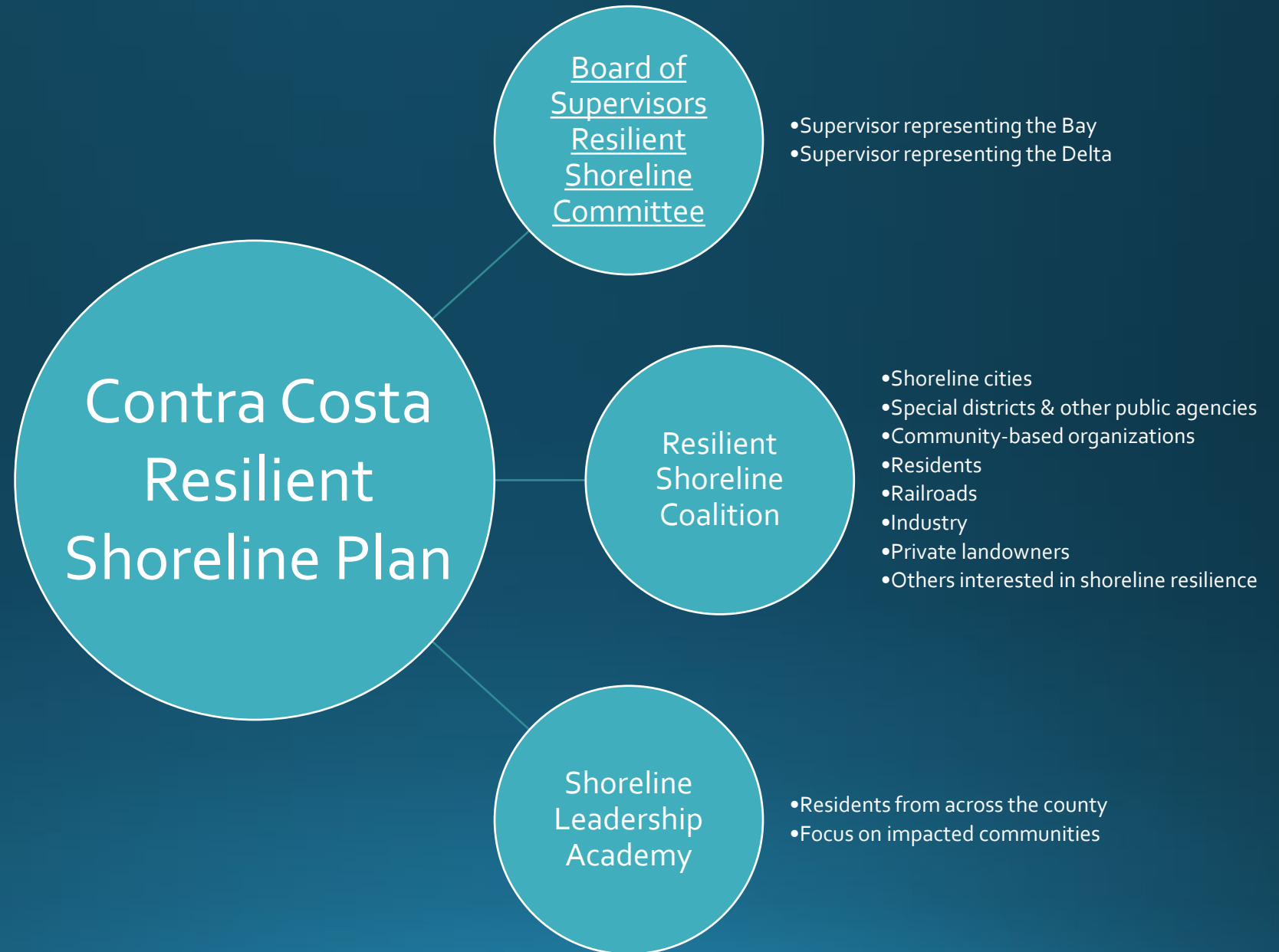


2025 Contra Costa Resilient Shoreline Plan Progress

Climate Action and Adaptation Plan Implementation Update:
Resilient Communities and Natural Infrastructure Section

