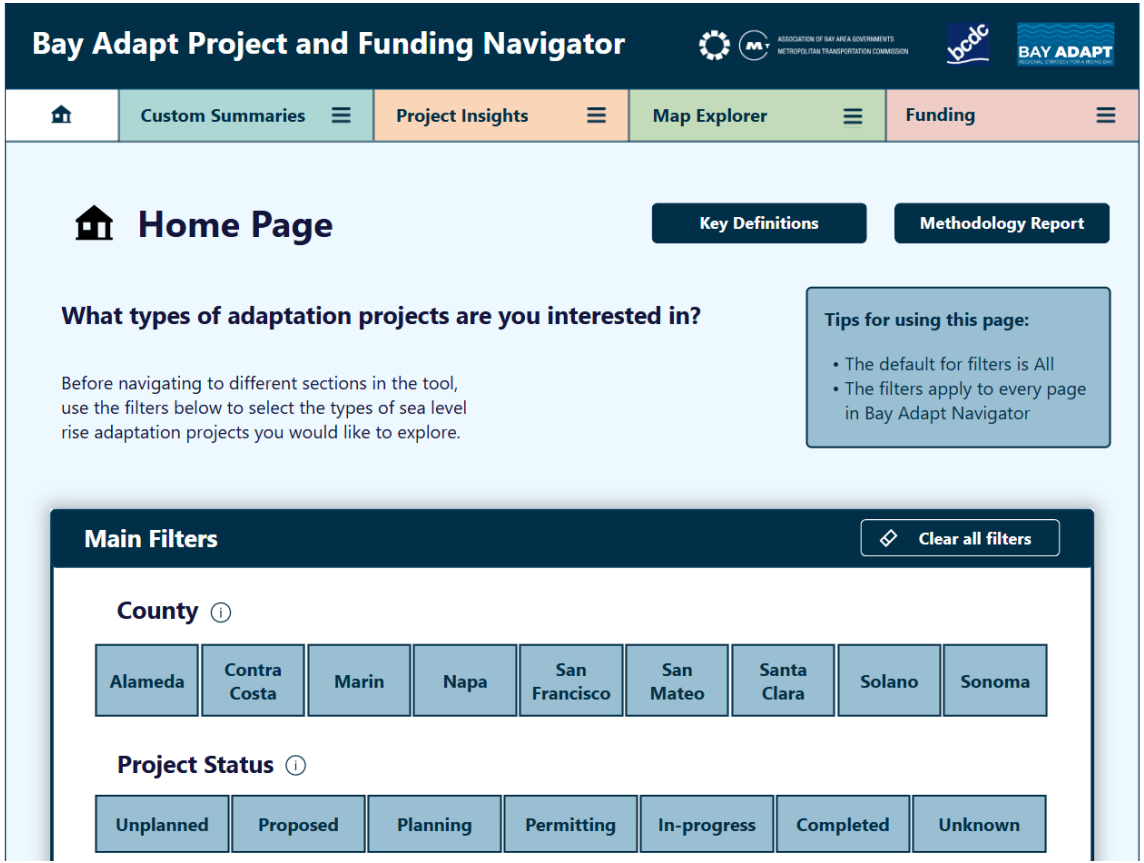
Regional Shoreline Adaptation Plan (2024)
Set guidelines for the creation of SB 272-compliant shoreline plans.

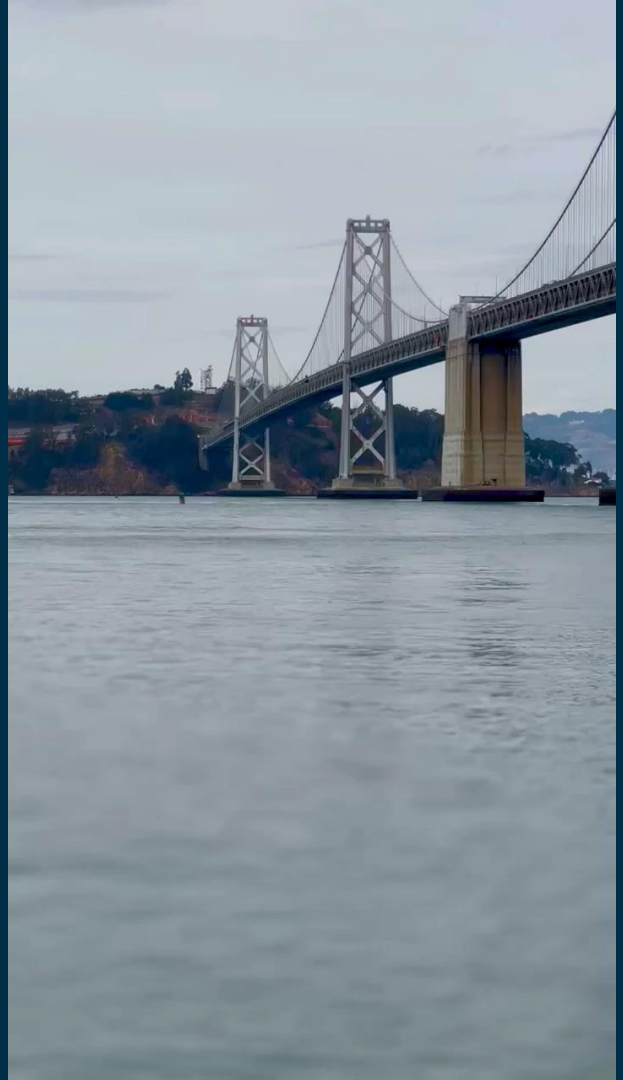
Plan Bay Area 2050+ (2025)
Leveraged Investment Framework to create the Resilience Project List.

