



CONTRA COSTA COUNTY

AGENDA

Hazardous Materials Commission

Friday, June 13, 2025

10:00 AM

777 Arnold Dr., Martinez, CA 94553 -
Paramount Room

<https://zoom.us/j/94027485383>

Call-in: 1 (646) 900-6833

Access Code: 940 2748 5383

Operations Committee

Chair: Marielle Boortz

Vice Chair: Jamin Pursell

Agenda Items: Items may be taken out of order based on the business of the day and preference of the Committee

1. Roll Call and Introductions
2. CONSIDER approval of the May 9, 2025 Hazardous Materials Commission Operations Committee meeting minutes. [25-2343](#)
Attachments: [HMC OPS May 9 2025 Meeting Minutes](#)
3. Public comment on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to two minutes).
4. RECEIVE a presentation on sea level rise and wetland management programs from Aaron Winer of West County Wastewater. [25-2368](#)
Attachments: [Contra Costa County Hazardous Materials Commission - Operations Committee Meeting 06.13.2025](#)

OLD BUSINESS

5. DISCUSS the Hazardous Materials Commission 2025 Priorities assigned to the Operations Committee and DISCUSS potential guest speakers. [25-2344](#)
Attachments: [2025 HMC Priorities](#)
6. DISCUSS the logistics of holding a public forum and continue developing a plan of action.

NEW BUSINESS

7. DEVELOP an introduction speech for the September 11, 2025 public forum to bring to the full commission for approval.
8. Announcements from commissioners on items of commission interest.
9. Plan next meeting agenda

The next meeting is currently scheduled for July 11, 2025 at 10:00 AM.

Adjourn

The Committee will provide reasonable accommodations for persons with disabilities planning to attend the Committee meetings. Contact the staff person listed below at least 72 hours before the meeting. Any disclosable public records related to an open session item on a regular meeting agenda and distributed by the County to a majority of members of the Committee less than 96 hours prior to that meeting are available for public inspection at 1220 Morello Avenue, Suite 200, Martinez, CA 94553, during normal business hours. Staff reports related to items on the agenda are also accessible online at www.contracosta.ca.gov. If the Zoom connection malfunctions for any reason, the meeting may be paused while a fix is attempted. If the connection is not reestablished, the committee will continue the meeting in person without remote access. Public comment may be submitted via electronic mail on agenda items at least one full work day prior to the published meeting time.

For Additional Information Contact: Adam Springer at 925-655-3216



CONTRA COSTA COUNTY

1025 ESCOBAR STREET
MARTINEZ, CA 94553

Staff Report

File #: 25-2343

Agenda Date: 6/13/2025

Agenda #: 2.

Advisory Board: Hazardous Materials Commission Operations Committee

Subject: Approval of May 9, 2025 Meeting Minutes

Presenter: Committee Chair

Information:

Attached to this agenda item is the draft meeting minutes for the May 9, 2025 Hazardous Materials Commission Operations Committee.

Recommendation(s)/Next Step(s):

CONSIDER approval of the May 9, 2025 Hazardous Materials Commission Operations Committee meeting minutes.



Meeting Minutes - Draft

CONTRA COSTA COUNTY Hazardous Materials Commission

Friday, May 9, 2025

10:00 AM

777 Arnold Dr., Martinez, CA 94553 -

Paramount Room

<https://zoom.us/j/94027485383>

Call-in: 1 (646) 900-6833

Access Code: 940 2748 5383

Operations Committee

Chair: Marielle Boortz

Vice Chair: Jamin Pursell

The meeting was called to order at 10:01 AM.

Agenda Items: Items may be taken out of order based on the business of the day and preference of the Committee

1. Roll Call and Introductions

Commissioners Present: Fred Glueck, Marielle Boortz, Louis Flores, Maureen Brennan, Jamin Pursell

Commissioners Present Online: Madeline Kronenberg

Staff Present: Adam Springer

2. CONSIDER approval of the April 11, 2025 Hazardous Materials Commission Operations Committee meeting minutes.

The commissioners present voted to approve the April 11, 2025 Hazardous Materials Commission Operations Committee meeting minutes.

Motion: Fred Glueck

Second: Maureen Brennan

3. Public comment on any item under the jurisdiction of the Committee and not on this agenda (speakers may be limited to two minutes).

There were not any comments made by members of the public.

OLD BUSINESS

4. DISCUSS the Hazardous Materials Commission 2025 Priorities assigned to the Operations Committee and DISCUSS potential guest speakers.

The commissioners requested any new data on hazardous materials transportation with the county or any new data projections about sea level rise.

Commissioner Glueck arranged a guest speaker, Aaron Winer, for June to discuss sea level rise, wetland management programs, all-season programs.

The commission will have another guest speaker, Cheryl Sudduth of West County Waste Water, in July or August.

Commissioner Brennan expressed interest in hydrogen generation and transportation (hydrogen ferry retired due to lack of access to fuel) The commission wants to better understand the barriers to utilizing hydrogen (distribution facility, permits, transport, safety requirements, storage) Considered inviting Supervisor John Gioia to discuss hydrogen generation and the county's plans for implementing.

The presentation from CCFPD on battery fires had a strong impact and the commission wants to get the word out about it through their September public forum and posting it on the HMC webpage. The commission would like more information on battery manufacturing (Moxion) and on battery recycling.

5. DISCUSS the logistics of holding a public forum and continue developing a plan of action.

The Assembly Chamber has been booked at the County Administration building for the public forum for September 11th, an additional room has been booked for table displays and interaction with the public.

The commissioners discussed having a reception period from 3:30-4:00 to allow time for guests to arrive and look over the display tables, 5 minute introduction from staff, presentations from 4:05-5:15, Q&A from 5:15-5:30 and spend the remaining time mingling and viewing the display tables.

A minimum of eight commission members are needed to support the forum before staff finalizes guest speakers - establish roles for each member.

Panelists: 10-12 minutes per speaker - explain regulatory roles for CWS, Con Fire, "day in the life" CC Hazardous Materials Programs emergency response, Central San household waste disposal (do's and don'ts), Bay Area Air Quality District. Need to limit number of panelists for sake of time - prioritize information that is most useful to average citizen

Q&A will be done by submitting index cards with questions for the panelists, must limit time spent on this.

Print itinerary and provide sign in sheet upon entering.

Look into options for providing food/beverages - commissioner sign up

6. DISCUSS contaminated soil testing, remediation, and management.
<https://www.cbecal.org/>

Commissioner Flores connected with someone from Community for a Better Environment to get more information on the work they do - will share with the full commission. He also found an article in the LA Times regarding the lack of soil testing being done after the fires. Commissioners expressed concerns around the potential for hazardous materials (soil) to be dumped with municipal waste - upcoming presentation from DTSC to learn more.

7. DISCUSS strategies for increasing public awareness and safety around lithium ion battery products.

The video recording of the presentation from CCFPD on lithium ion battery fires is posted online and available through the Commission's webpage. This topic will also be covered at the public forum to better inform the public.

8. Announcements from commissioners on items of commission interest.

The next meeting is currently scheduled for June 13, 2025.

Adjourn

The meeting was adjourned at 12:06 PM.

DRAFT



CONTRA COSTA COUNTY

1025 ESCOBAR STREET
MARTINEZ, CA 94553

Staff Report

File #: 25-2368

Agenda Date: 6/13/2025

Agenda #: 4.

Advisory Board: Hazardous Materials Commission Operations Committee

Subject: West County Wastewater Presentation

Presenter: Aaron Winer

Information:

Attached to this agenda item is a PowerPoint presentation from West County Wastewater.

Recommendation(s)/Next Step(s):

RECEIVE a presentation on sea level rise and wetland management programs from Aaron Winer of West County Wastewater.

CLIMATE RESILIENCY PROJECTS

**CONTRA COSTA COUNTY HAZARDOUS
MATERIALS COMMISSION:
OPERATIONS COMMITTEE MEETING
FRIDAY, JUNE 13, 2025**



**WEST COUNTY
WASTEWATER**

**Presented By:
Andrew Clough, WCW, General Manager
Joe Neugebauer, WCW, Environmental Services Manager
Tim Mollette-Parks, Partner, Mithun**

MEETING AGENDA



WCW & OUR
COMMUNITY



VISION



CLEAN & GREEN
PROJECT



COMMUNITY
ENGAGEMENT &
PARTNERSHIPS



NORTH RICHMOND
LIVING LEVEE &
COLLABORATIVE
SHORELINE PROJECT



Q&A

WEST COUNTY WASTEWATER

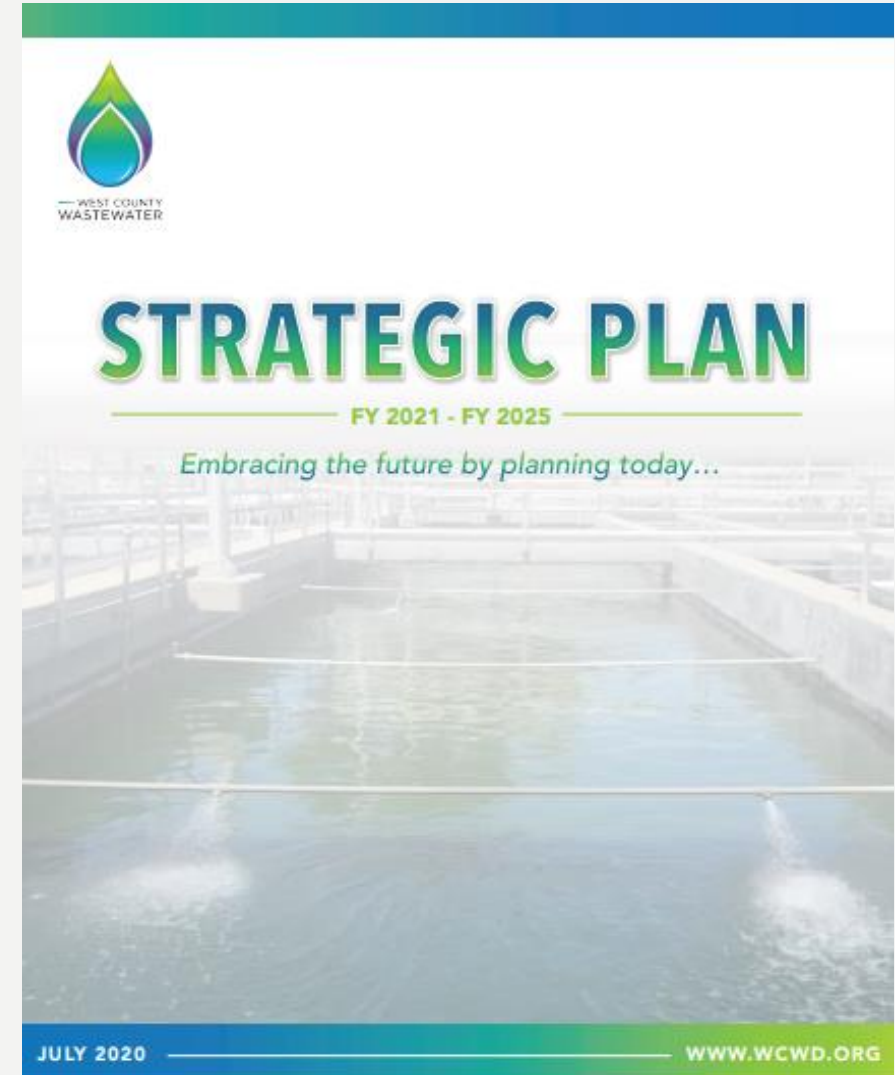


34,000 residences and 900 commercial/industrial businesses.

17 square miles, 250 miles of gravity sewers and 6 miles of force mains.

VISION

Create a holistic plan for environmental stewardship through efficient wastewater management, extensive community engagement, inspirational leadership, and integrated partnerships



NORTH RICHMOND SHORELINE





CLEAN & GREEN PROJECT

CLEAN & GREEN PROJECT

- Creating green power resiliency and reliability
- \$83 million in net program savings
- 4.2 million kWh of energy reduction per year
- 93% reduction in greenhouse gas emissions
- Internship Program
- Class A biosolids: Reduced disposal cost and new revenue stream



CLEAN & GREEN PROJECT

- 1.1 MW of On-Site Solar Power Generation
- 3.1 MW of Battery Storage
- Creation of Microgrid
- LED Lighting and EV Chargers
- Resource Recovery Plant Optimization
- Grit Separation System, Rotary Drum Thickeners, High Efficiency Aeration Blower, New Digesters, 450 kW Cogeneration System, Sludge Dewatering System, Sludge Thermal Dryer System
- Equalization Basin Expansion
- Produce Class A Biosolids













COMMUNITY ENGAGEMENT & PARTNERSHIPS

PROJECT HISTORY

2016

San Francisco Estuary Partnership and Watershed Project support the community in developing the North Richmond Shoreline Vision Plan

2018

RbD elevates and connects ongoing community-led work, including the shoreline resilience ideas identified in 2016



2021

Funding received from San Francisco Bay Restoration Authority (SFBRA) for Community Co-creation of an adaptation plan for multi-benefit, nature-based resilience in the face of raising sea levels



2024

Design team continues supporting grant pursuits, assisting in securing additional SFBRA for further co-design, documentation and initial environmental studies.



The design team engages with North Richmond neighbors as part of Resilient by Design (RbD) furthers

2017



Design team remains engaged with the community after RbD, supporting community leaders in pursuing grant funding to advance the co-design and long-term leadership for shoreline resilience

2020



Potential federal construction funding for Phase 1 Living Levee is identified in the Water Resources Development Act

Completion of the Collaborative Shoreline Adaptation Plan, and concept design for the Phase 1 project: the North Richmond Living Levee

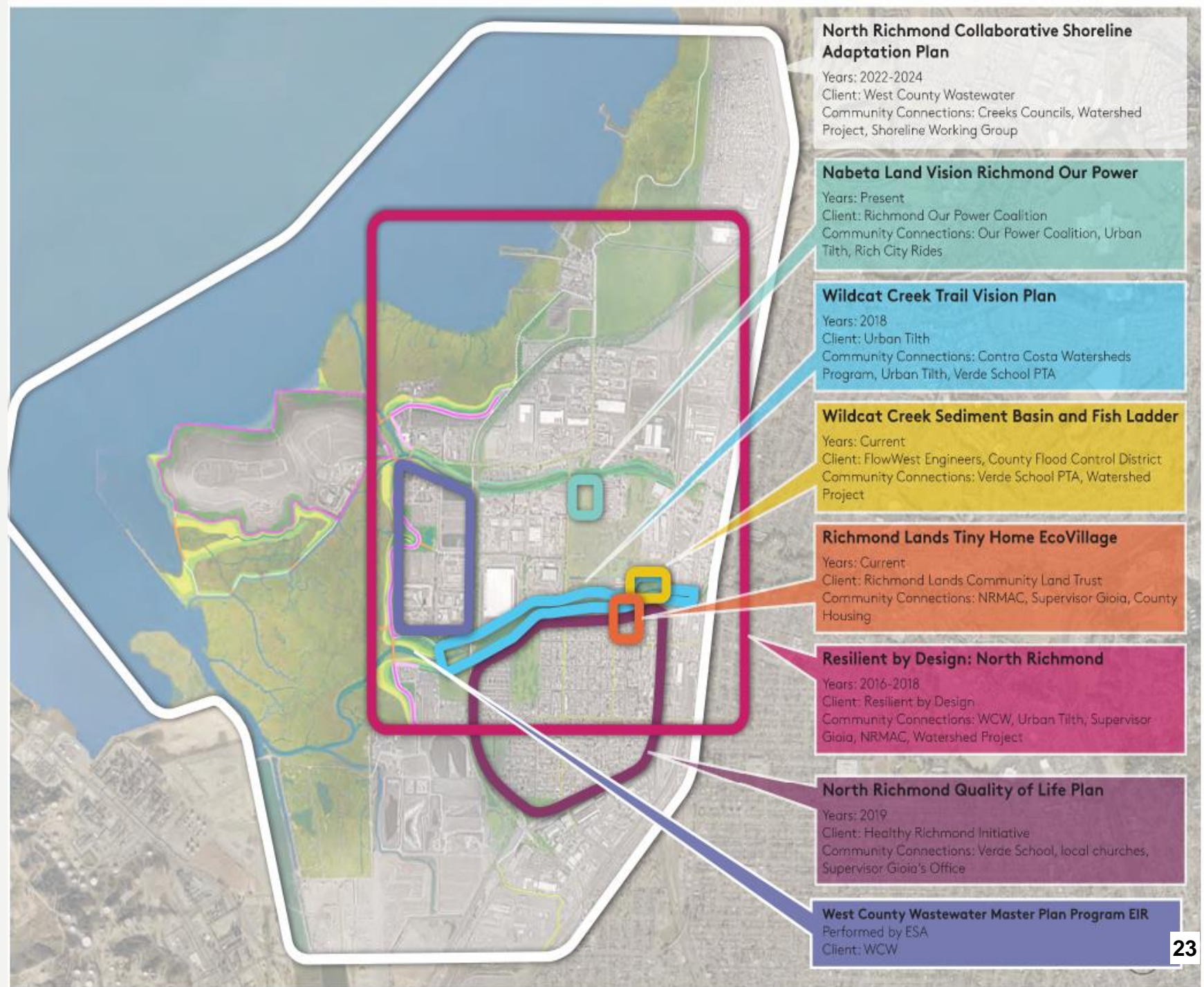
2023

NORTH RICHMOND SHORELINE LIVING LEVEE STAKEHOLDER GROUP



- Regular meetings since September 2019, with lead from San Francisco Estuary Partnership and West County Wastewater
- Position Nature-Based Adaptations for external funding opportunities
- Provide information, support to WCW Project Management Team throughout conceptual design process for a Prototype Living Levee & Shoreline Adaptation Planning effort