Nicole Shimizu, Department of Conservation and Development
December 8, 2025

The County as a Convener and Facilitator



Contra Costa Resilient Shoreline Plan

County Awarded \$1,499,285 through Ocean Protection Council SB 1 Grant Program

Plan covers entire 90-mile shoreline from Bay to Delta

- Focus on impacted communities
- Coordinating and organizational role for local plans in alignment with BCDC Regional Shoreline Adaptation Plan guidelines
- Explores natural and constructed infrastructure

Phase 1: Community Visioning

- Participatory community engagement campaign
- Visioning workshop series
- Inventories of shoreline parcels and existing planning efforts

Phase 2: Data/Information Gathering

- Strategic update to County's existing vulnerability assessments

Phase 3: San Francisco Bay Shoreline Adaptation Plans

- Adaptation pathways and Plan review workshop series
- Plan will include adaptation pathways, implementation actions, partnership needs, financing strategies, and metrics

Contra Costa Resilient Shoreline Plan's Alignment with Regional Sea Level Planning Efforts

- Contra Costa Resilient Shoreline Plan is due by 2034 (SB 272, 2023)
- Regional Shoreline Adaptation Plan Topic Areas

Community Health
& Well-Being

Ecosystem Health &
Resilience

Development,
Housing & Land Use

Critical
Infrastructure &
Services

Public Access &
Recreation

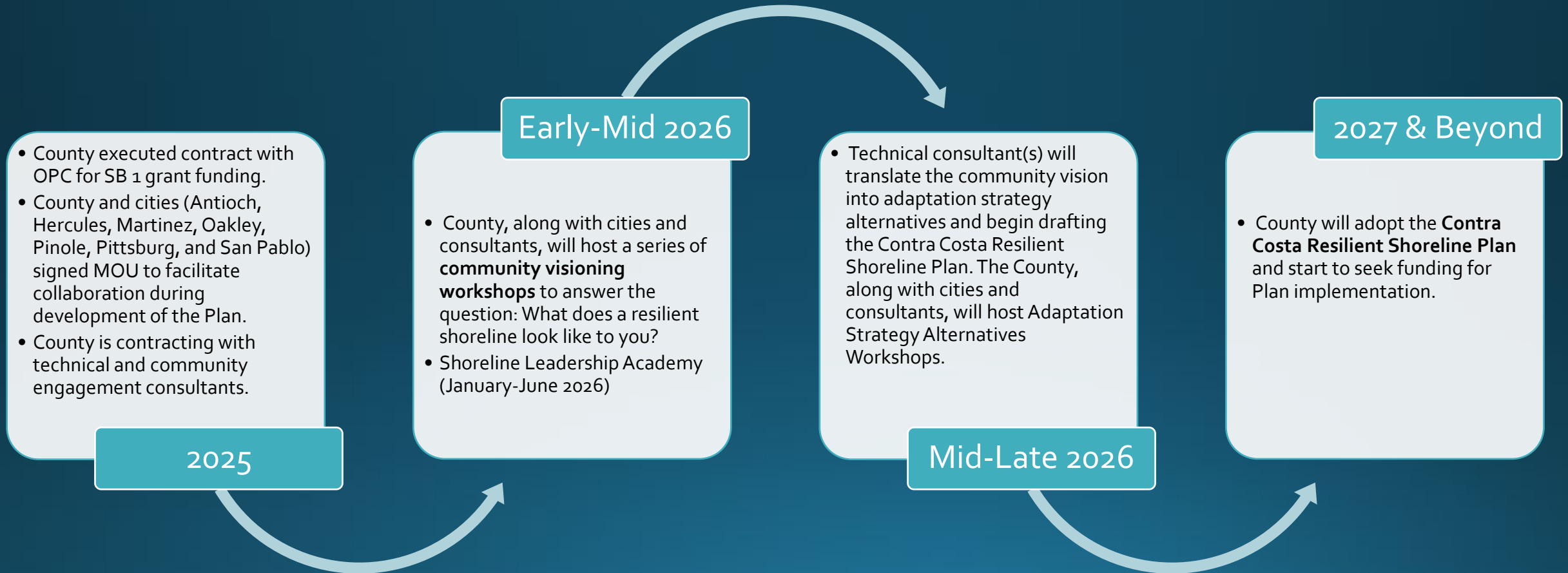
Transportation &
Transit

Shoreline
Contamination

Collaborative
Governance, Flood
Management &
Funding

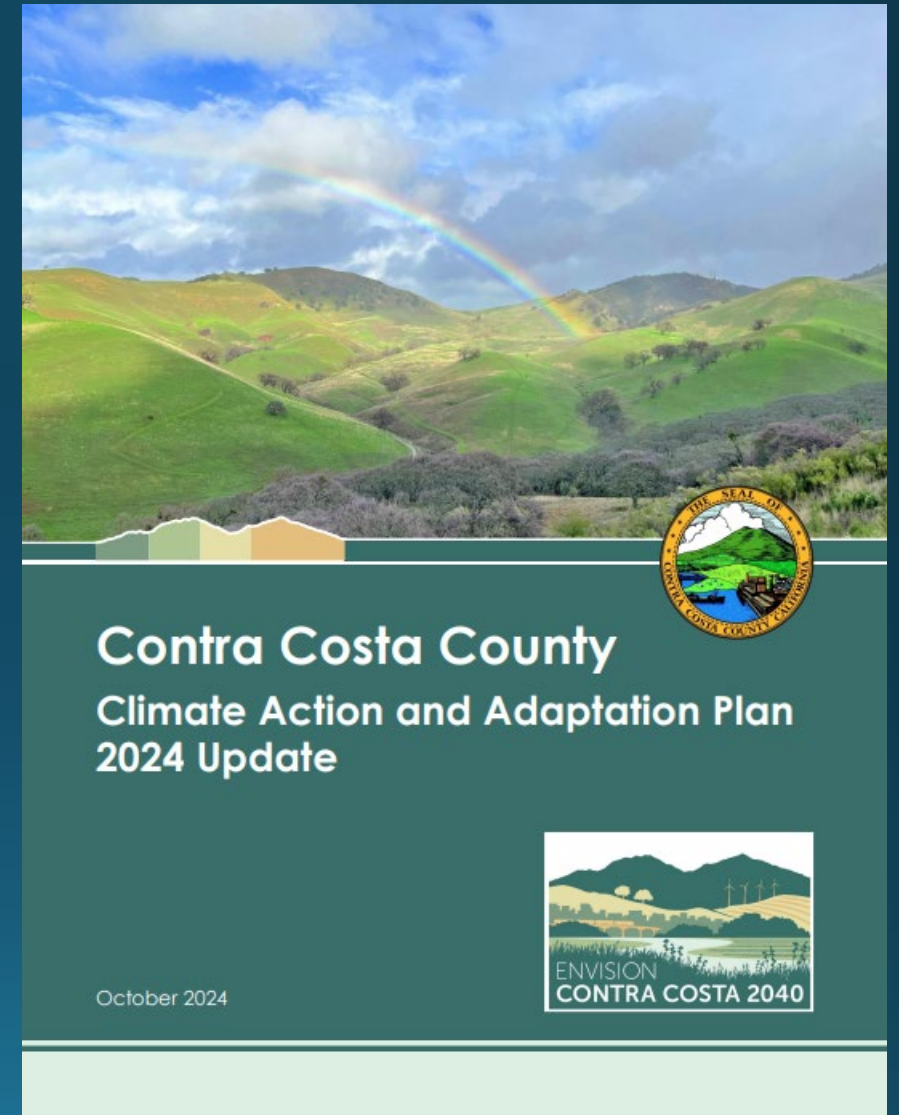
Contra Costa Resilient Shoreline Plan

Key Milestones



Resilient Communities and Natural Infrastructure (NI)

Contra Costa County will increase resilience to climate hazards and foster community health.