What is the Bay Adapt Navigator?

A **living dashboard** that **tracks the cost of sea level rise adaptation** and empowers the San Francisco Bay Area to **connect and explore adaptation projects and funding opportunities.**

It is the first step towards a regional **Investment Strategy** for sea level rise adaptation.





Watch it online:
https://www.bayadapt.org/wp-content/uploads/2026/09/Navigator-Promo_20260909_720p.mp4

How Can I Use the Navigator?

Grant makers and funding agencies can identify projects aligned with program goals and target outreach based on custom criteria.

Local planners can browse projects activities in their planning area and access useful data.

Advocates can generate customized snapshots that describe a specific funding ask rather than the full regional total.

Grant applicants can quickly view relevant funding opportunities and find other projects that could help put together a compelling grant application.

How Was the Navigator Created?

May 2025 – May 2026

Data Improvement & Tool Development

6
Steering Committee Meetings

18+
Organizations Involved

Input gathered on useful products and layouts, measuring project benefits, and more.

- Local, regional, state, federal partners
- NGOs & experts

May 2026 – Today

Tool Testing

37
Users Tested

9
User Testing Sessions

- Local, regional, state, federal partners

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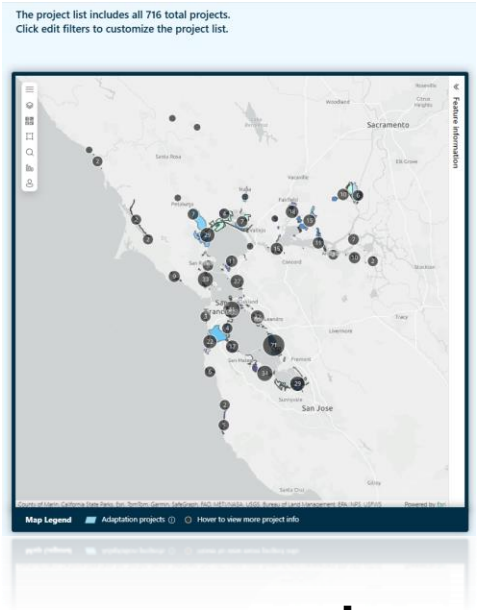
From Data Collection to Decision Making

Existing project data flows into the Navigator



1. The region already collects project data in the Shoreline Adaptation Project Map (SAPMap).

- Local agencies have updated SAPMap annually since 2021.
- The 2026 annual SAPMap update is underway through **October 30, 2026.**

2. Now, users can analyze and visualize that data in Navigator.

Data is enhanced and becomes easier to access, visualize, and analyze.

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METROPOLITAN TRANSPORTATION COMMISSION

How will the Navigator Support Regional Investment?

Align regional advocacy for active funding opportunities.

Leverage the Navigator for parallel regional efforts like Plan Bay Area 2060, RSAP-compliant plans & projects, and others.

Explore the development of an Investment Strategy roadmap to build consensus on funding and financing instruments for implementation.

A Living Tool: *The project team will continue to improve the Navigator and work with regional partners to keep data up-to-date.*

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METROPOLITAN TRANSPORTATION COMMISSION

Thank You!

And a special thanks to our Steering Committee!

Bay Adapt Project & Funding Navigator

Contacts:

- Cory Copeland, BCDC Project Manager: *cory.copeland@bcdc.ca.gov*
- Kate Lyons, MTC-ABAG Lead: *klyons@bayareametro.gov*

Project Website: Bayadapt.org/navigator

Introduction Webinar: October 13, 2026 1pm, https://bit.ly/navigator-webinar

SAPMap Annual Update

Contact: Todd Hallenbeck, BCDC: *todd.hallenbeck@bcdc.ca.gov*

Office Hours: 1st Tuesday of the month from 9:30-10:30 a.m.: *https://sfbayjv.org/conservation/projects/tracking/*

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BAY ADAPT REGIONAL STRATEGY FOR A RISING BAY

What's Next?

- Advance RSAP planning
- Explore partnerships for future Shoreline Leadership Academies
- Funding Navigator outreach
- Tell the story: Rising Together Summit & more
- Bay Adapt Strategy "Refresh," funding and policy advancement
- Beneficial Reuse Bay Plan Amendment (10/15 Hearing)

THANK YOU!

Jessica Fain
Director of Planning

Dana Brechwald
Assistant Planning Director for Climate Adaptation

Dalila Adofo
Climate Equity and Community Outreach Manager

Jackie Perrin-Martinez
Climate Adaptation Planning Manager

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Adapting to Rising Tides Data and Science Manager

Ujjay Siddharth
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