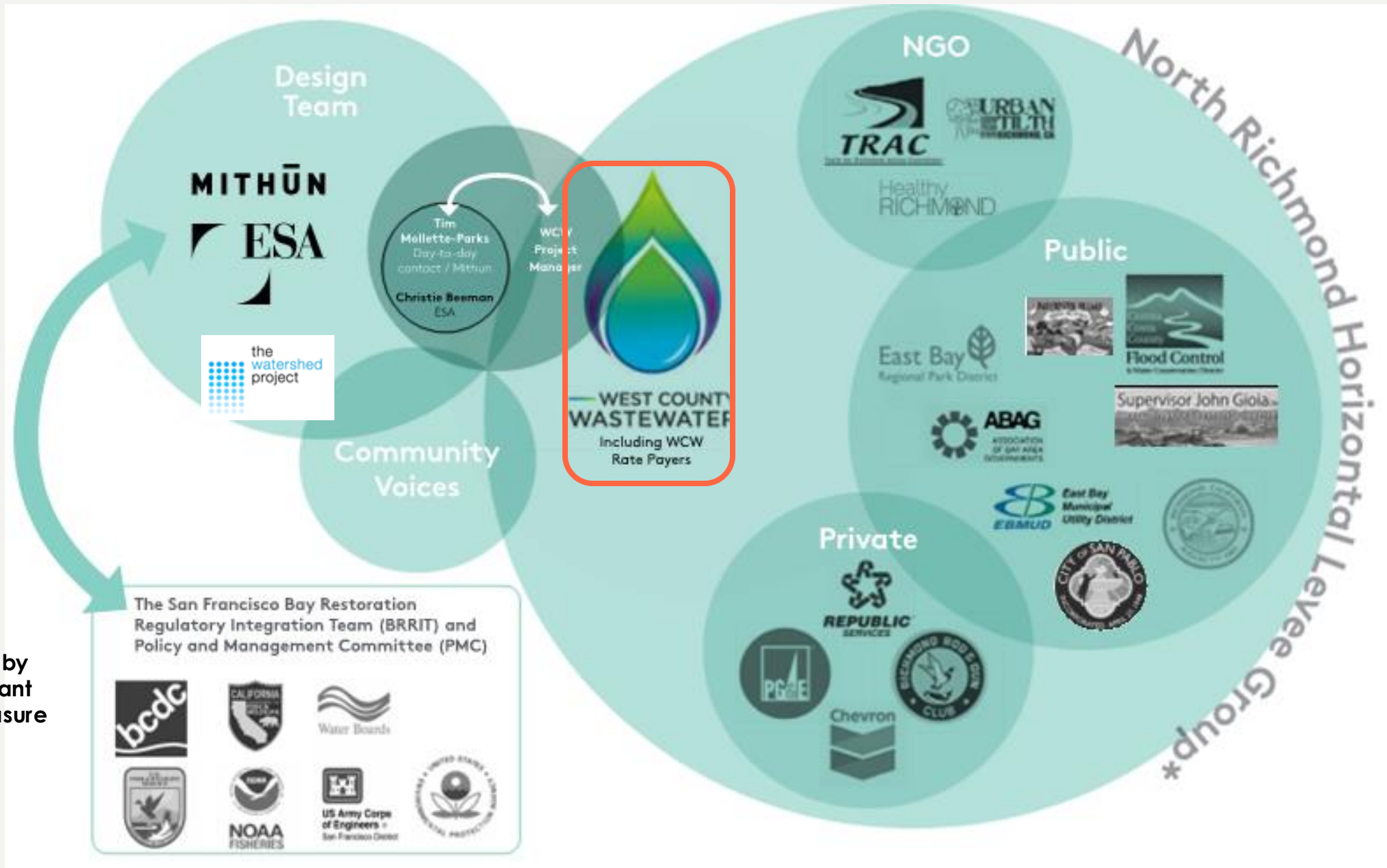
BUILDING LASTING RELATIONSHIPS THAT CONTINUE OUTSIDE OF THE PROJECT



COMMUNITY PARTNERSHIPS



Partnerships-based Approach



*Funded by
SFBRA grant
with Measure
AA \$

Community Engagement Frameworks

Multi-Benefit Sea Level Rise Adaptation on the North Richmond Shoreline has begun long before and will last for long after the design + construction phase

- Building on years of work and relationship building
- Tribal Engagement
- Surveys
- Educational Workshops
- Design Workshops
- Future Local Workforce Development Discussion





COMMUNITY
ENGAGEMENT

COMMUNITY
DECISION-MAKING

Outreach → Recruitment

Education → Workgroups

Gather community voices →
Community research & co-design

Outreach

Adaptación de la costa de North Richmond:



Los miembros de la comunidad:

- Trabajarán aproximadamente de 1 a 2 horas a la semana entre febrero y septiembre de 2022, con un receso de verano durante julio y agosto.
- Completarán tareas incluyendo: coaprendizaje, recopilación y análisis de datos, participación de la comunidad, preparación de materiales y participación y dirección de reuniones.
- Participarán en uno de los grupos de trabajo comunitarios siguientes: Imaginando soluciones, Encuesta comunitaria, o Sostenibilidad y crecimiento.

Los miembros de la comunidad recibirán un pago máximo de \$1,000 por el proyecto (\$50 por reunión)

La fecha límite de solicitud es el 31 de enero de 2022!!!

Realizaremos un webinar para proporcionar más información y responder cualquier pregunta el **lunes 24 de enero de 6 a 7 pm.**

Un enlace al webinar está disponible en TheWatershedProject.org/Shoreline.

Para más información y para aplicar, visite TheWatershedProject.org/Shoreline o contacte a Eunice Quintanilla a eunice@thewatershedproject.org o 707-726-2829 (mensaje de texto o llamada).



North Richmond Shoreline Adaptation Project:



Community Members can participate by:

- Work approximately 1-2 hours a week between February and September 2022, with a summer break during July and August.
- Complete tasks such as co-learning, gathering and analyzing data, conducting community engagement, preparing materials, and participating in and leading meetings.
- Participate in one of the following community workgroups: Envisioning Solutions, Community Survey, or Sustainability and Growth.

Community members will receive a maximum payment of \$1,000 for the project (\$50 per meeting).

The application deadline is January 31st, 2022!!!

We will hold a webinar to provide more information and answer any questions on **Monday, January 24th, 6-7 pm.**

A link to the webinar is available at TheWatershedProject.org/Shoreline

For more information and to apply, visit TheWatershedProject.org/Shoreline or contact Eunice Quintanilla at eunice@thewatershedproject.org or 707-726-2829 (text or call).



20+ community members

Regular meetings (paid)

Learning Academy

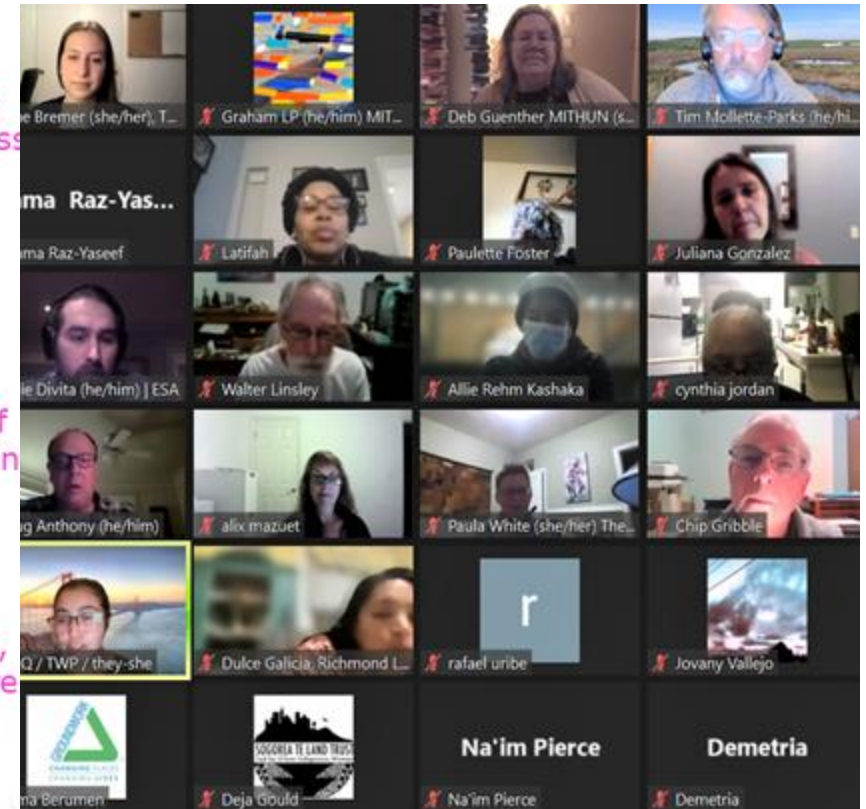
3 Workgroups

Site Visits

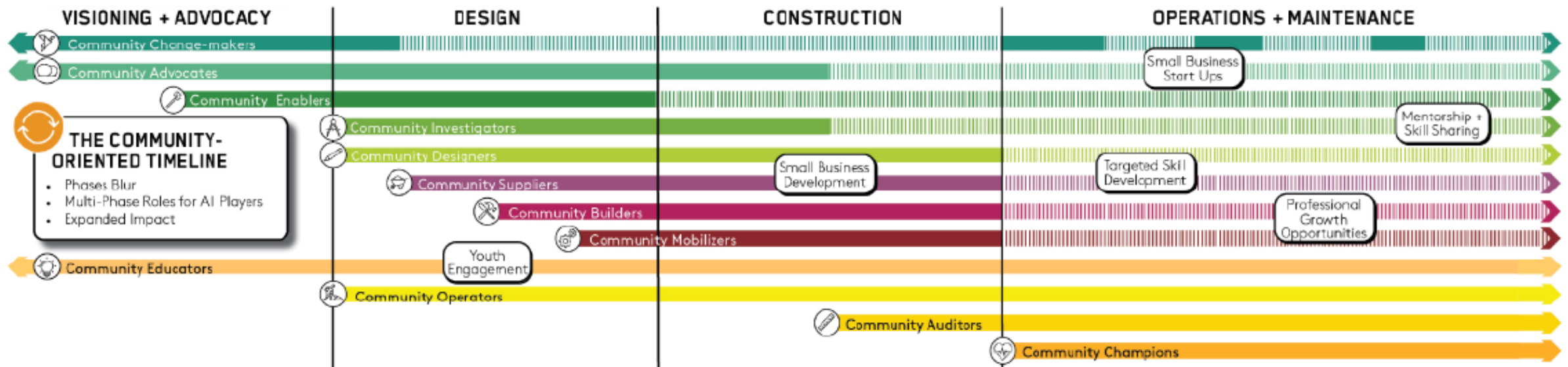


Online Workshops: Understanding Priorities for Access, Amenities, Activities & Restoration

Live MarkUp:



Workforce Development: Thinking beyond construction to community stabilization and wealth- building



Tribal Engagement



HOME ABOUT PROGRAMS EVENTS GET INVOLVED NEWSLETTER DONATE

DONATE

TRIBAL STORIES FROM THE COAST AND WATERSHEDS OF NORTH RICHMOND, CALIFORNIA



Welcome to the showcase of the Confederated Villages of Lisjan Coastal Stories, created by The Watershed Project as part of the North Richmond Shoreline Adaptation Project.



Working with the team to develop concept designs for one or more site installation(s) to honor sites of cultural concern within the concept study area

Building an indigenous storytelling website

- Two site visits with members of the Confederated Villages of Lisjan (Ohlone)
- Zoom meetings and discussions to arrive at shared understanding of role as cultural advisors on the project
- Agreement to provide feedback and help develop interpretive material, including interviews with tribal members




Education and Interpretation

The Past



In front of you is the North Richmond shoreline, on the San Francisco Bay. This tidal wetland evolved over thousands of years and is well-adapted to changing water levels: the daily high and low tides, and the seasonal water flows from Willow Creek that flows from the Berkeley hills into the Bay at this location.

We learn from this ecosystem how to cope with current risks such as sea level rise and pollution. For example, the dense vegetation that this habitat supports catches the soil with organic matter, and that increases water infiltration, reducing floods. The gently sloping topography reduces wave energy that can be damaging to the shoreline. Wetland vegetation such as marsh grasses and reeds have deep root systems that anchor the soil, so it is less erodible even under constantly moving water. These plants extract toxins from the soil and the air, making the ecosystem even healthier for us.



The tidal marshes are an important feeding and nesting area for birds such as the clapper rail, salt marsh harvest mouse, and the California gull. The salt marsh beds underneath the water provided habitat for species such as Dungeness crab, shore perch, and anchovy.



Wetlands slow down river flow. Sediments carried by the creek are released in this flat area, and over time, accumulation of creek sediments and the wetland's organic material (dead plant materials) increases the height of the wetland. This way, the wetland can keep pace with rising sea levels to stay above the water. As sea level rises, wetlands can also manage harmful, converting city-related issues to resources.

The Present



People lived and used this shoreline for thousands of years. In the Chechenya language of the Lagoon-Olone people, this area is named "Shachun" land. Tribal members that live amongst in their stories of how their ancestors' livelihood relied on fish and seafood from the Bay, and much, roots and berries from the surrounding hills and valleys. They used their red boats to travel along the Bay's waterways. They had a deep spiritual connection to the land and lived in harmony with the environment. Today, the Lagoon-Olone community are working to reemerge the land and revitalize their culture, knowledge, and native languages.



In the 20th and 21st centuries, this shoreline went through heavy industrialization, particularly during and after World War II. The area became a hub for oil refining and chemical manufacturing, including General Chemical Company, Kaiser Shipyards, Ford Motor Assembly Plant, the Richmond Steel Mill, the Chem-Alloy Pipeline Company (manufacturing explosives), and the Chevron Refinery which still dominates the shoreline today.



The industry brought jobs and economic growth to the region, attracting workers. Soon after, African Americans from the Southern US, Mexican Americans, and European immigrants made their home in the nearby North Richmond neighborhood. The community became a hub for music, with world-famous nightclubs and music venues, including the legendary Club Severy, attracting top musicians from across the country. After this period of economic growth, residents faced challenges from pollution and environmental degradation and declining industry that led to social and economic instability. Despite these challenges, the community has remained resilient and continued to thrive, with a rich

The Future



This low-lying wetland is expected to be significantly impacted by sea level rise in the coming decades. As sea level rises, some infrastructure will be at risk from coastal floods. This includes the West County Wastewater Facility, the Richmond Parkway, some North Richmond homes, and the natural environment - the wetland and all its plants and animals.



Motivated by over two decades of environmental and community activism, plans are taking shape for a solution to sea level rise for the North Richmond Shoreline. By constructing a Living Levee - a low-lying, broad structure built parallel to the shoreline, the shoreline will be more protected from coastal flooding and wave erosion.



The structure is designed to blend with the surrounding landscape and mimic the natural processes of coastal protection, creating a "Nature-based Solution" that uses the benefits and services provided by the natural ecosystem and processes.

The North Richmond Shoreline Adaptation project will provide opportunities for the neighboring communities to connect with nature - creating walking and biking trails, building small parks and play structures, and improving access to this beautiful area. The design of this project was heavily influenced by the work with community partners that identified community needs and wants.

This project is currently in its planning stages, and if granted funding, implementation will start in 2025.



NORTH RICHMOND LIVING LEVEE & COLLABORATIVE SHORELINE PLAN PROJECT

THANK YOU, SAN FRANCISCO BAY RESTORATION AUTHORITY (SFBRA) FOR ALL YOUR SUPPORT!



SAN FRANCISCO BAY
RESTORATION AUTHORITY



**WEST COUNTY
WASTEWATER**

“WE ARE A DISINVESTED, BUT NOT A DISINTERESTED COMMUNITY”



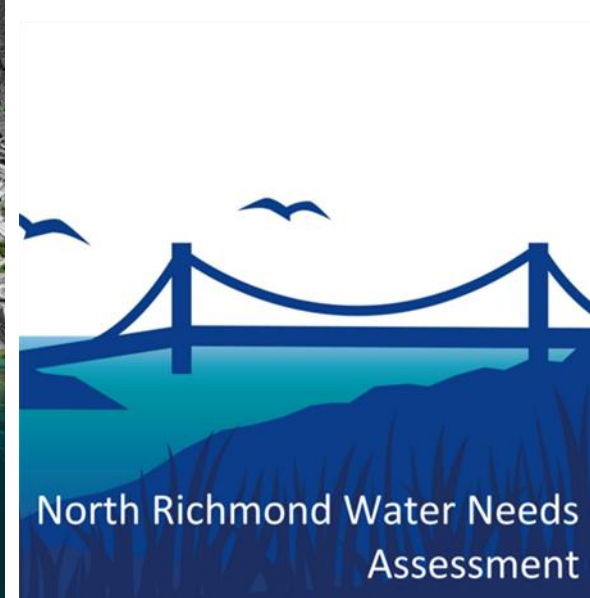
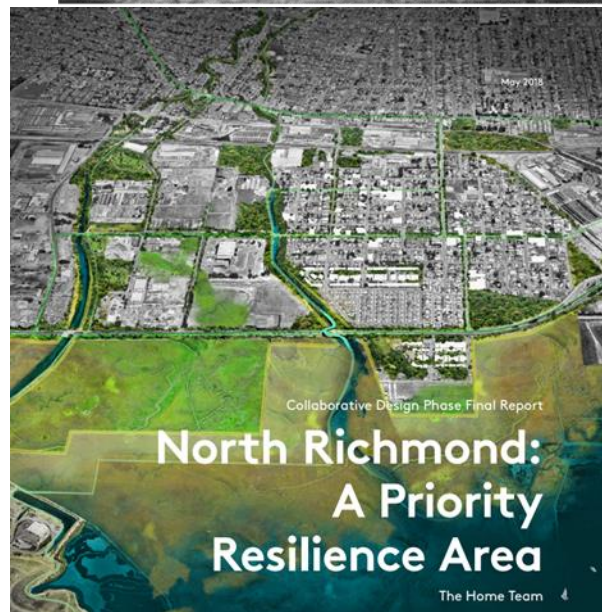
BUILDING ON THE LEGACY IN NORTH RICHMOND



North Richmond Shoreline VISION

A community-based approach to planning for the upland transition zone

The North Richmond Shoreline should be managed, restored and protected to sustain multiple benefits including ecosystem services, community health, economic stability, local jobs, educational opportunities, safe places for recreation, vibrant natural habitat and a source of clean, healthy food.