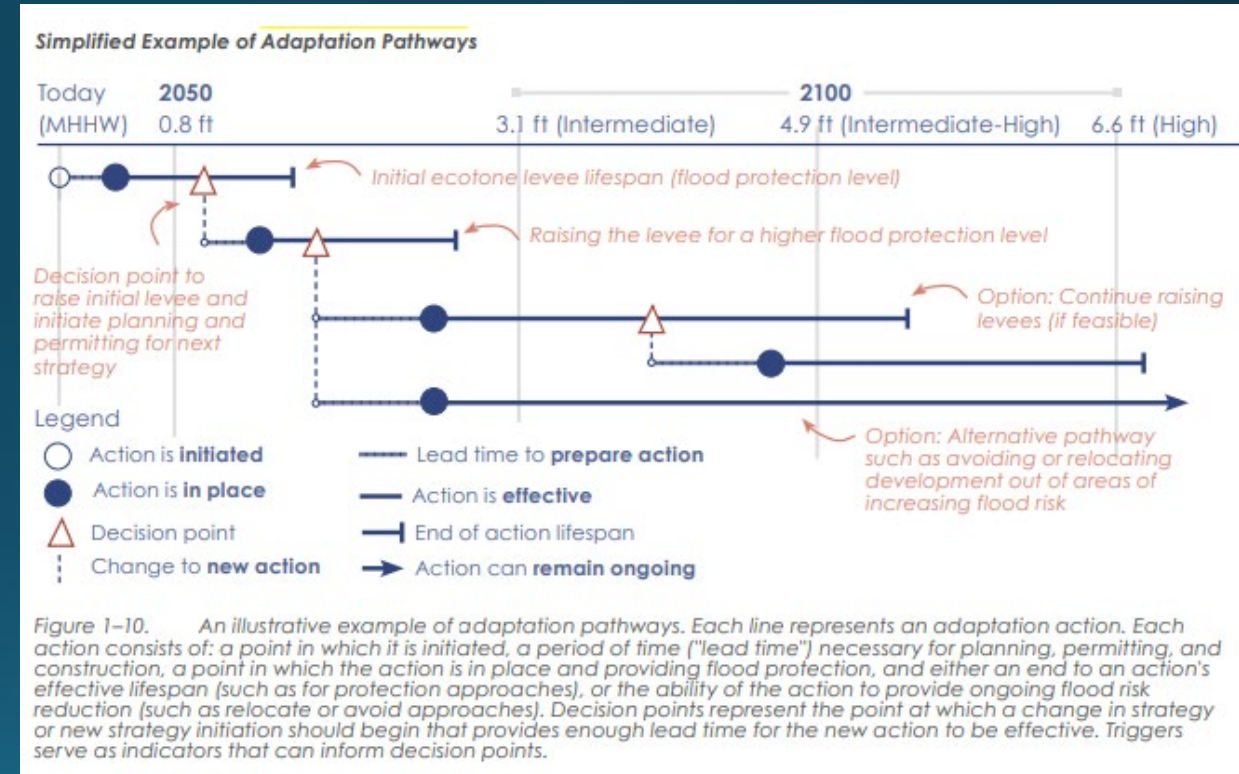
NI-1: Protect against and adapt to changes in sea levels and other shoreline flooding conditions.

Action: Require new development to locate habitable areas of buildings above the highest water level expected accounting for sea level rise and other changes in flood conditions, or construct natural and nature-based features, or a levee, if necessary, adequately designed to protect the project for its expected life.

- Update: Contra Costa Resilient Shoreline Plan will include adaptation strategies and pathways which will inform new development practices.

Action: Support the use of natural infrastructure, including ecosystem restoration and green infrastructure, to protect against sea level rise and associated shoreline flooding.

- Update: Contra Costa Resilient Shoreline Plan will build upon work that's already been done including San Francisco Estuary Institute's Adaptation Atlas and Baylands Resilience Framework to use natural infrastructure where feasible along the shoreline.



Example Adaptation Pathway from BCDC Regional Shoreline Adaptation Plan (p. 32)

NI-1: Protect against and adapt to changes in sea levels and other shoreline flooding conditions.