North Richmond Quality of Life Plan



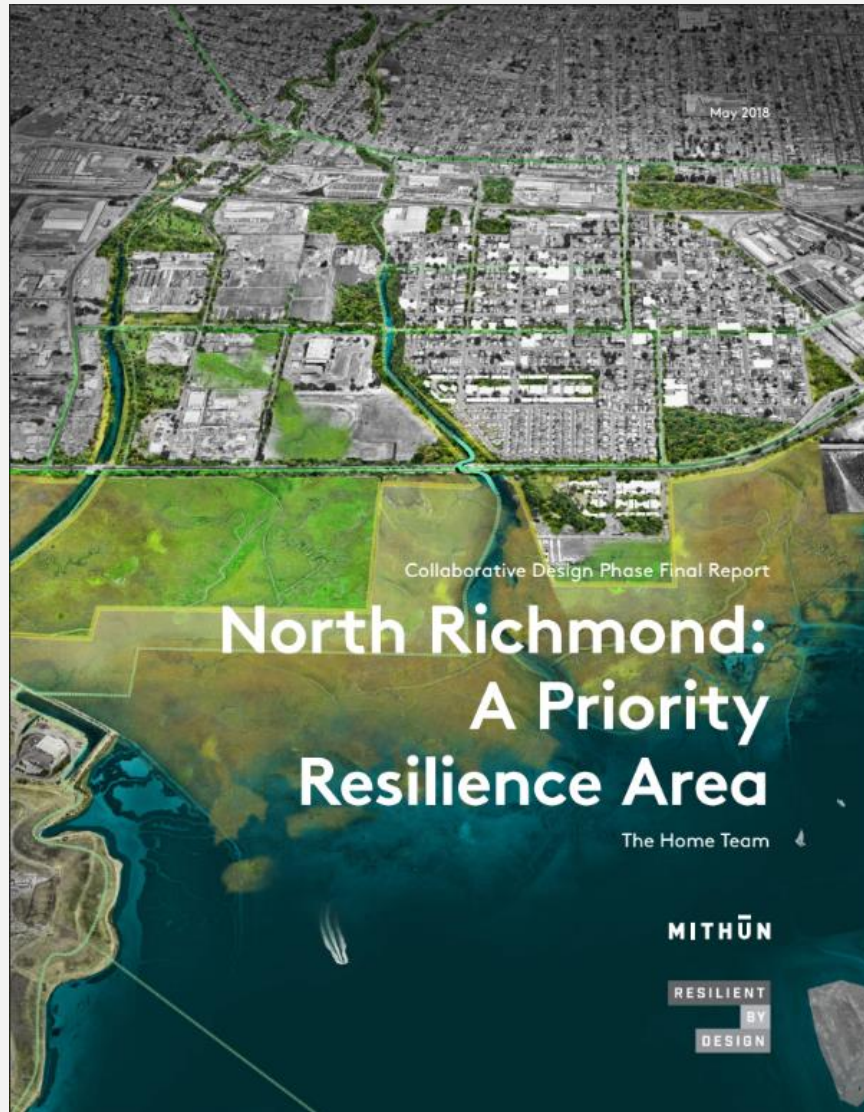
Resilient by Design

Goal: connect international expertise with local communities to inspire innovative designs and collaboration

Process (2017-2018):

- Public call for vulnerable sites
- Design Team selection
- Collaborative Research Phase
- Assign Teams to sites
- Collaborative Design Phase
- Final Designs





May 2018



November 2023



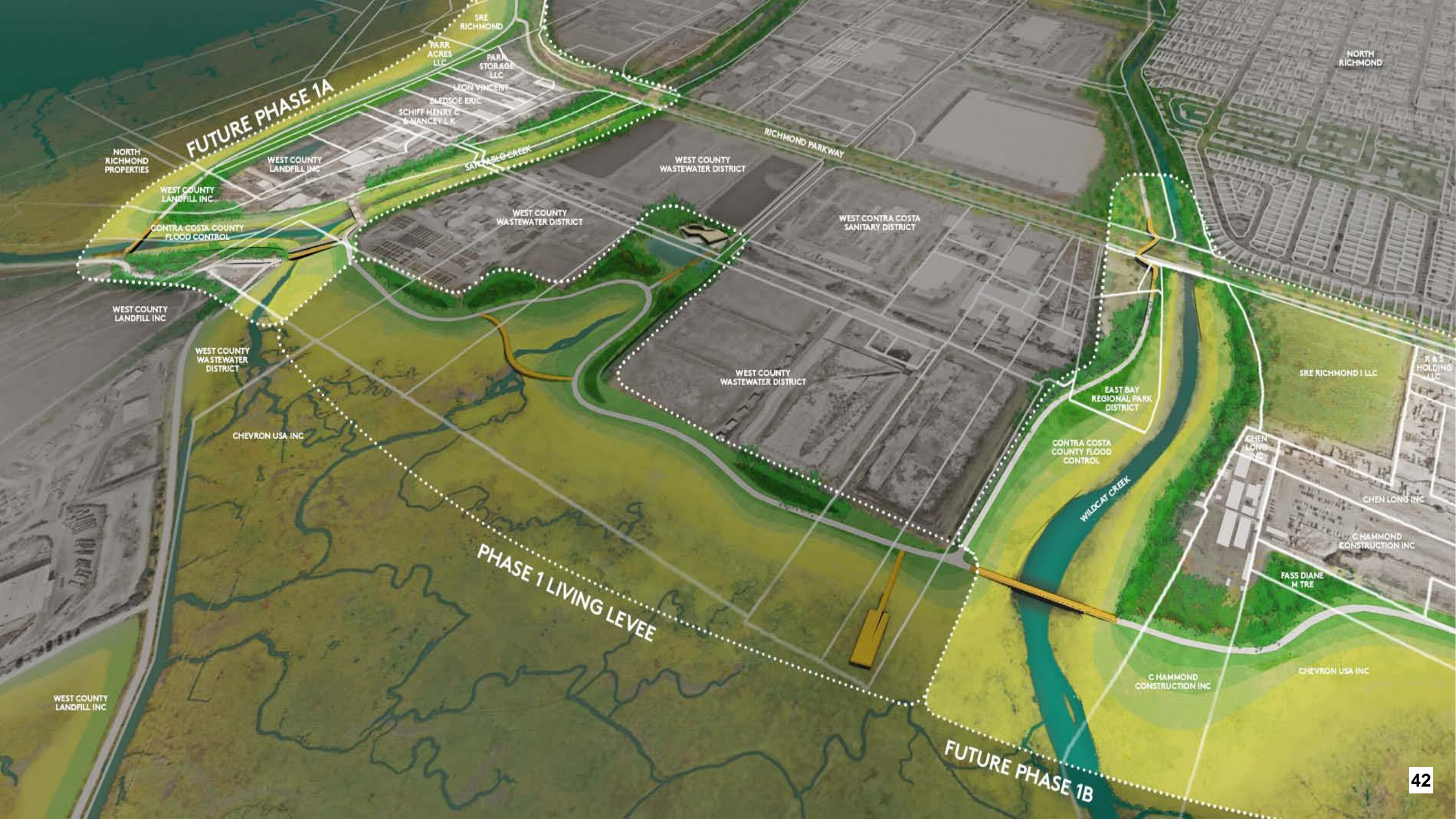
SAN PABLO STRAIT
(SAN FRANCISCO BAY)

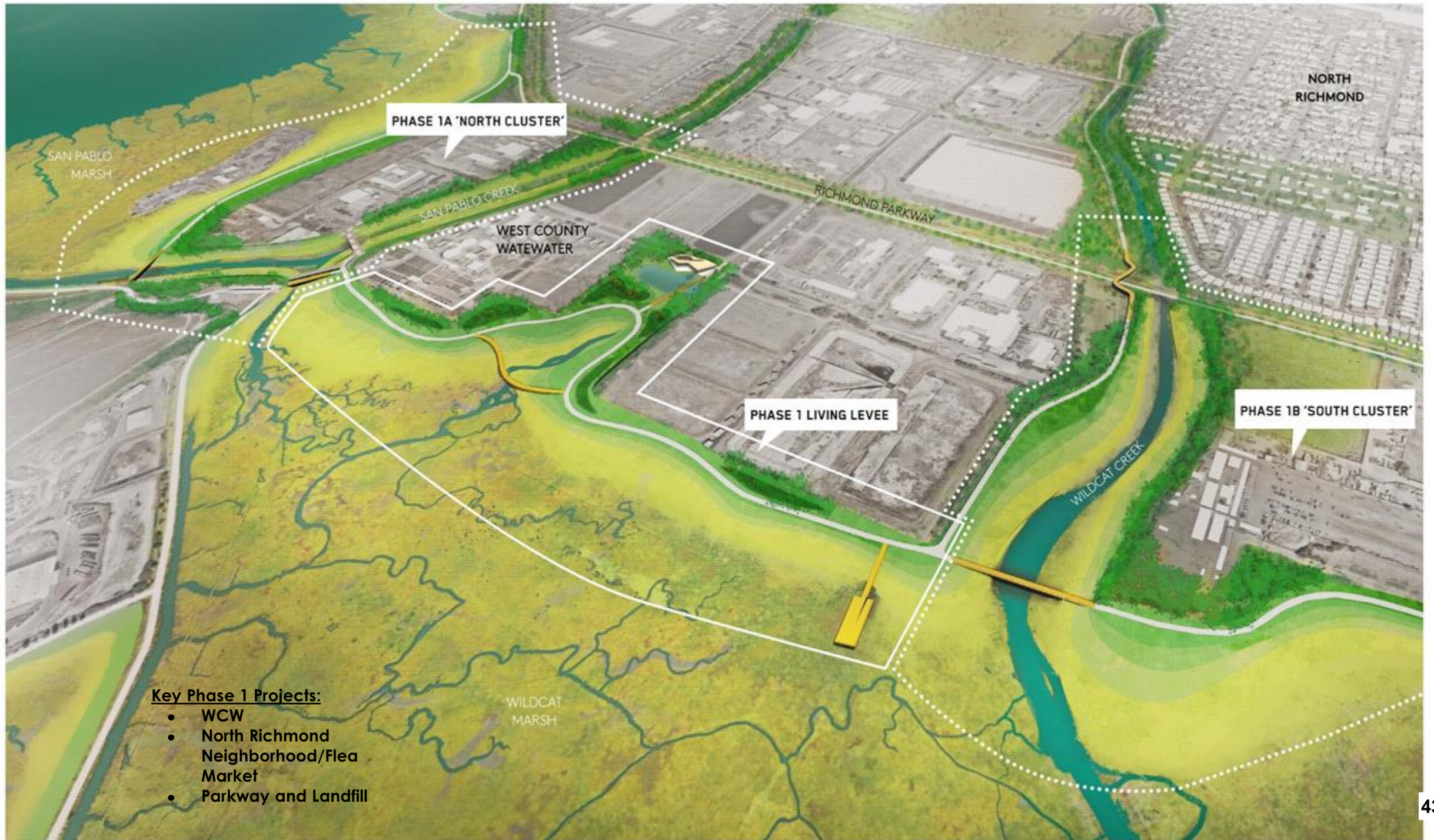


- ① CRITICAL INFRASTRUCTURE facilities are protected at West County Wastewater (gray hatch)
- ② BOARDWALK & BRIDGE connects North Richmond to Bay Trail and Flea Market, with new marsh and shoreline access amenities
- ③ HYDROLOGIC RECONNECTION via new bridge, that elevates landfill access for Republic Services via new ped/ bike roadway, while opening historic reconnection of San Pablo creek to Wildcat Marsh
- ④ SMALL-CRAFT BOAT LAUNCH reintroduces waterfront access in North Richmond
- ⑤ TRAILHEAD at Richmond Parkway above Parr Blvd opens landfill loop and water access to the community, while protecting Parkway from inundation
- ⑥ CREEK TRAIL BRIDGE safely connects neighborhood to Bay Trail, Flea Market and shoreline access
- ⑦ HABITAT SLOPE at Flea Market provides for flood protection, habitat migration, and continuous safe shoreline access from Gertrude Ave
- ⑧ MARSH REGENERATION and hydrologic reconnection at landfill site

LEGEND

- LEVEE CORE
- LEVEE CORE + TRAIL
- PROPOSED BRIDGE / BOARDWALK
- VEGETATED HABITAT SLOPES
- PROPOSED BIKE LANES
- PROPOSED TRAILS
- EXISTING FLOOD CONTROL MEASURES
- EXISTING BIKE TRAILS
- EXISTING CLASS I TRAIL





Key Phase 1 Projects:

- WCW
- North Richmond Neighborhood/Flea Market
- Parkway and Landfill



CHEVRON REFINERY

WILDCAT MARSH

LANDFILL

RICHMOND FLEA MARKET

WEST COUNTY WASTEWATER

RICHMOND PARKWAY

NORTH RICHMOND NEIGHBORHOOD





POINT
PINOLE

DOTSON MARSH

SAN PABLO MARSH

LANDFILL

WILDCAT MARSH

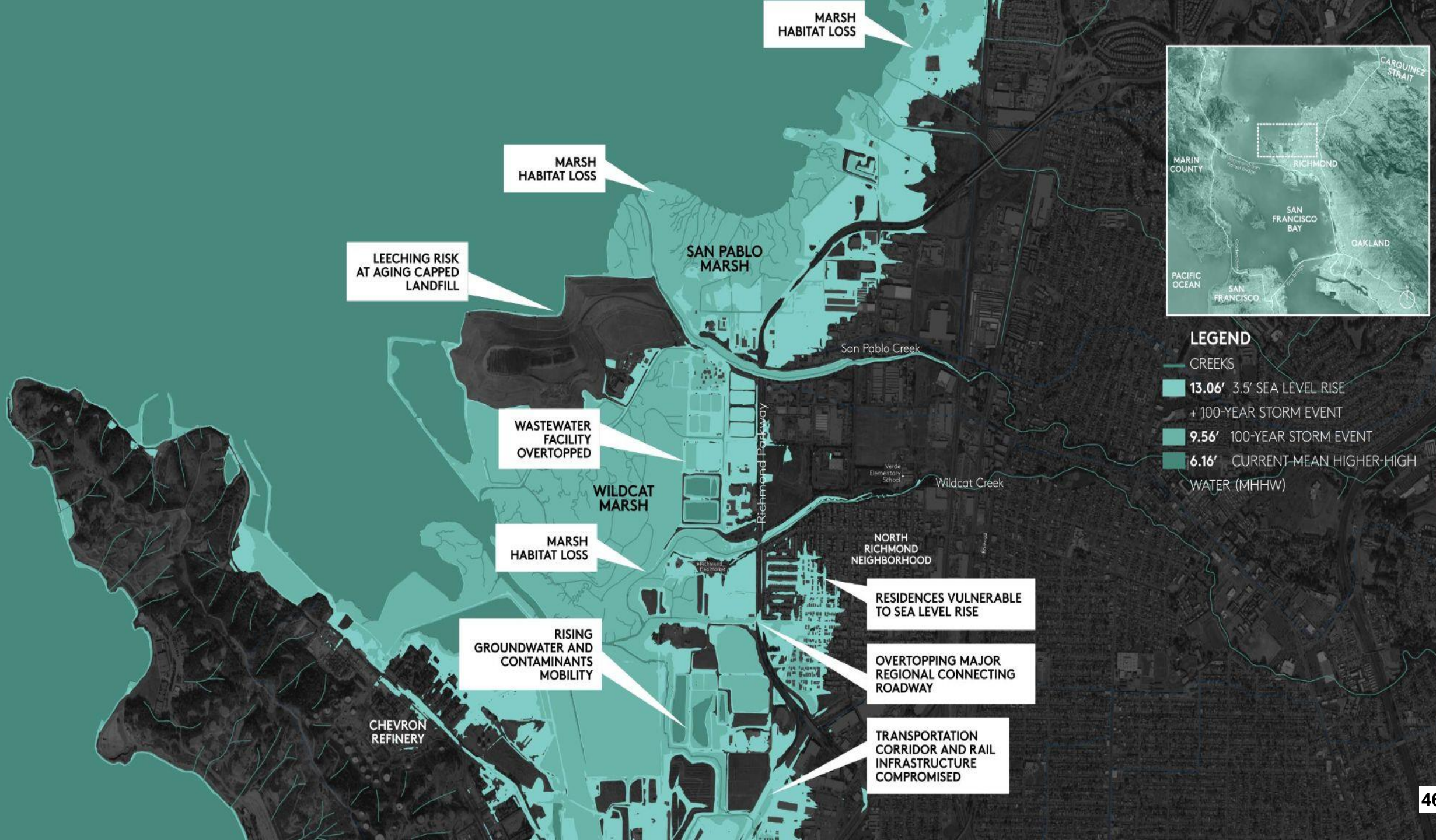
WEST COUNTY
WASTEWATER

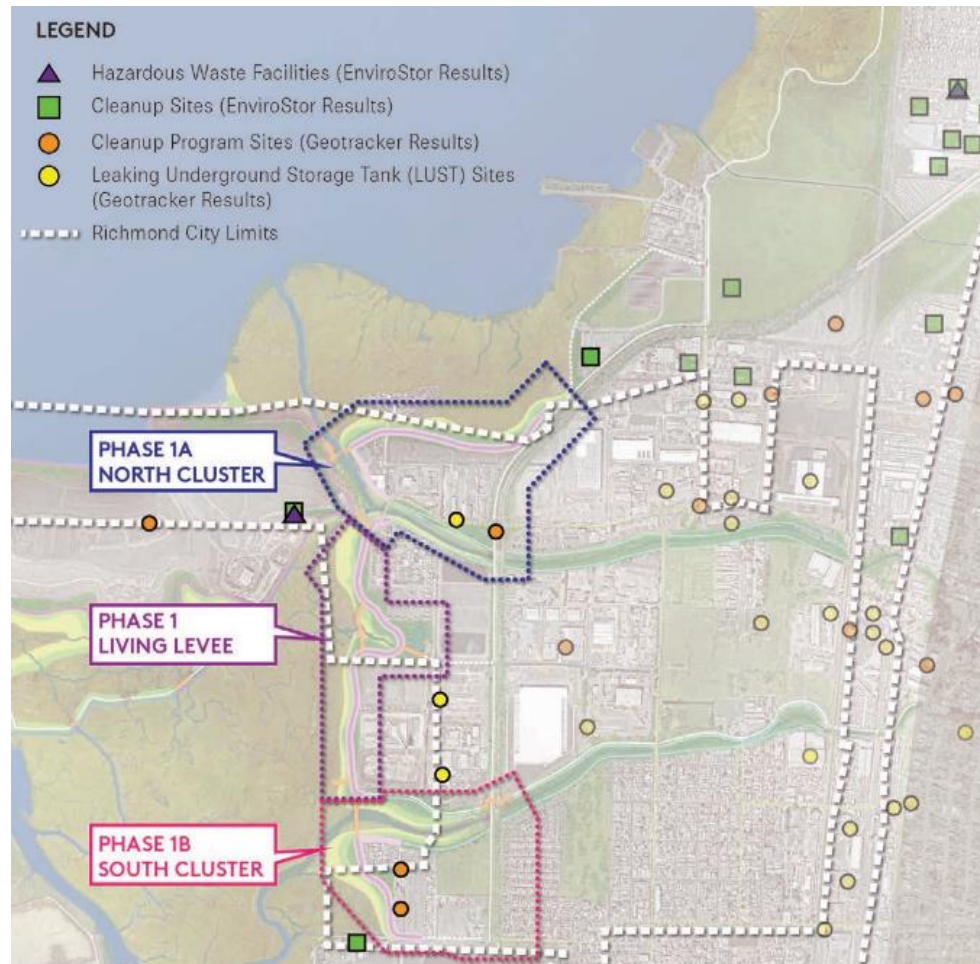
RICHMOND
PARKWAY

CONNECTION TO
WILDCAT CREEK TRAIL

WILDCAT CREEK







As part of this scope of work, Mithun has included Kleinfelder on our team. Their background in analysis and design for contamination concerns will add critical nuance to the approach, particularly in the Phase 1A and 1B Cluster areas, where remediation strategies were an identified scope gap in the previous planning effort.