Contra Costa County Shoreline Leadership Academy

Harness Your Local Experience to Advise on Shoreline Resilience

The Contra Costa County Shoreline Leadership Academy is a **6-month training program meeting every other Saturday** for Contra Costa County residents interested in becoming local shoreline resilience experts and advisors. Participants will tour parts of the Contra Costa County shoreline and be trained by subject matter experts on topics including:

Community Health & Well-Being

Ecosystem Health & Resilience

Transportation & Transit

Development, Housing & Land Use

Critical Infrastructure & Services

Shoreline Contamination

Public Access & Recreation

Collaborative Governance, Flood Management & Funding

Upon completion of the Academy, each participant will receive a \$1,800 stipend and have the opportunity to advise the County on the Contra Costa Resilient Shoreline Plan.

This program will include both in-person and online sessions. In-person locations to be announced. Extensive travel within Contra Costa County is anticipated.

Participants are required to be 18 years or older. No previous experience or knowledge is necessary!

Apply Now!



Session Schedule: Every other Saturday 10 am-2 pm

Dates: January 10, 2026 - June 13, 2026

Application Due Date: October 15, 2025

Food and travel stipends included!

Action: Coordinate with State and regional agencies, neighboring jurisdictions, property owners, utilities, and others to prepare a sea level rise adaptation plan.

- Contra Costa Resilient Shoreline Committee
- Contra Costa Resilient Shoreline Coalition
- Memorandum of Understanding with shoreline cities in support of County's OPC SB 1 Grant: Antioch, Hercules, Martinez, Oakley, Pinole, Pittsburg, and San Pablo
- Coordination with BCDC for consistency with Regional Shoreline Adaptation Plan
- Coordination with Delta Stewardship Council through efforts like Shoreline Leadership Academy

Action: Seek funding and pursue implementation of wetland restoration and other adaptation efforts for sea level rise.

- OPC SB 1 Grant: \$1,499,285 awarded
- National Fish and Wildlife Foundation National Coastal Resilience Fund: \$748,114.22 requested



Delta
Stewardship
Council



exploratorium



the
watershed
project

Resilient Shoreline Coalition

Goal: Coordinate and align efforts to advance Contra Costa shoreline resilience

Involvement Based on Capacity



Level 1

Stay informed via email and meetings as needed/requested.



Level 2

Engage in the development of Contra Costa Resilient Shoreline Plan (meetings, workshops, curriculum development). Provide input on impact of Contra Costa Resilient Shoreline Plan to own organization.



Level 3

Incorporate Contra Costa Resilient Shoreline Plan into organization's own work.