North Richmond Project Scope Boundaries

~5 Mile North Richmond Shoreline Area (Current Scope: Collaborative Shoreline Adaptation Plan)

Area Below 12.96ft NAVD88

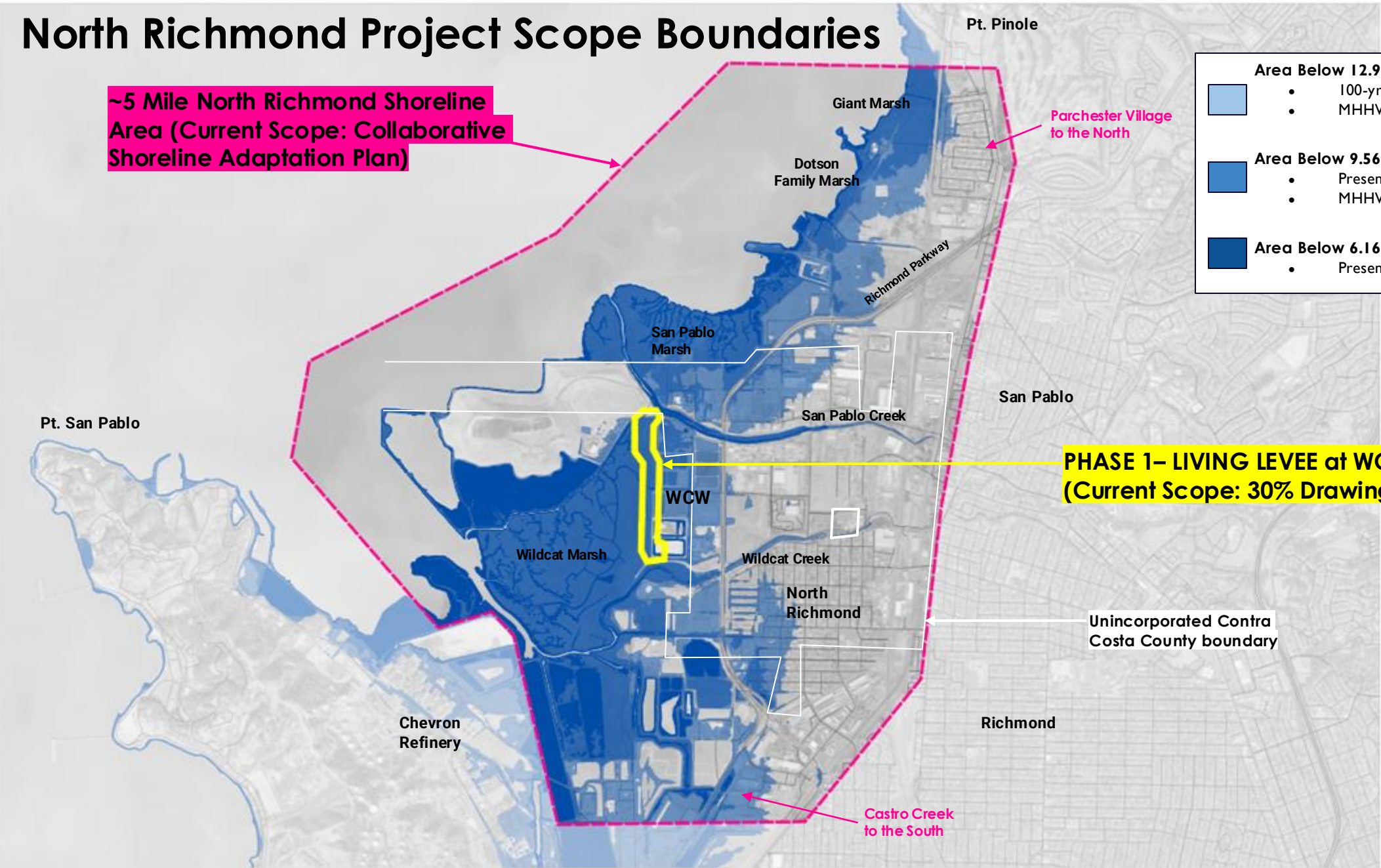
- 100-yr Coastal Flood w/ +3.4ft SLR
- MHHW w/ +6.9ft SLR

Area Below 9.56ft NAVD88

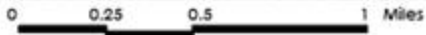
- Present Day 100-yr Coastal Flood
- MHHW w/ +3.4ft SLR

Area Below 6.16ft NAVD88

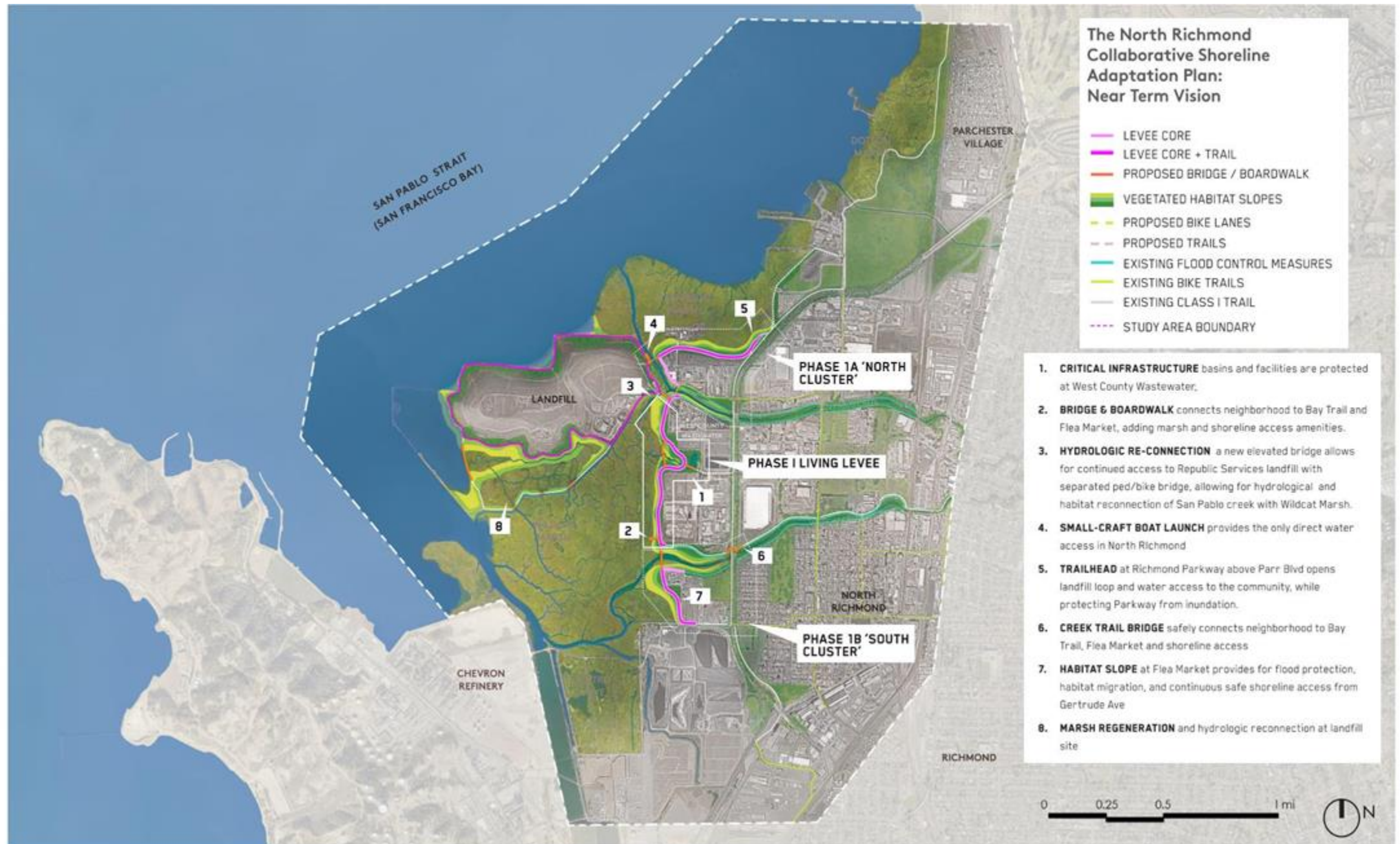
- Present Day MHHW



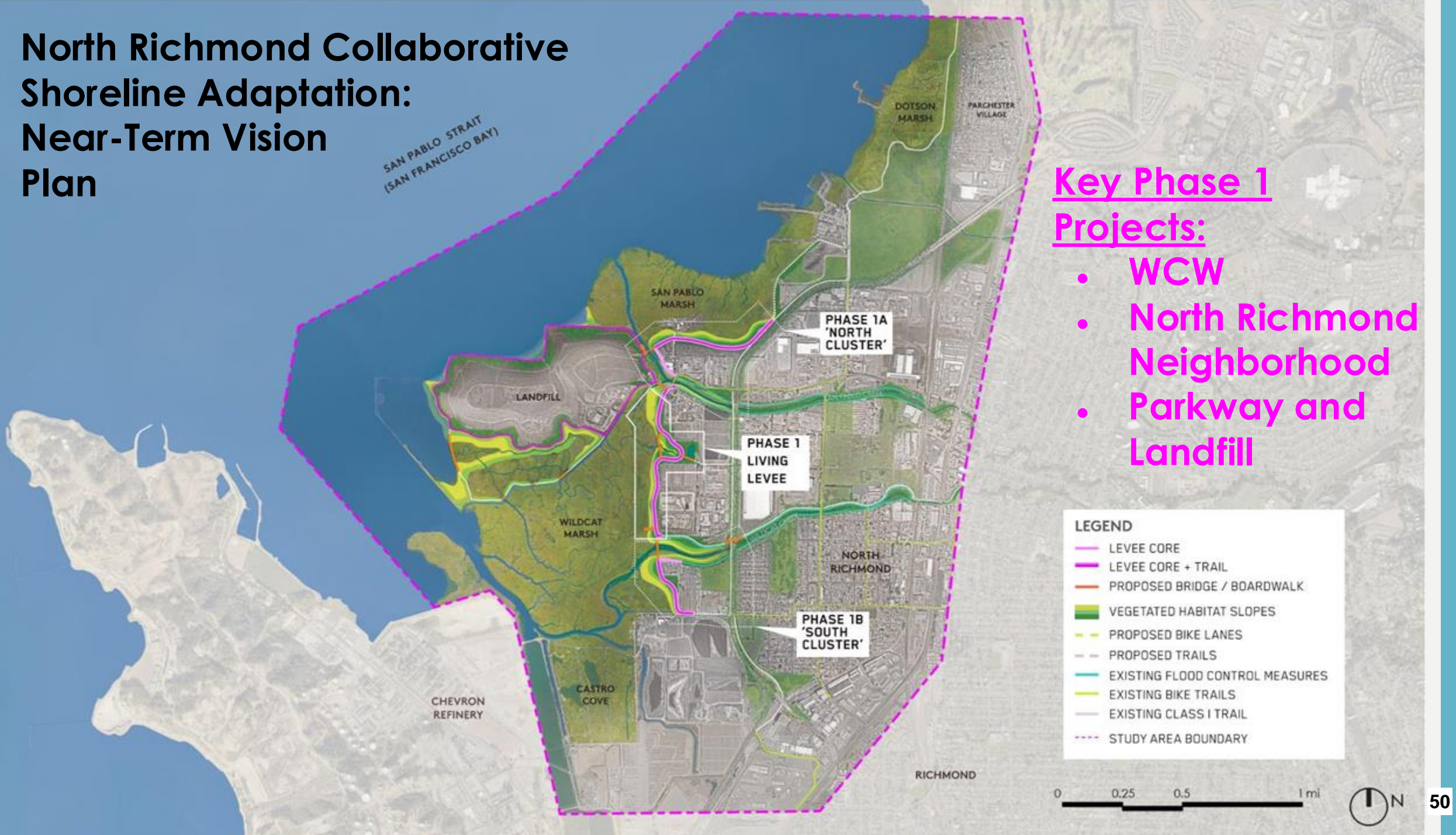
PHASE 1– LIVING LEVEE at WCW FACILITY (Current Scope: 30% Drawings)



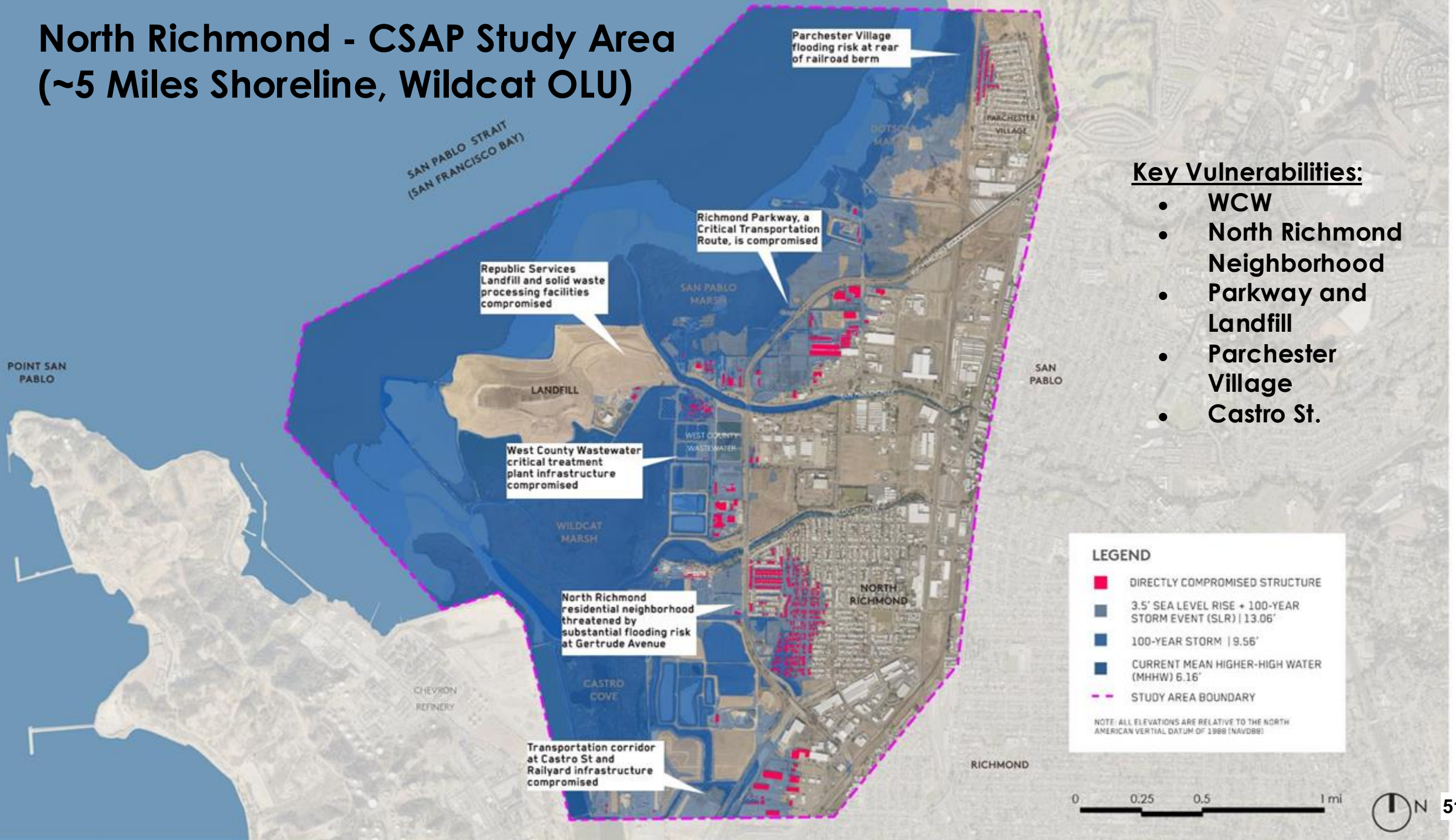
North Richmond Collaborative Shoreline Plan: Near Term Vision



North Richmond Collaborative Shoreline Adaptation: Near-Term Vision Plan



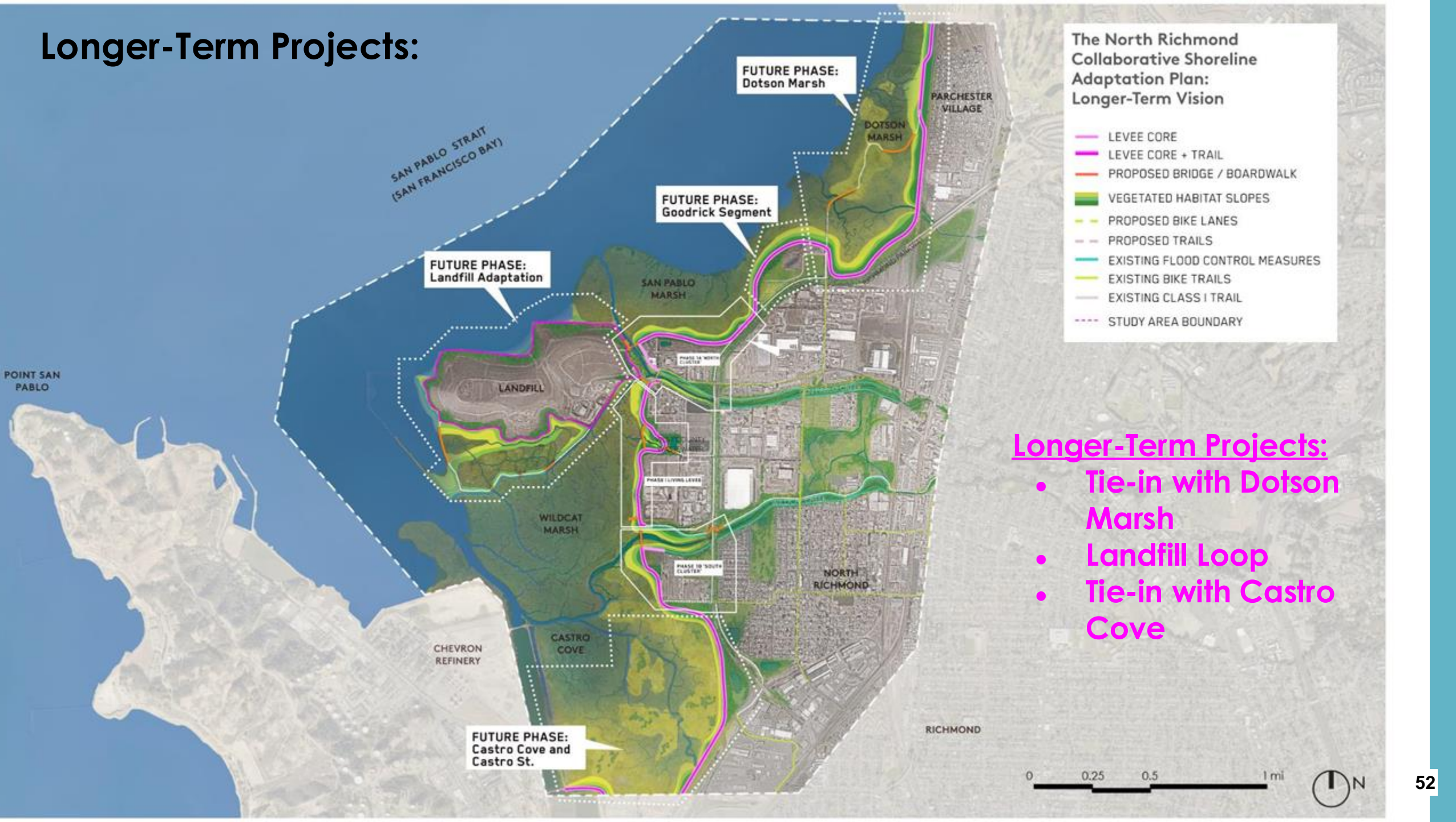
North Richmond - CSAP Study Area (~5 Miles Shoreline, Wildcat OLU)

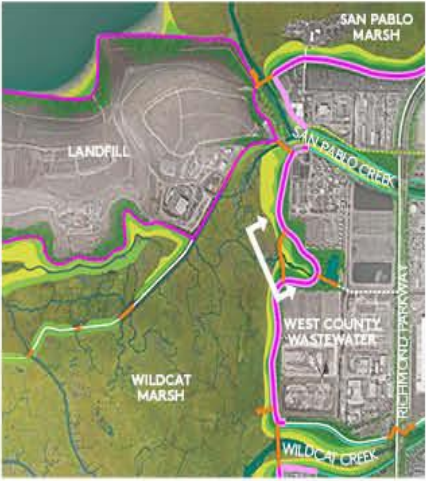


Key Vulnerabilities:

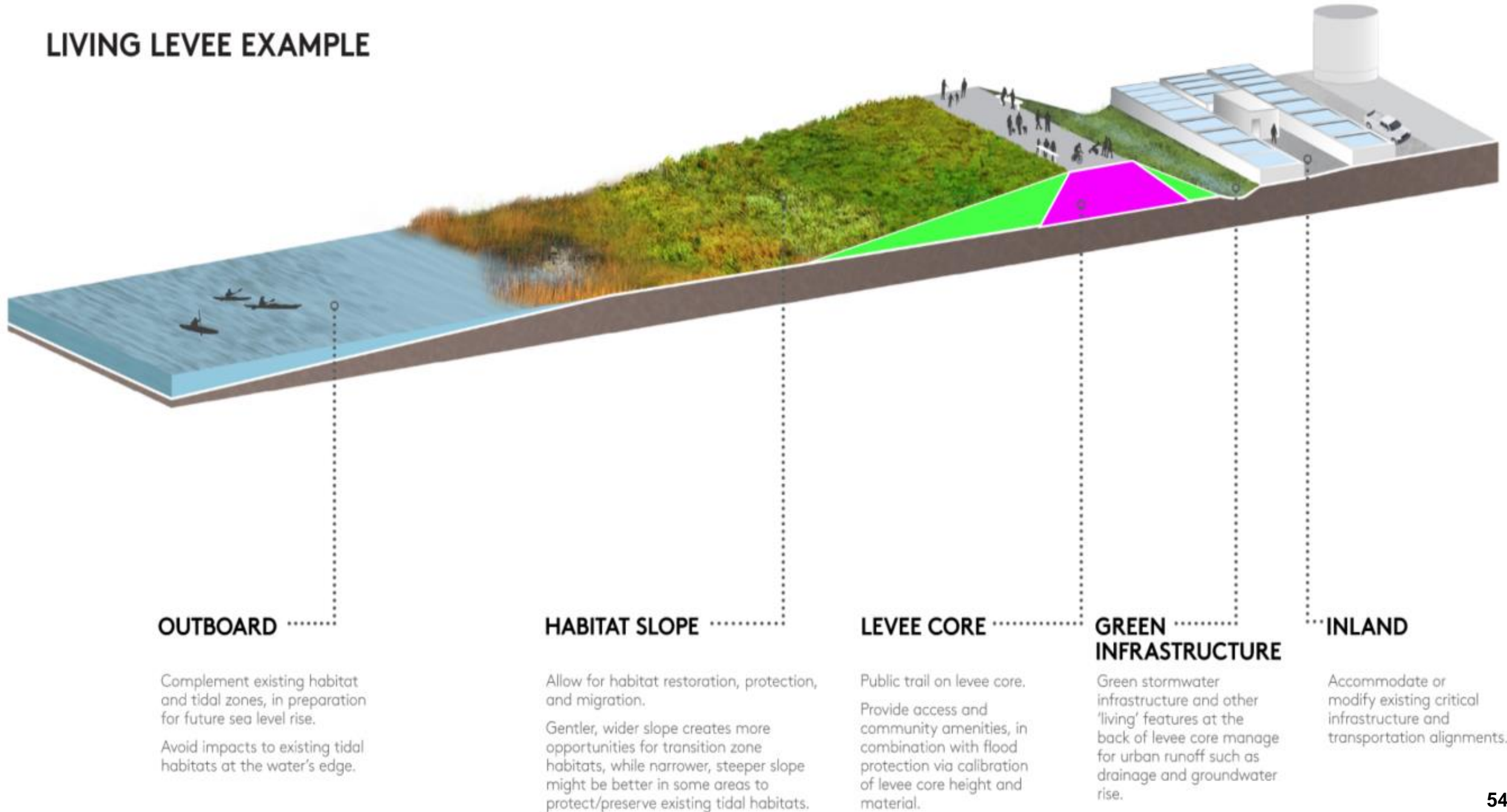
- WCW
- North Richmond Neighborhood
- Parkway and Landfill
- Parchester Village
- Castro St.

Longer-Term Projects:

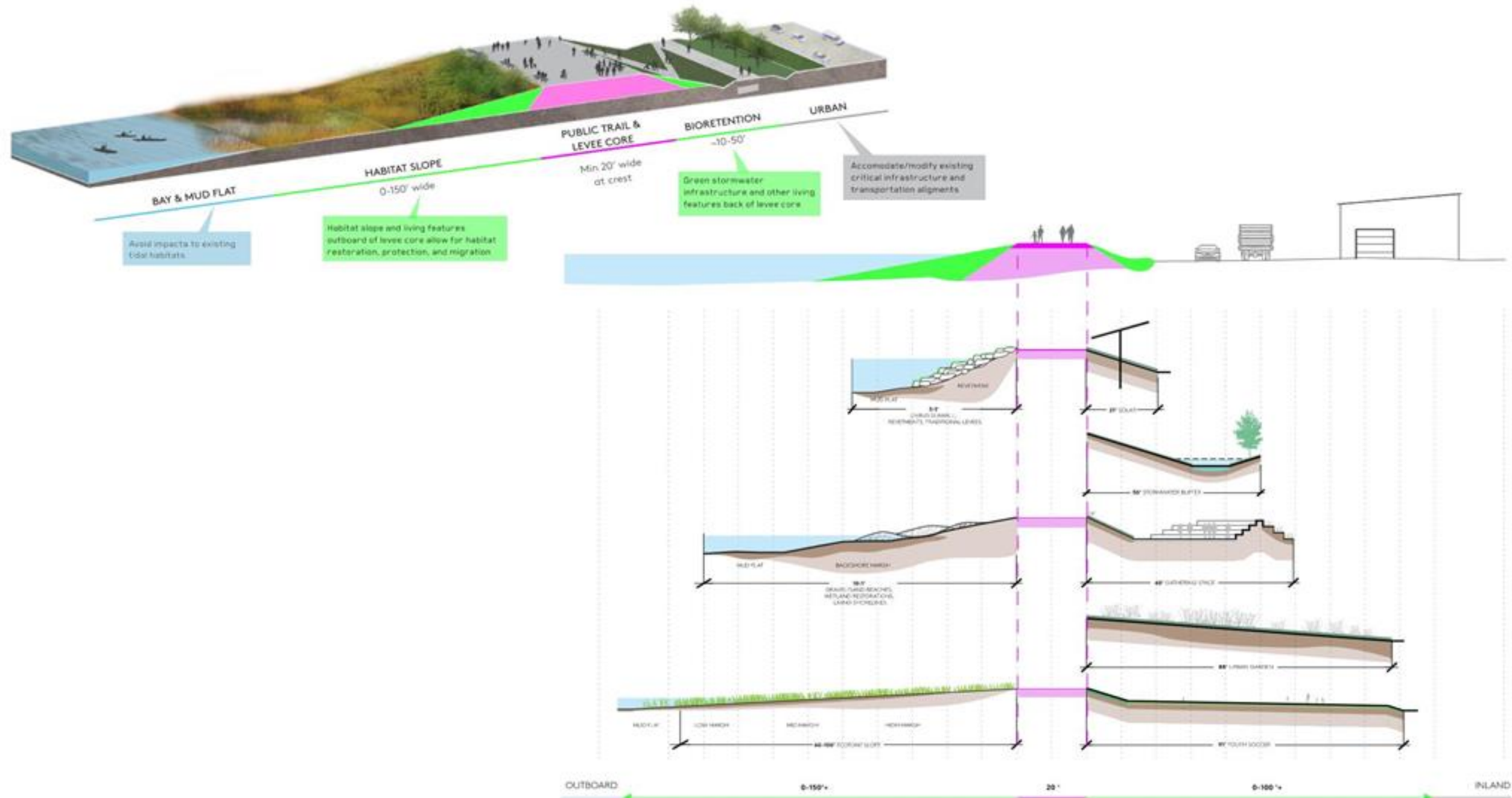




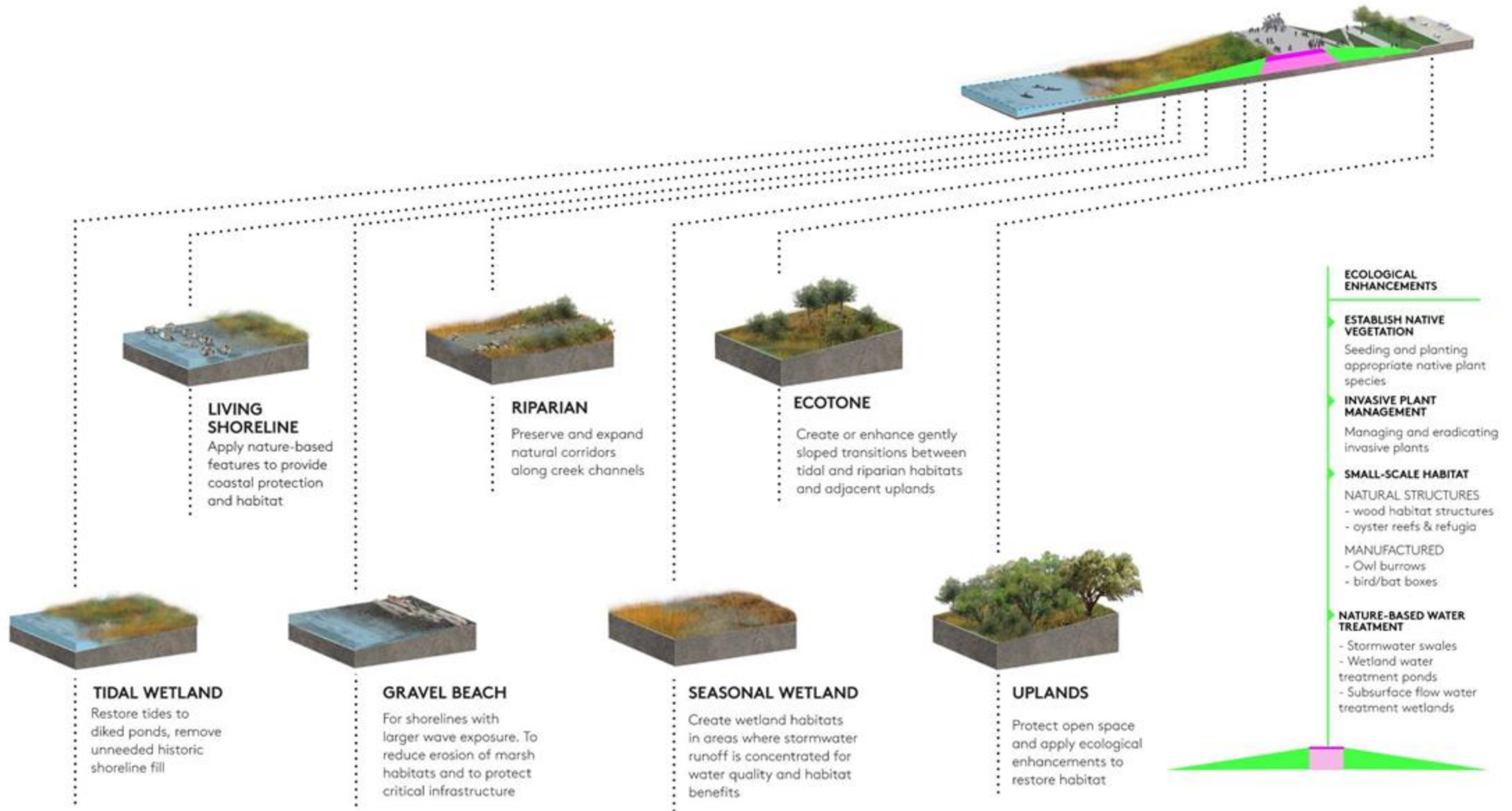
LIVING LEVEE EXAMPLE



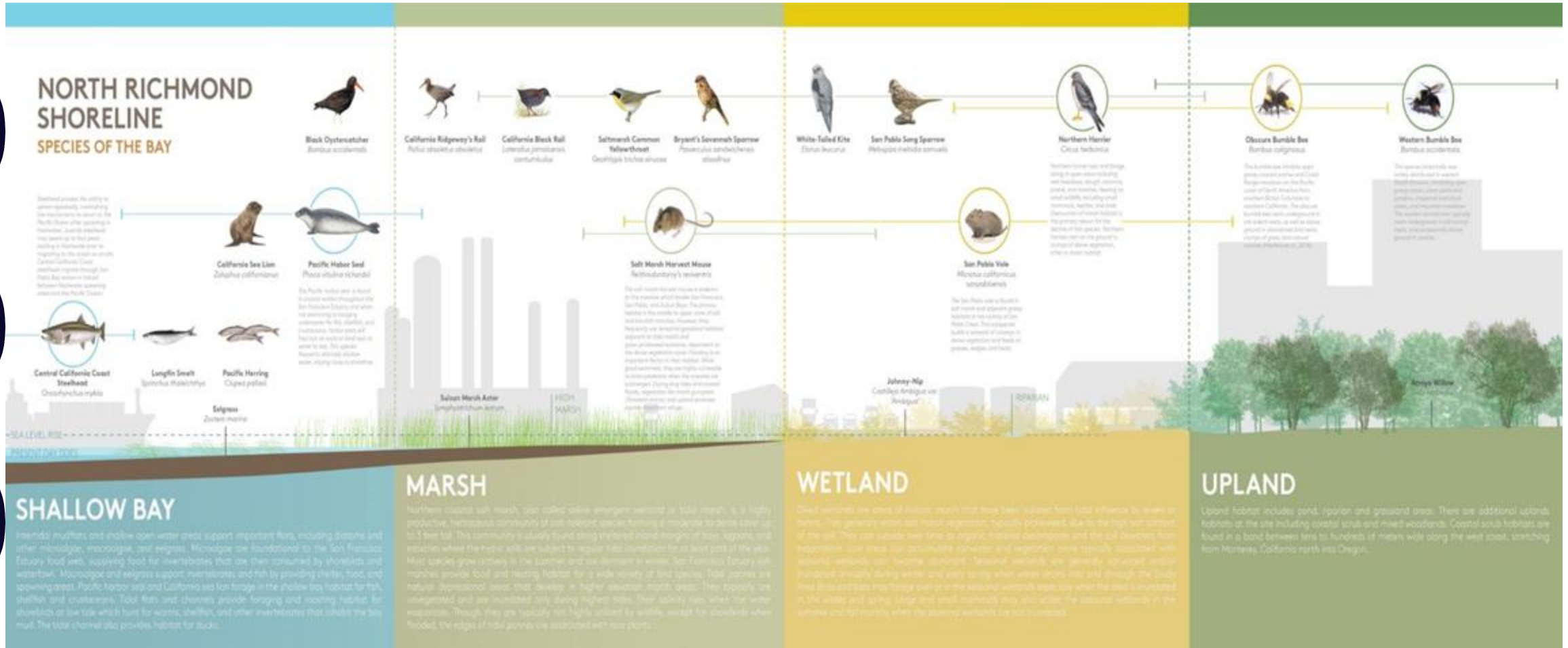
Living Levees: A Flexible Band



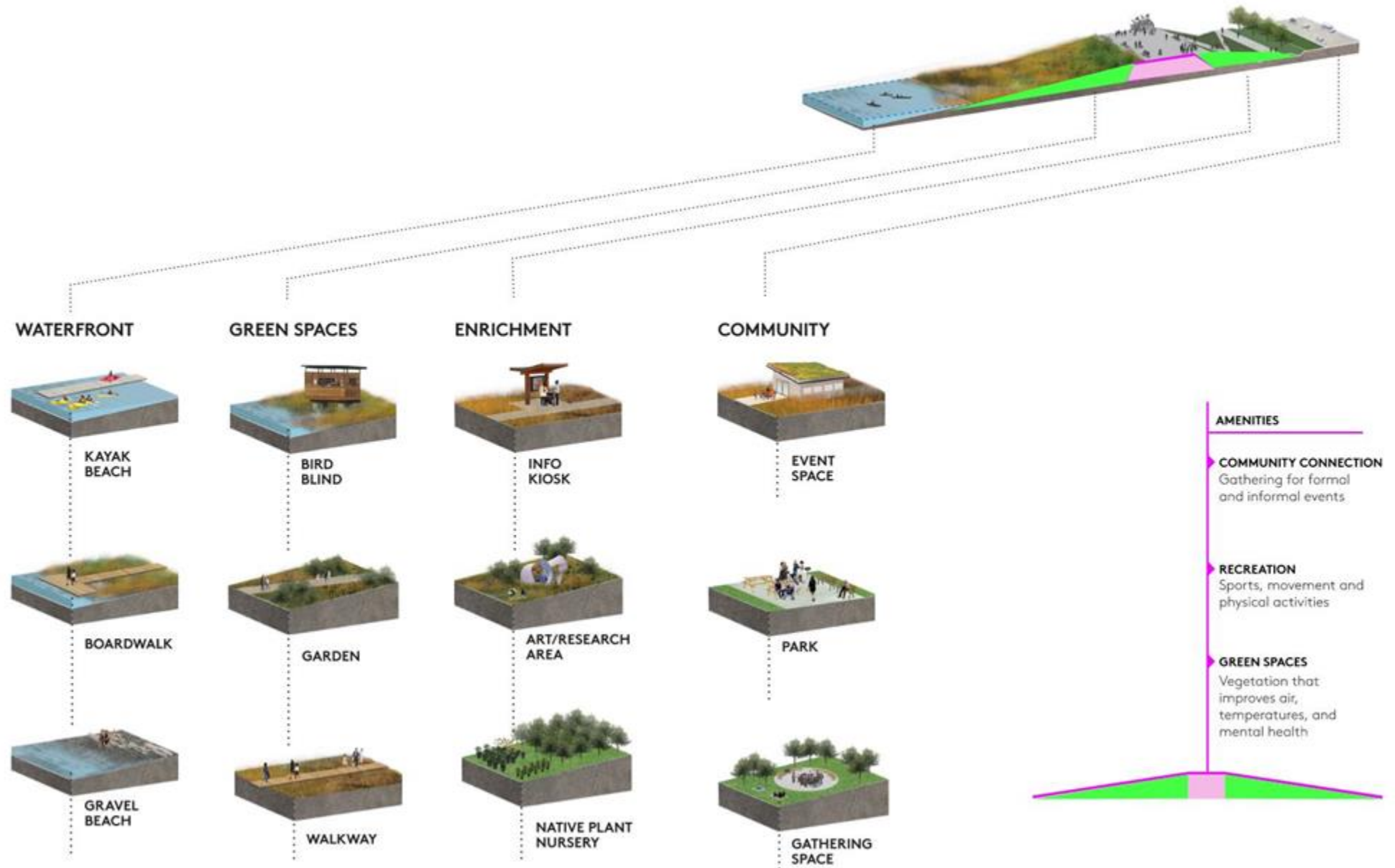
Habitats



Habitats



Amenities



PHASE I – LIVING LEVEE AT WEST COUNTY WASTEWATER

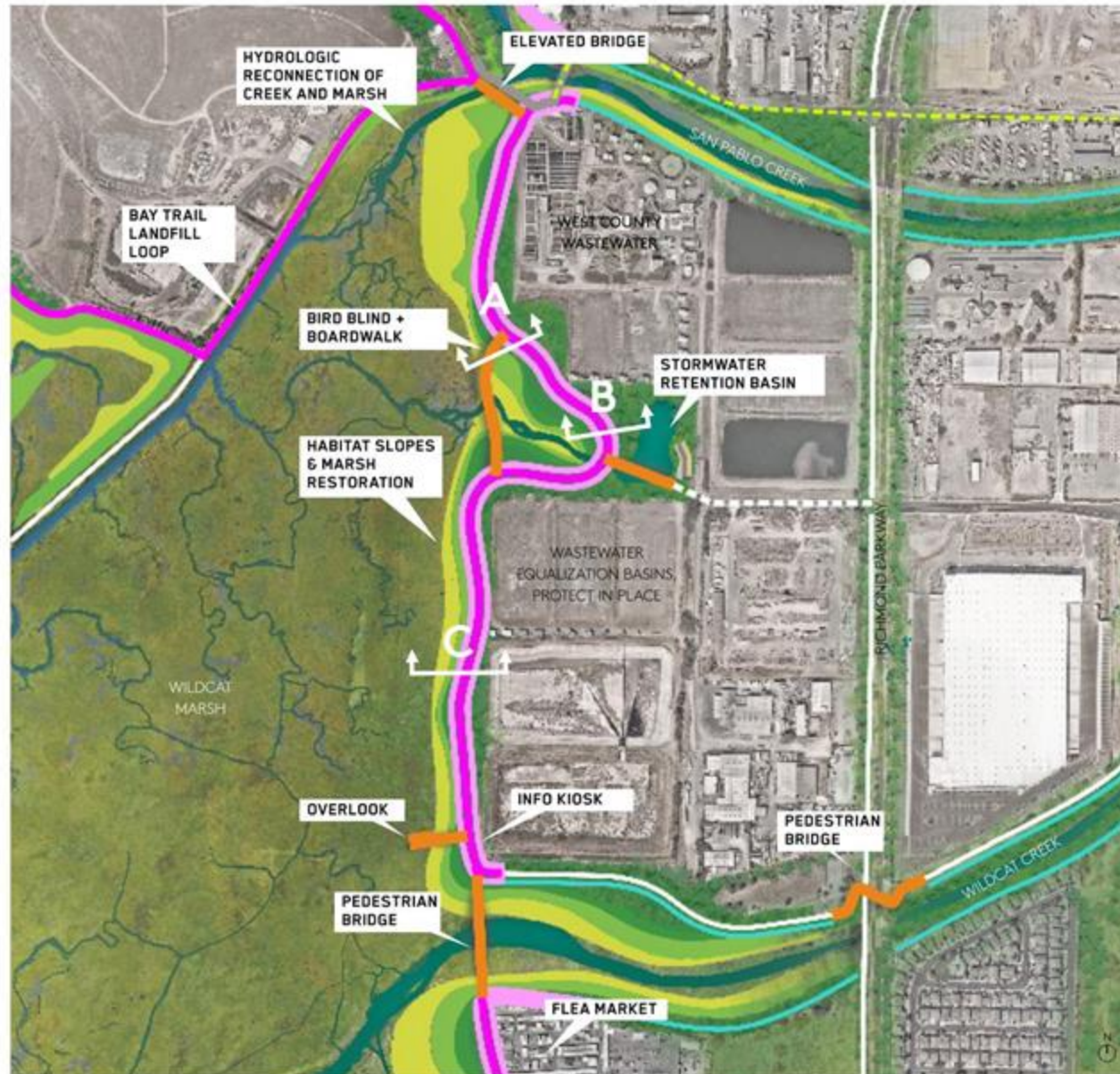
SECTION "A" WILDCAT MARSH
BOARDWALK & TRAIL ACCESS