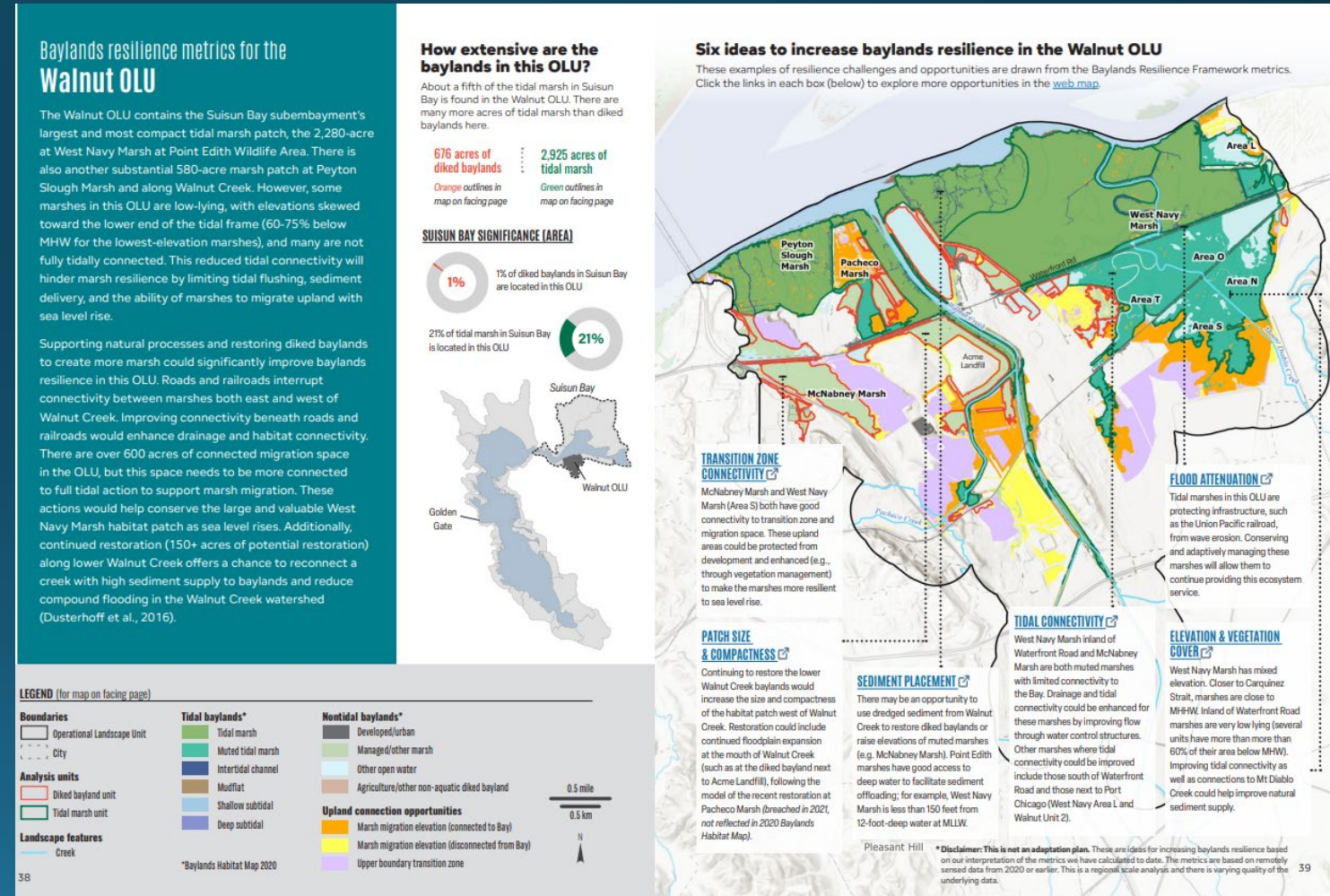
NI-1: Protect against and adapt to changes in sea levels and other shoreline flooding conditions.

Action: Convene a working group that includes local jurisdictions, local shoreline communities, community-based organizations, property owners, businesses, and other stakeholders to collaborate on shoreline flooding adaptation strategies.

- Update: Resilient Shoreline Coalition

Action: Identify opportunities for employing natural areas as buffers against rising sea levels

- Update: Contra Costa Resilient Shoreline Plan will identify high priority areas, building upon existing work like San Francisco Estuary Institute's Adaptation Atlas and Baylands Resilience Framework to use natural infrastructure where feasible along the shoreline



Coordination Effort Highlights for 2025



BCDC staff helped review and provide feedback on technical and community engagement subconsultant solicitations to ensure they aligned with the Regional Shoreline Adaptation Plan



County staff participated in San Francisco Estuary Institute's shallow groundwater mapping analysis of Contra Costa County ([Addendum A](#))



County staff continue to meet with San Francisco Estuary Partnership on quarterly basis about complementary sea level rise resilience and adaptation planning effort of the East Bay Crescent Operational Landscape Unit



County staff coordinates with and continues to have dialogue with Solano County's [Solano Bayshore Resilience Roundtable](#) as it relates to Delta sea level rise considerations



County staff coordinated with cities of Pittsburg and Pinole on their independent OPC SB 1 grant applications



County staff continue to actively engage County departments and divisions on the topic of sea level rise resilience and adaptation (Public Works Flood Control District, Sustainability Team, Transportation Planning)



County staff presented about Contra Costa Resilient Shoreline Plan at conferences and workshops (American Planning Association Northern California Conference, East Bay Leadership Council Water & Energy Task Force, Bay Planning Coalition Spring Summit)



Pacheco Marsh on September 26, 2025

Thank you!

If you have any questions, please email Nicole Shimizu at Nicole.Shimizu@dcd.cccounty.us.

Sign up for Contra Costa Resilient Shoreline Plan email updates:

<https://www.contracosta.ca.gov/9981/Contra-Costa-Resilient-Shoreline-Plan>.