SECTION "B" STORMWATER RETENTION

SECTION "C" EQUALIZATION BASIN

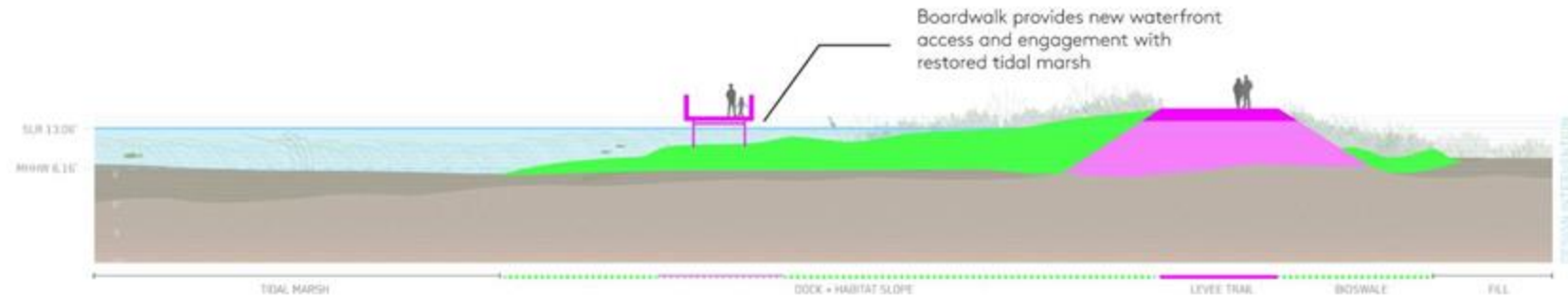
SEE SECTION ENLARGED EXHIBITS ON FOLLOWING PAGES.
SEE APPENDIX FOR DESIGN DETAILS.

- LEVEE CORE
- LEVEE CORE + TRAIL
- PROPOSED BRIDGE / BOARDWALK
- VEGETATED HABITAT SLOPES
- PROPOSED BIKE LANES
- PROPOSED TRAILS
- EXISTING FLOOD CONTROL MEASURES
- EXISTING BIKE TRAILS
- EXISTING CLASS I TRAIL
- STUDY AREA BOUNDARY



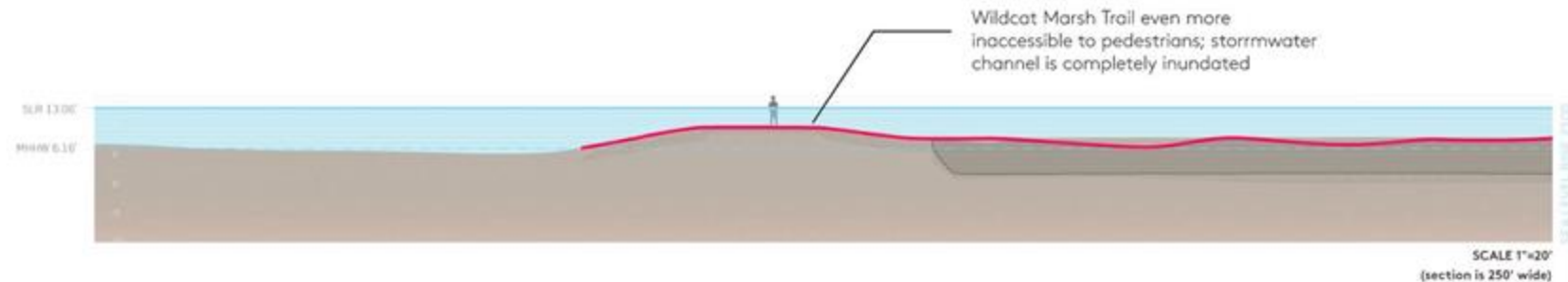
A Wildcat Marsh Boardwalk & Trail Access

OPENING THE WATERFRONT



LEGEND

- LEVEE
- HABITAT
- WATER LEVELS
- OVERTOPPING
- GROUND
- SUB-SURFACE GROUNDWATER (ESTIMATED)



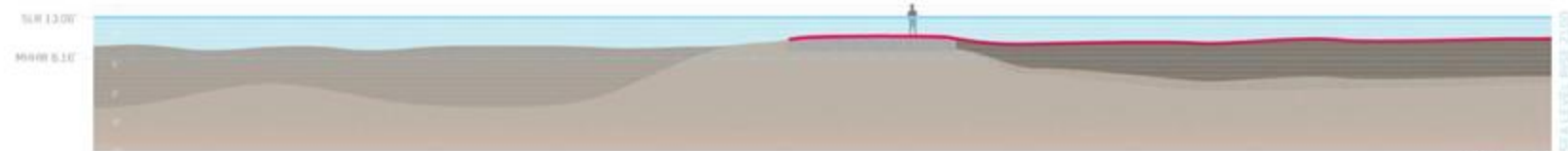
B Stormwater Retention

PROTECTING WATER AND
ADDING HABITAT



LEGEND

- LEVEE
- HABITAT
- WATER LEVELS
- OVERTOPPING
- GROUND
- SUB-SURFACE GROUNDWATER (ESTIMATED)



SCALE 1"=20'
(section is 250' wide)

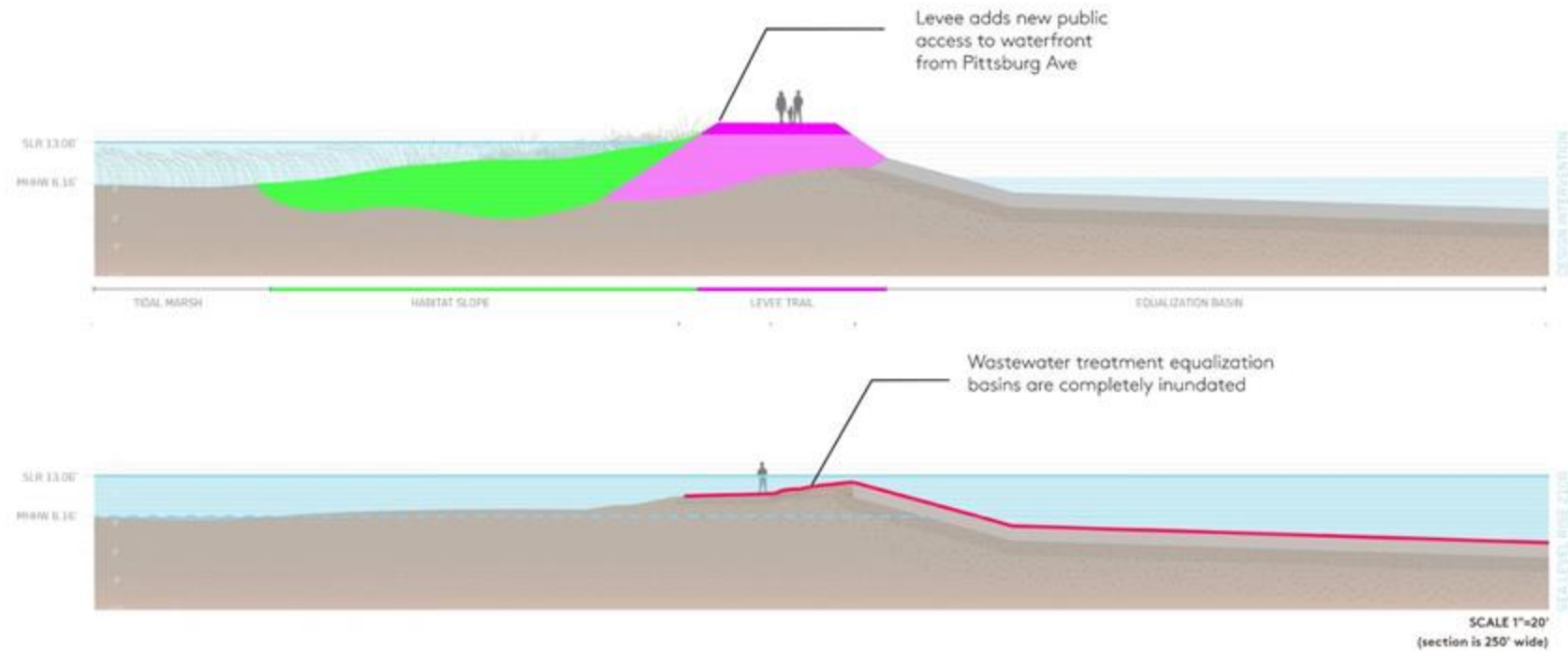
C Equalization Basin

INTEGRATING PERMANENT PUBLIC ACCESS WITH
INFRASTRUCTURE



LEGEND

- LEVEE
- HABITAT
- WATER LEVELS
- OVERTOPPING
- GROUND
- SUB-SURFACE GROUNDWATER (ESTIMATED)



PHASE 1A: "CLUSTER NORTH" CONCEPT DESIGN

SECTION "A" REPUBLIC SERVICES

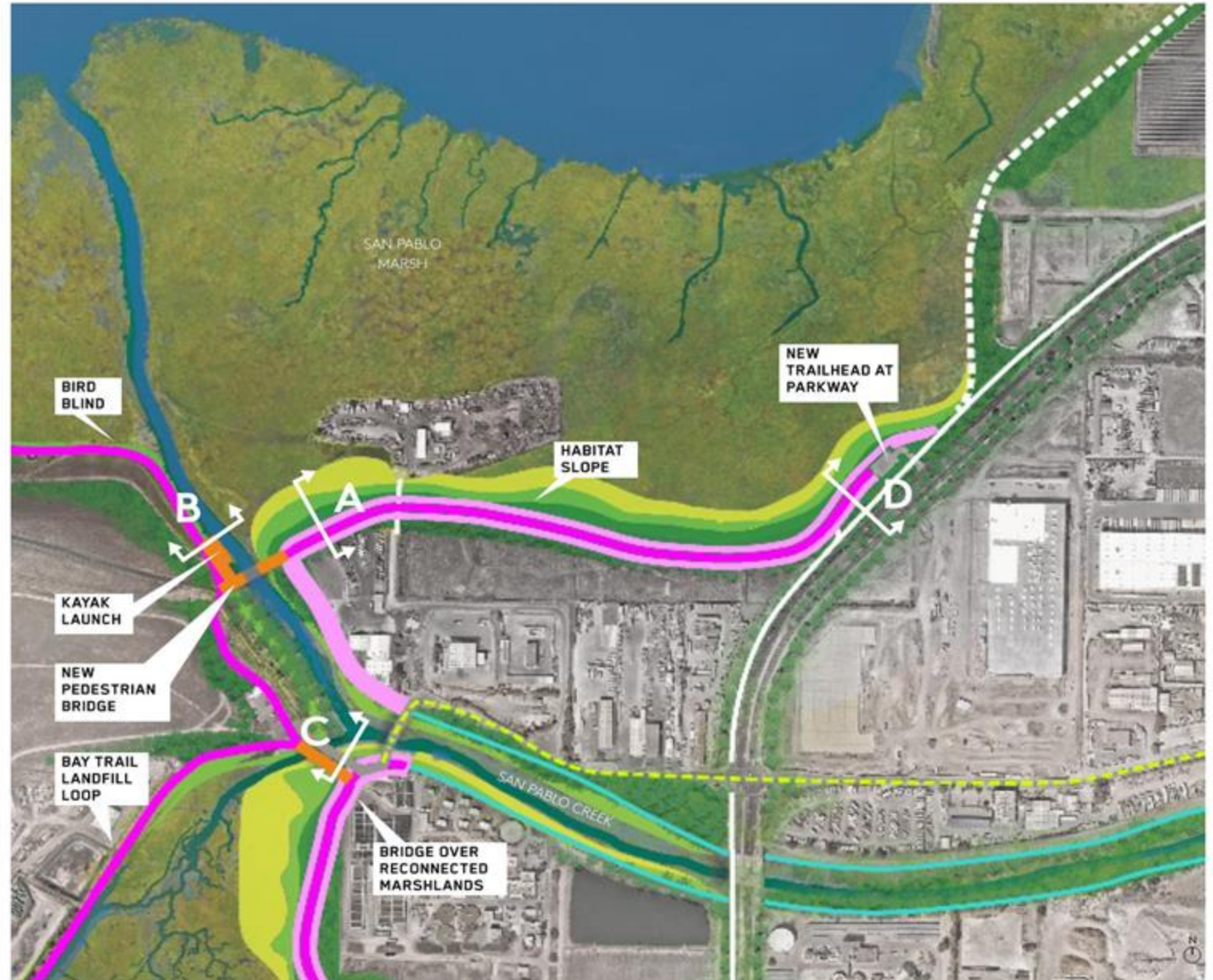
SECTION "B" SMALL-CRAFT LAUNCH

SECTION "C" MARSH RE-CONNECTION

SECTION "D" RICHMOND PARKWAY

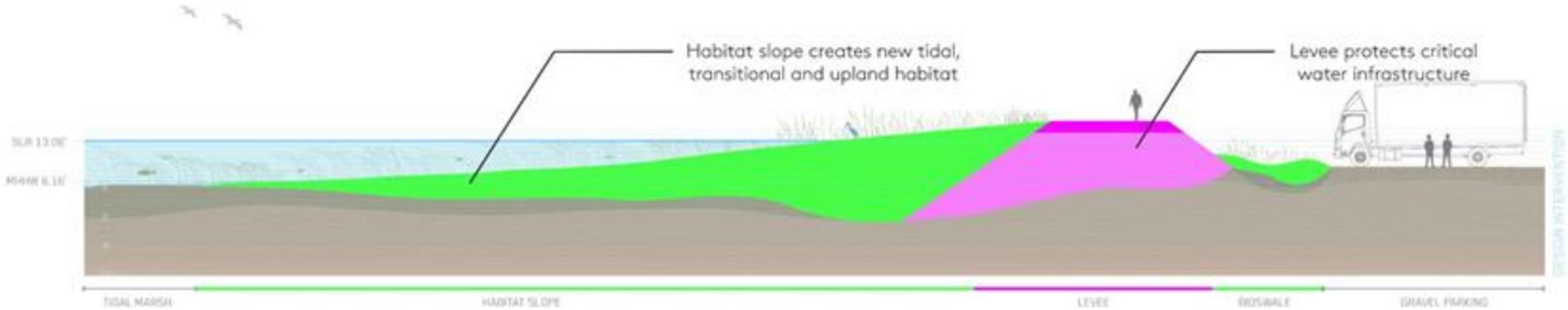
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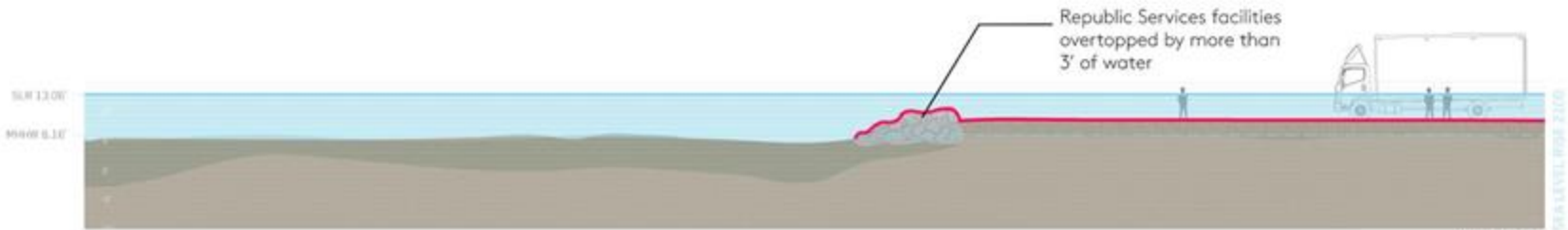
A Republic Services

INTEGRATING HABITAT ADAPTATION, PERMANENT
PUBLIC ACCESS WITH CURRENT FACILITIES



LEGEND

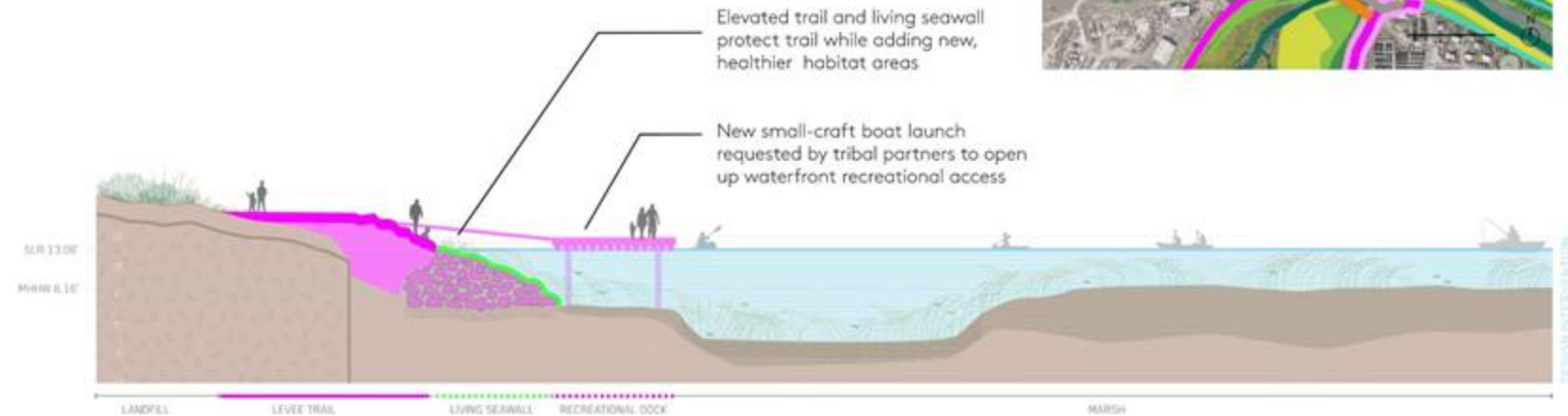
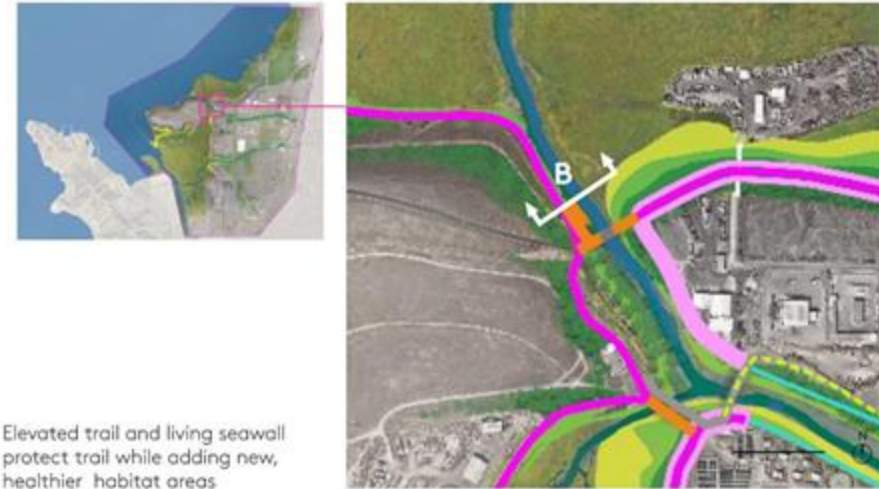
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- WATER LEVELS
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SCALE 1"=20'
(section is 250' wide)

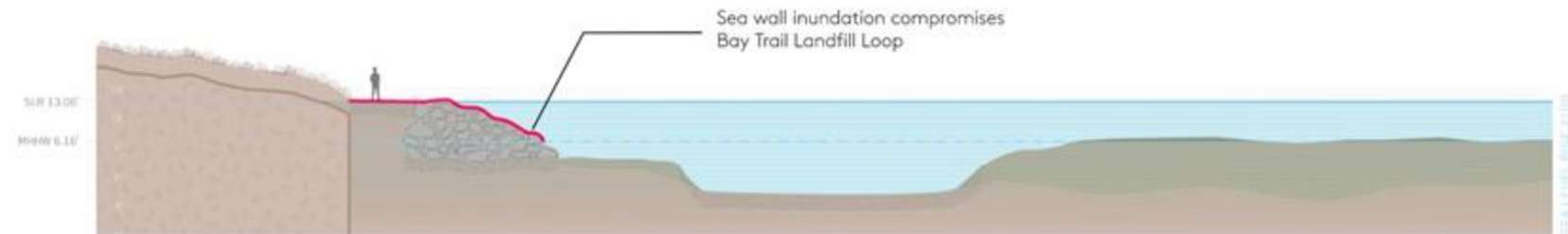
B Small-Craft Launch

ELEVATING PERMANENT PUBLIC ACCESS WITH RECREATIONAL ASSETS



LEGEND

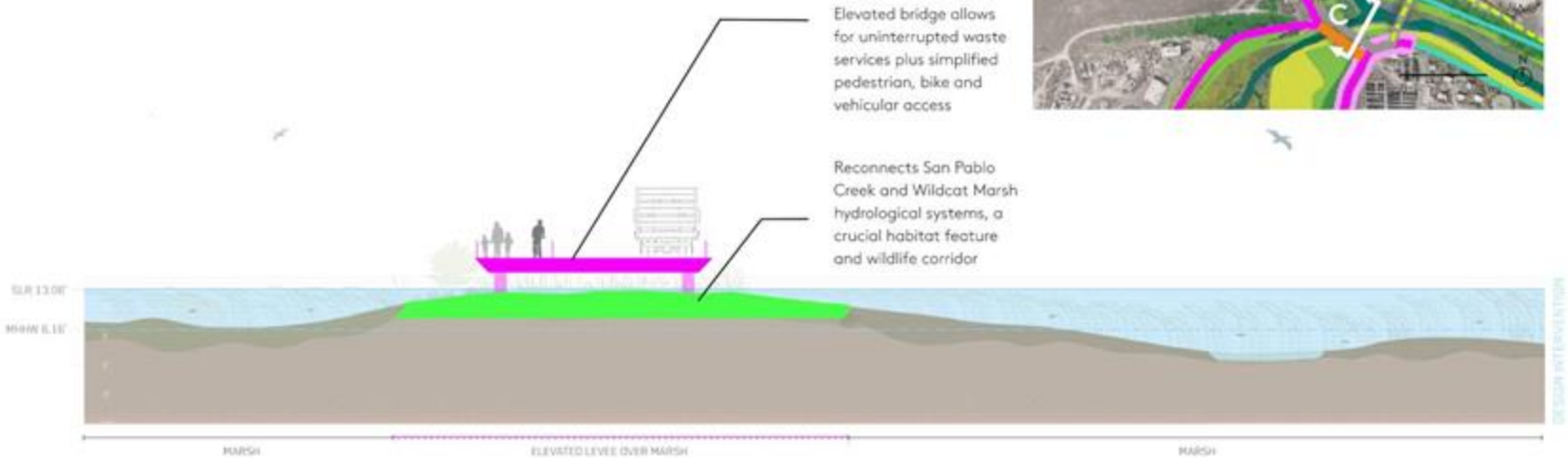
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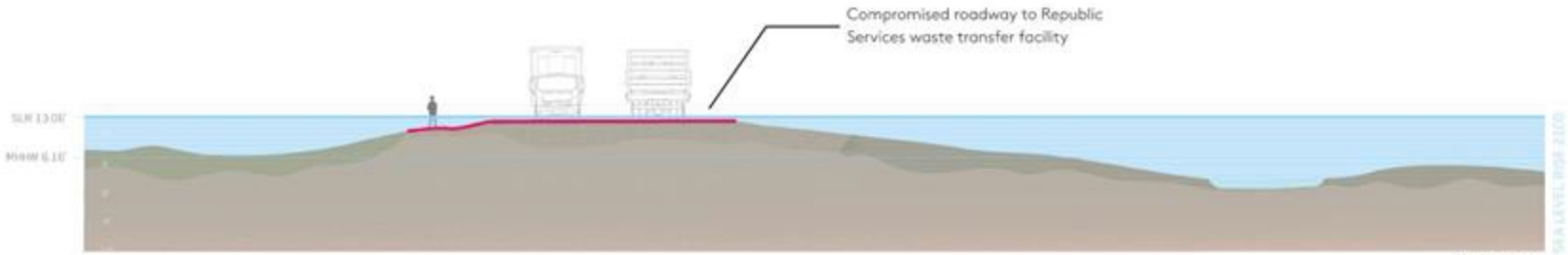
C Marsh Re-Connection

RECONNECTING HABITAT CORRIDORS AND
HYDROLOGICAL FLOWS; INSTALLING PERMANENT,
SAFE PUBLIC ACCESS



LEGEND

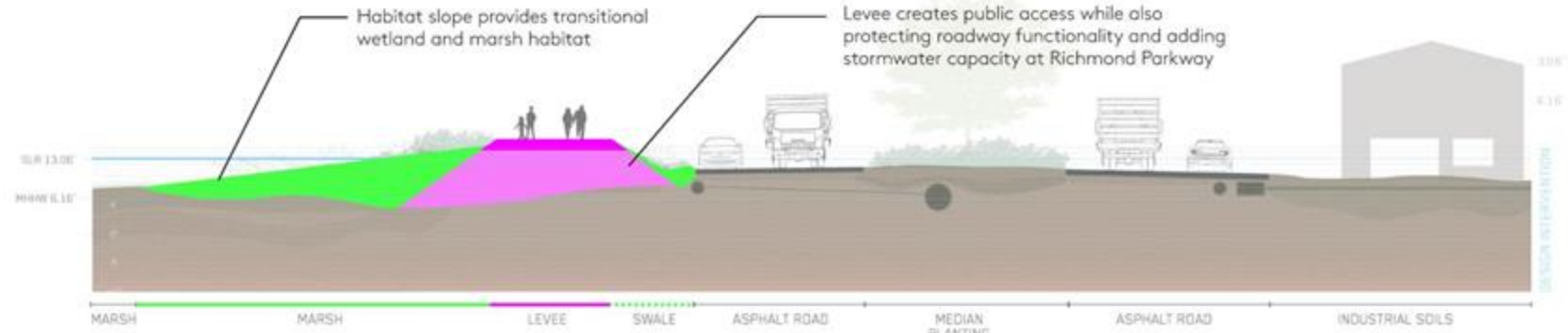
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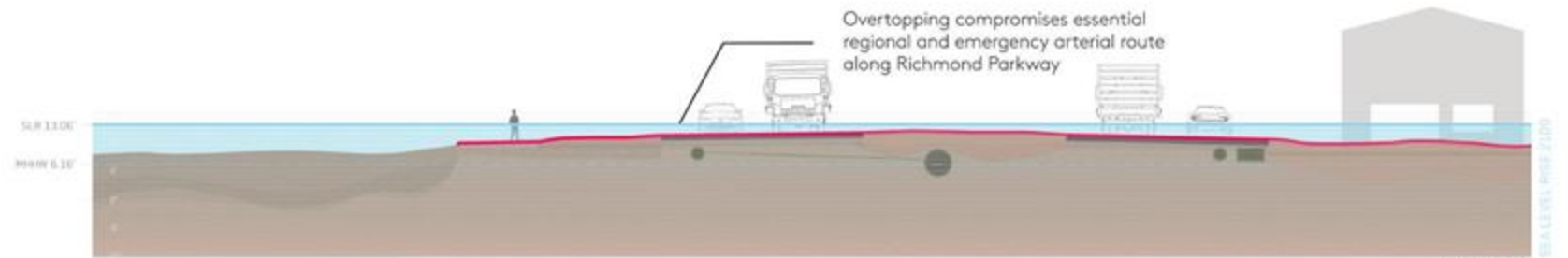
D Richmond Parkway

PROTECTING A CRITICAL TRANSIT CORRIDOR



LEGEND

- LEVEE
- HABITAT
- WATER LEVELS
- OVERTOPPING
- GROUND
- SUB-SURFACE GROUNDWATER (ESTIMATED)



SCALE 1"=20'
(section is 250' wide)

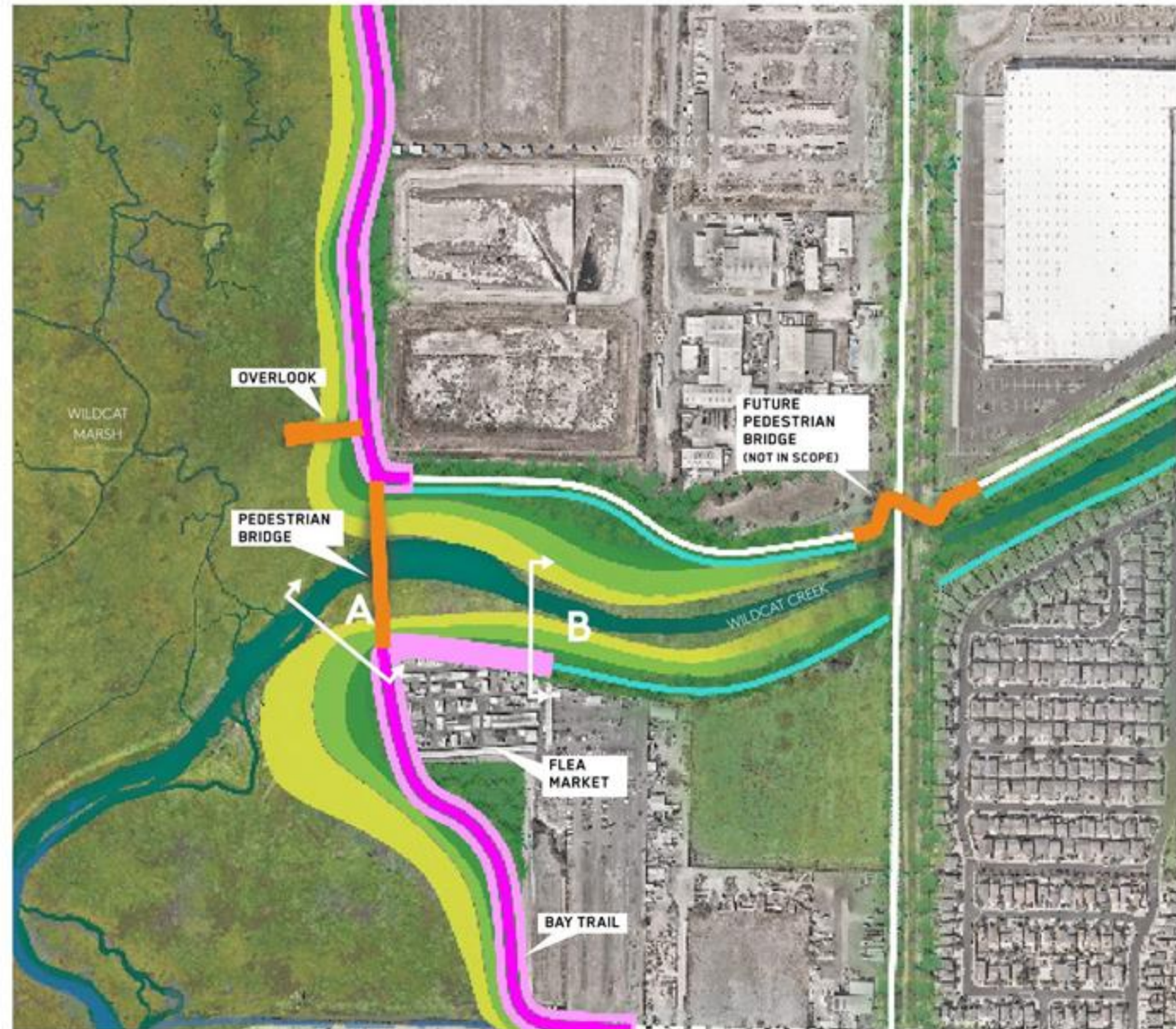
PHASE 1B: "CLUSTER SOUTH" CONCEPT DESIGN

SECTION "A" MARKET-TO-TRAIL
CONNECTION

SECTION "B" RIPARIAN HABITAT

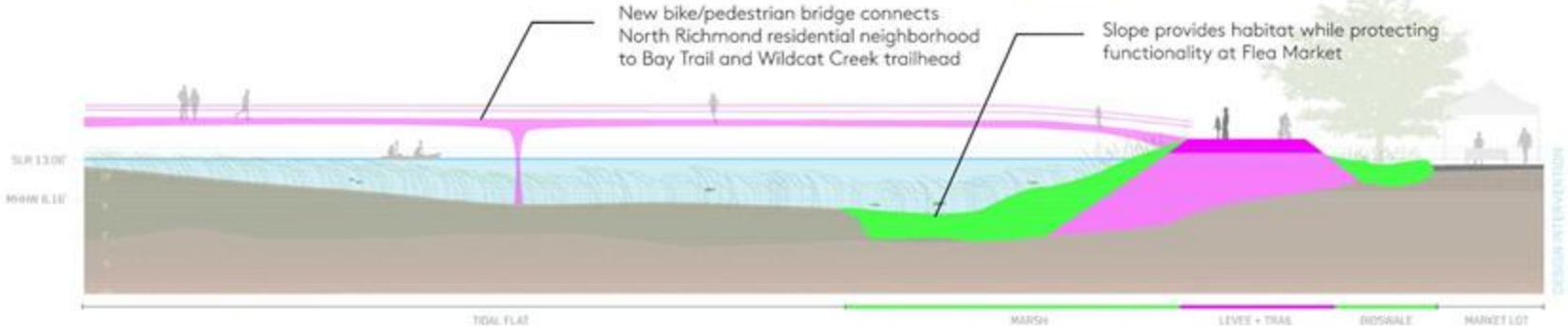
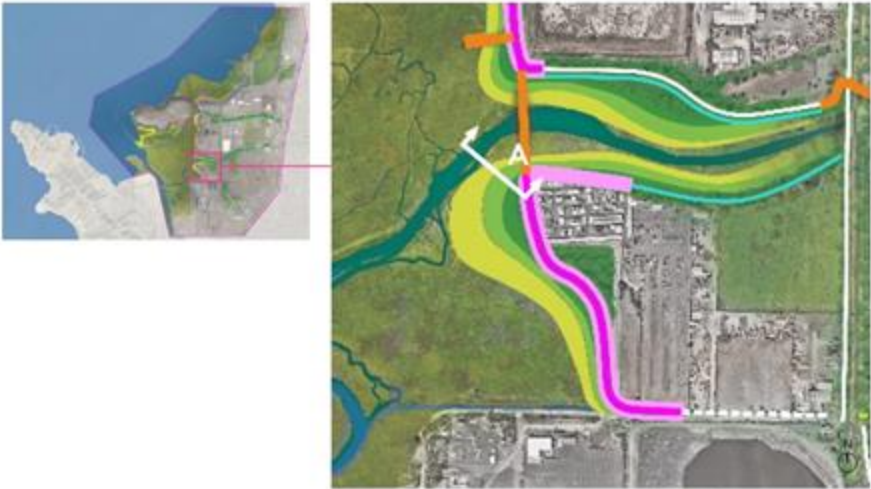
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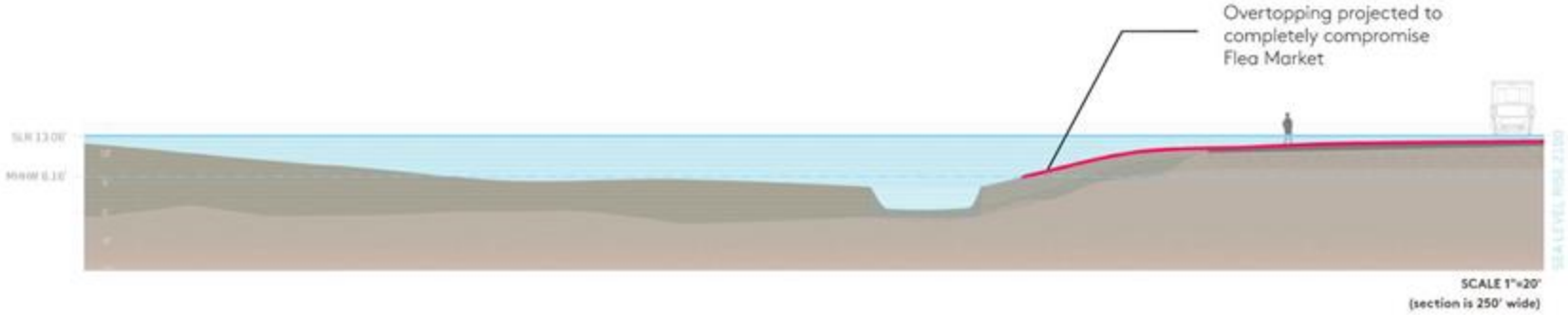
A Market-to-trail connection

INSTALLING PERMANENT, SAFE PUBLIC ACCESS;
PROTECTING AN ESSENTIAL COMMUNITY ASSET



LEGEND

- LEVEE
- HABITAT
- WATER LEVELS
- OVERTOPPING
- GROUND
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Looking North Over WCW



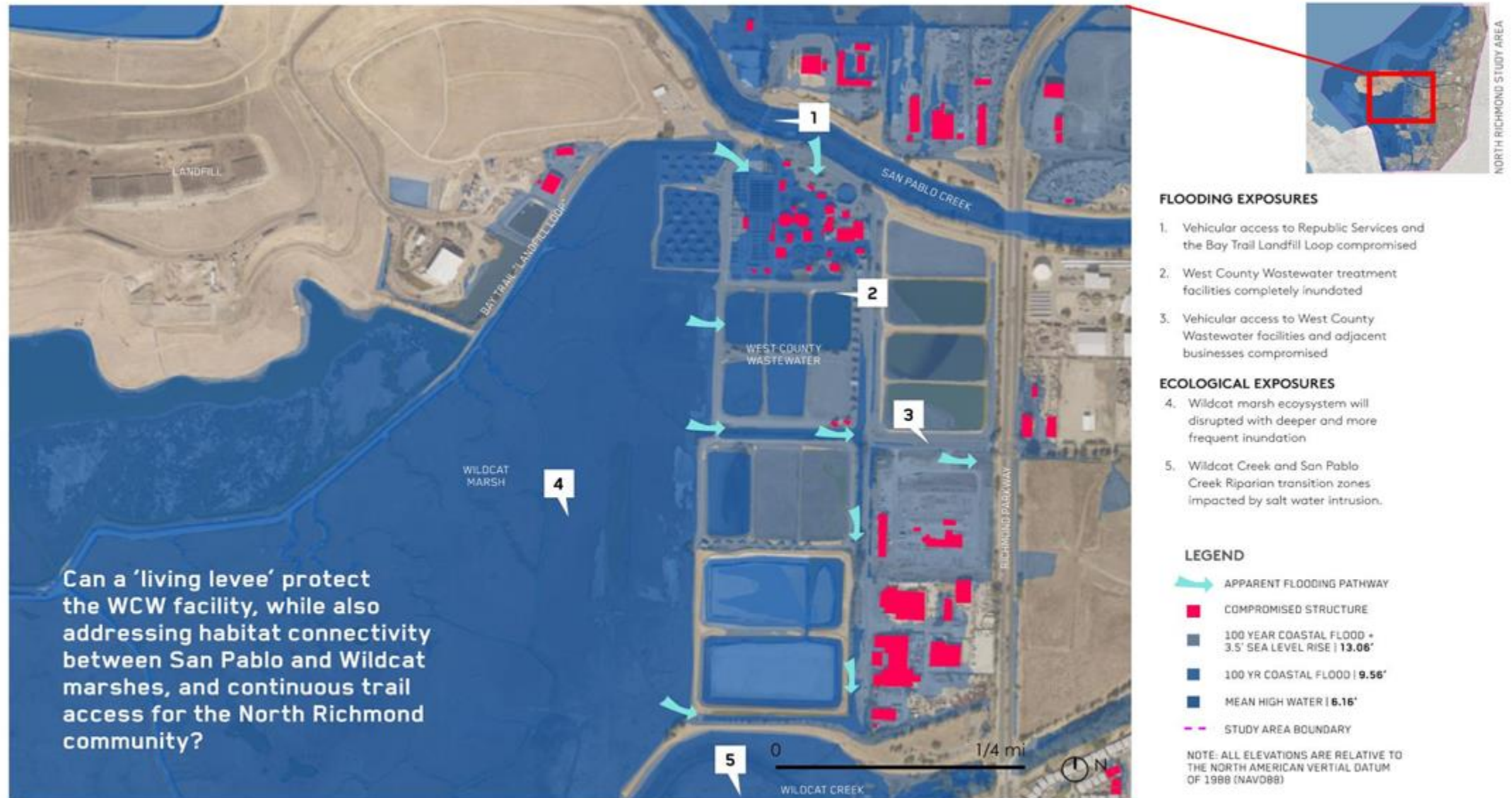
Looking South at San Pablo Marsh



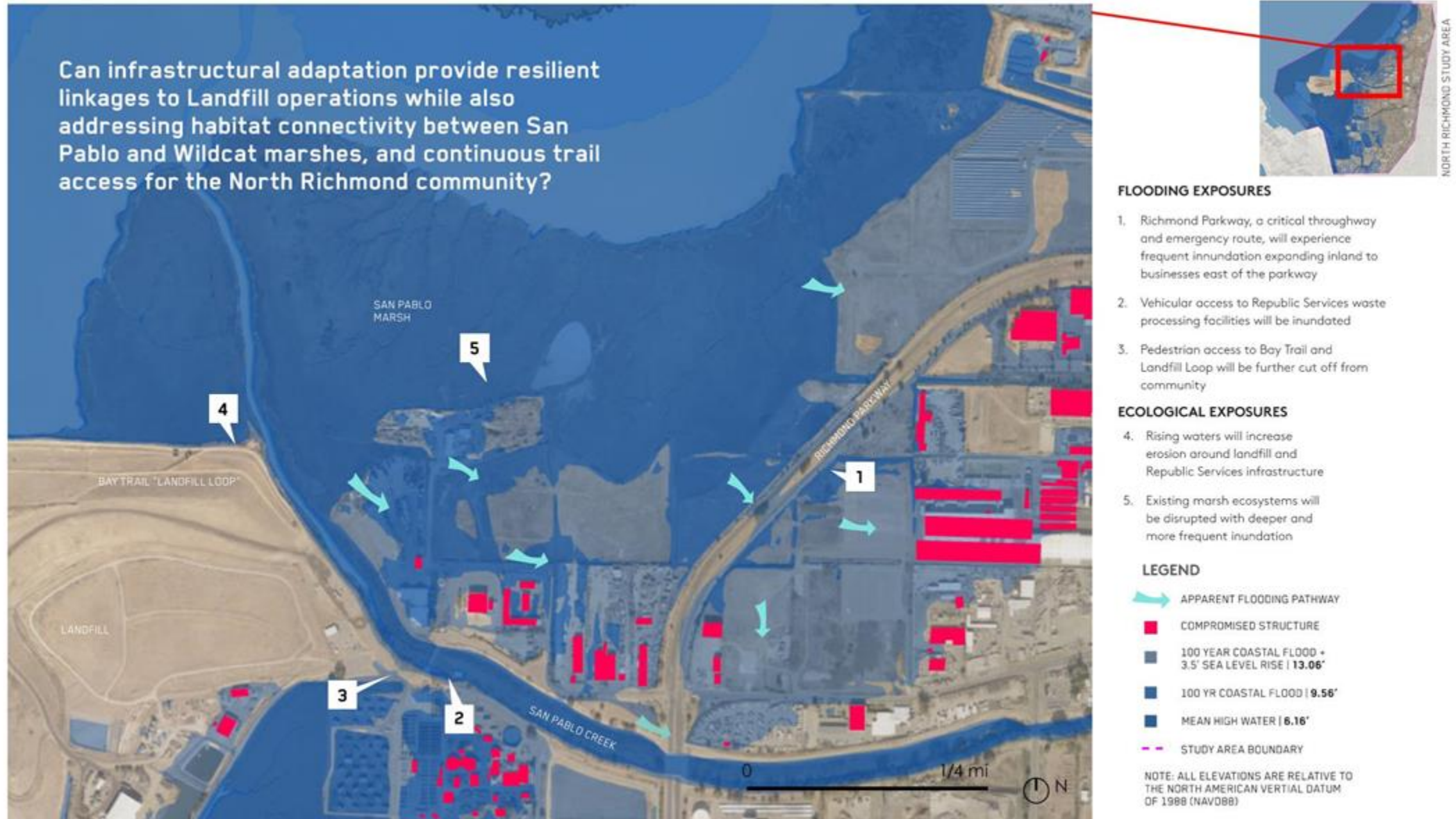
Looking West Over North Richmond



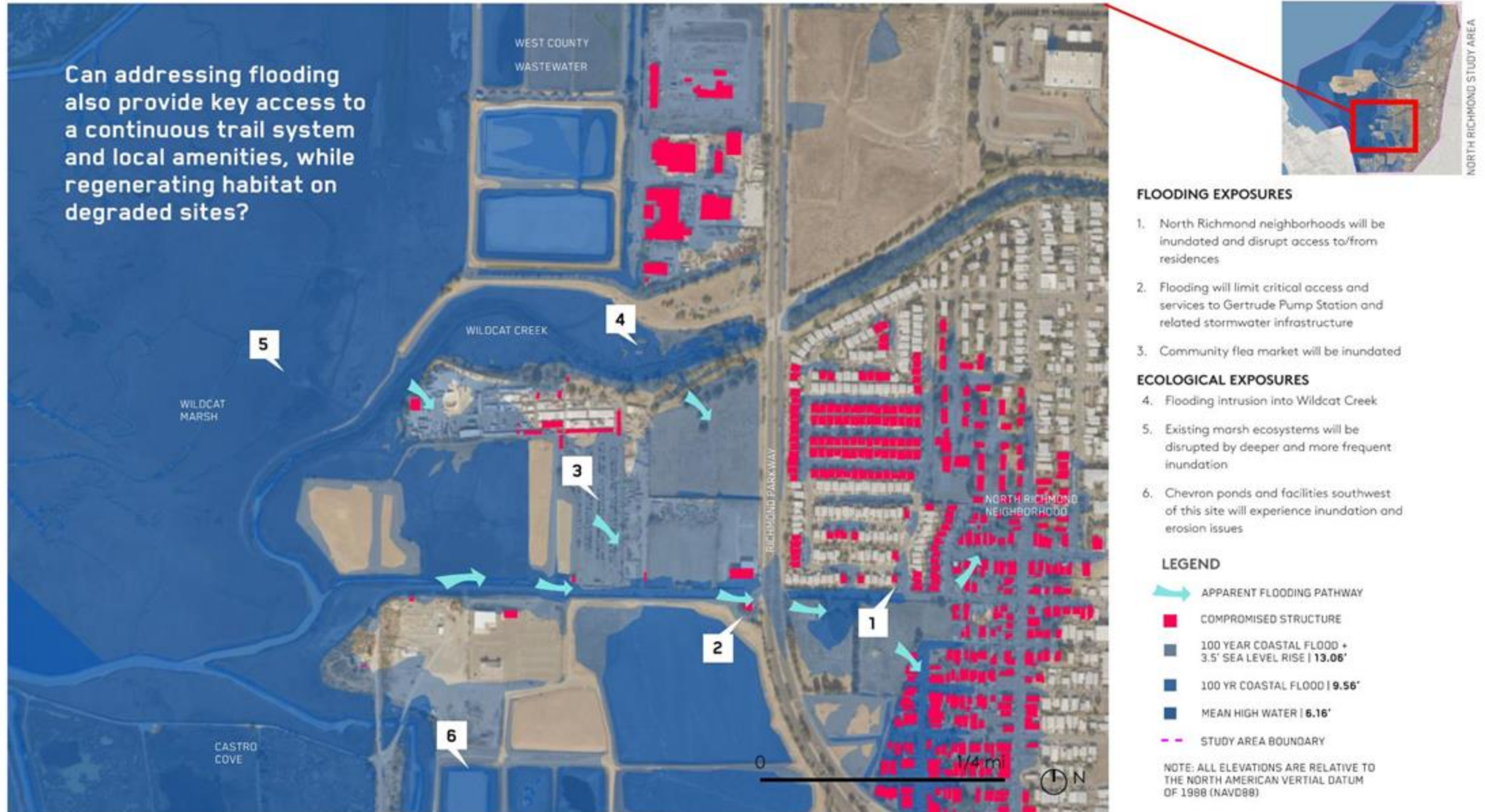
Enlarged View: Inundation at West County Wastewater Vicinity



Enlarged View: Inundation at San Pablo Marsh & Richmond Pkwy

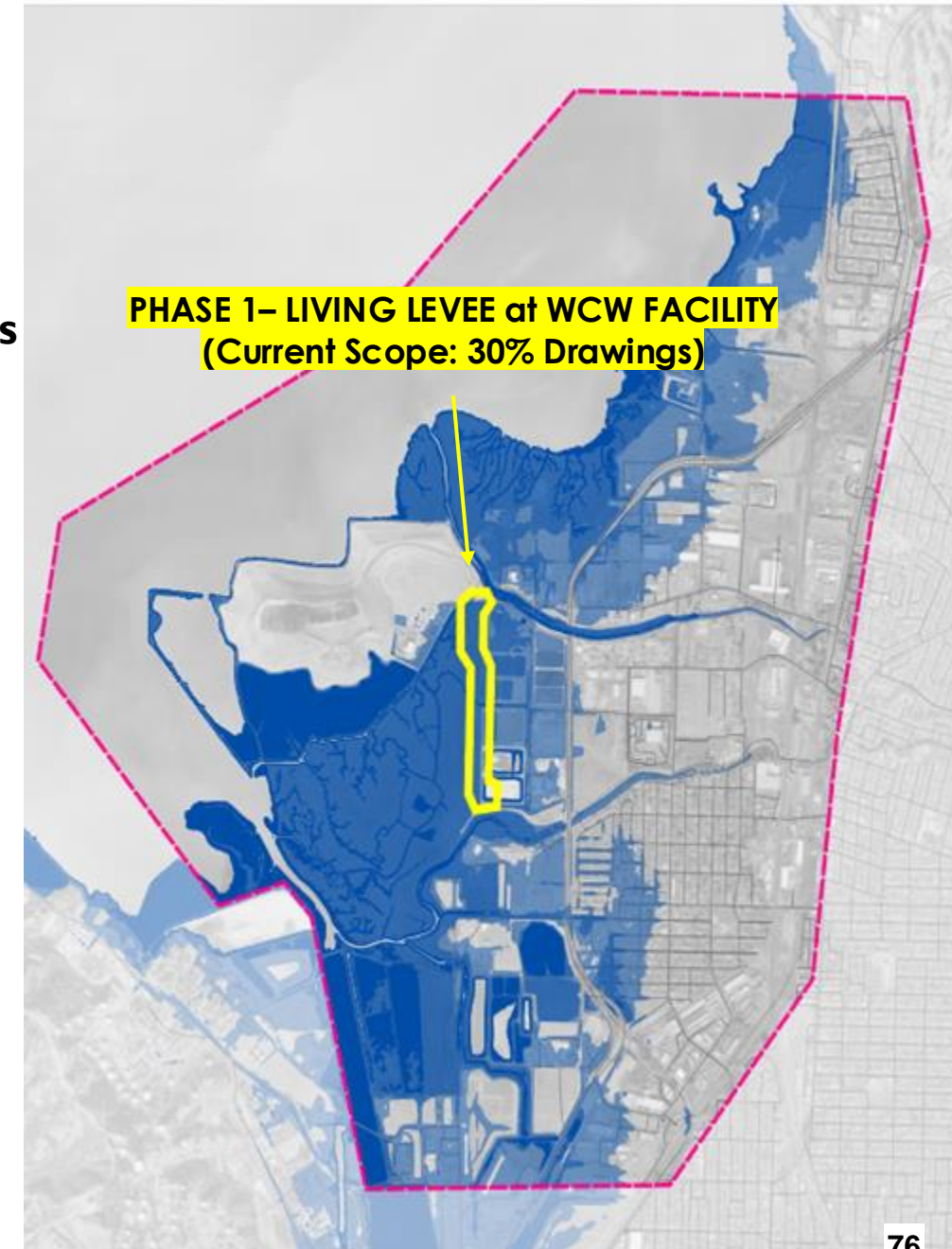


Enlarged View: Inundation at North Richmond



Phase 1 Living Levee Project Deliverables

1. **Habitat Assessment**
2. **Preliminary Geotechnical Recommendations**
3. **Preliminary Plumbing and Irrigation Recommendations**
4. **30% Design Drawings**
5. **Probable Construction Costs**
6. **30% Design Memo**
 - Goals and Objectives
 - Background Info
 - Design Criteria
 - Flood Protection
 - SLR Resilience
 - Levee Geometry
 - Stormwater
 - Description of Project Elements
 - Recommended Future Studies
 - Data Gaps, and Unresolved Questions



NEXT STEPS & HURDLES

NORTH
RICHMOND

PHASE 1A 'NORTH CLUSTER'

SAN PABLO
MARSH

- COORDINATION TO CITY & COUNTY EFFORTS
- GOVERNANCE
- PROJECT LEADER IDENTIFICATION

SAN PABLO CREEK

WEST COUNTY
WATEWATER

RICHMOND PARKWAY

- COORDINATION TO CITY & COUNTY EFFORTS
- CONTAMINATION
- PEDESTRIAN CONNECTIVITY

PHASE 1 LIVING LEVEL

- CONSTRUCTABILITY
- COSTING
- USACE RELATIONSHIP
- LOCAL FUNDING MATCH OPTIONS

PHASE 1B 'SOUTH CLUSTER'

WILDCAT CREEK

WILDCAT
MARSH

In Memoriam...





QUESTIONS?

THANK YOU!





CONTRA COSTA COUNTY

1025 ESCOBAR STREET
MARTINEZ, CA 94553

Staff Report

File #: 25-2344

Agenda Date: 6/13/2025

Agenda #: 5.

Advisory Board: Hazardous Materials Commission Operations Committee

Subject: Operations Committee Priorities for 2025

Presenter: Committee Chairs

Information:

Attached to this agenda item are the Hazardous Materials Commission priorities for 2025 and the priorities assigned to each committee.

Recommendation(s)/Next Step(s):

DISCUSS the Hazardous Materials Commission 2025 Priorities assigned to the Operations Committee and DISCUSS potential guest speakers.

2025 HMC Priorities for Consideration

General Priorities

- Brownfield development-cleanup standards/reuses ; Emerging remediation technology e.g., in situ phytoremediation, bugs/bioremediation, albino redwoods, mycelium (mushrooms)
- Soil/water contamination – unhoused population impacts – signage for hazardous/carcinogenic/radioactive sites
- Carbon capture technologies/ carbon sequestration
- Concerns from increased electrification – byproducts, EV,
- PFAS/Forever chemical treatments (contact EPA)
- Thermographic ink used for receipts – carcinogenic concerns – raise public awareness
AB134? Banning in CA

Assigned to Operations Committee

- Hazardous Materials transportation corridors. E.g., Railroads, impacts from Sea Level Rise DCD working on this as well)
- Battery waste management, recycling ; Promote sodium batteries vs lithium batteries ; emergency response/chemicals used for fires (contact EPA ; Con Fire)
- Hydrogen generation

Assigned to Planning & Policy Committee

- Monitor general plan (continue)
- CWS notification
- Aviation fuel changes (2031) (Richmond company “twelve” jet fuel from CO2)