

Richmond Sea Level Rise Adaptation and Resilience Plan

North Richmond
Neighborhood Council

February 3, 2026

MITHŪN



Project Overview, Goals, & Timeline

Project Purpose

- **The City of Richmond's 32 miles of shoreline faces increasing risks from sea level rise**, which threatens community well-being and environmental health.
- The City is launching **a community-driven effort to develop a shared vision and clear pathways for implementation** that build resilience for Richmond residents against coastal flooding
- This plan will address **SB272**, California legislation from 2023, that "requires local governments within the coastal zone to develop a sea level rise plan by 2034."
- The plan will need to be approved by **San Francisco Bay Conservation and Development Commission** (BCDC) and follow their **Regional Shoreline Resilience Plan** (RSAP)
- **Funding** for the planning process from the California Ocean Protection Council



Project Partners



Other Sea-Level Rise Resilience Adjacent Projects

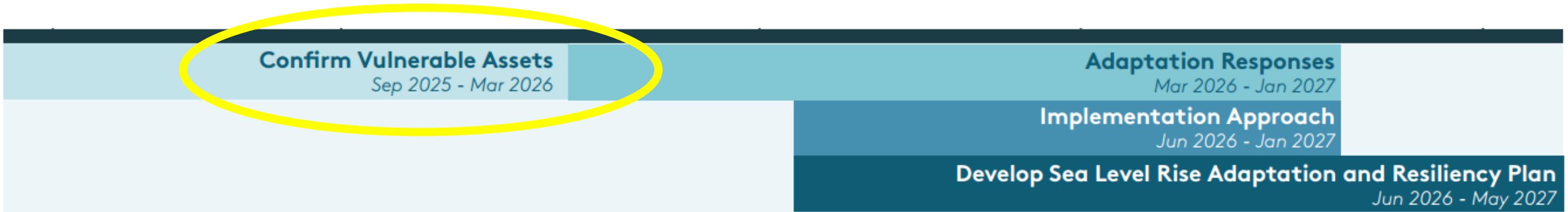
Contra Costa County

North
Richmond

City of
Richmond

Project Timeline

5

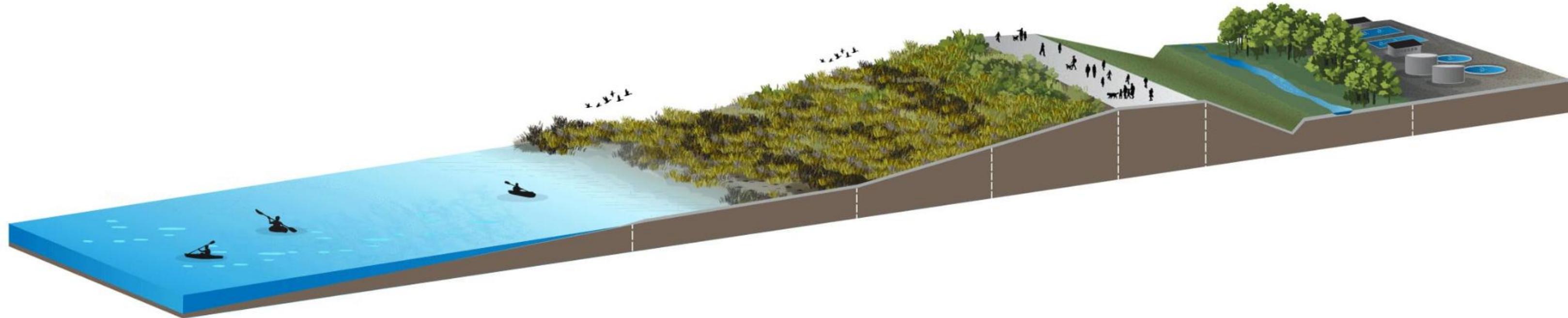


Plan → Funding for Design → Detailed Design → Permitting
→ Funding for Implementation → Building → Maintenance

An average to 10 years to achieve

An Opportunity for Development

6



The 'Plan' can include:

- Multi-benefits protection structures
- Changes in land use policy
- Transportation and utility system adaptation
- Site and building adaptation strategies
- Emergency response, flood management

Climate Change, Sea Level Rise, and Their Impact on Our Communities

Global Warming



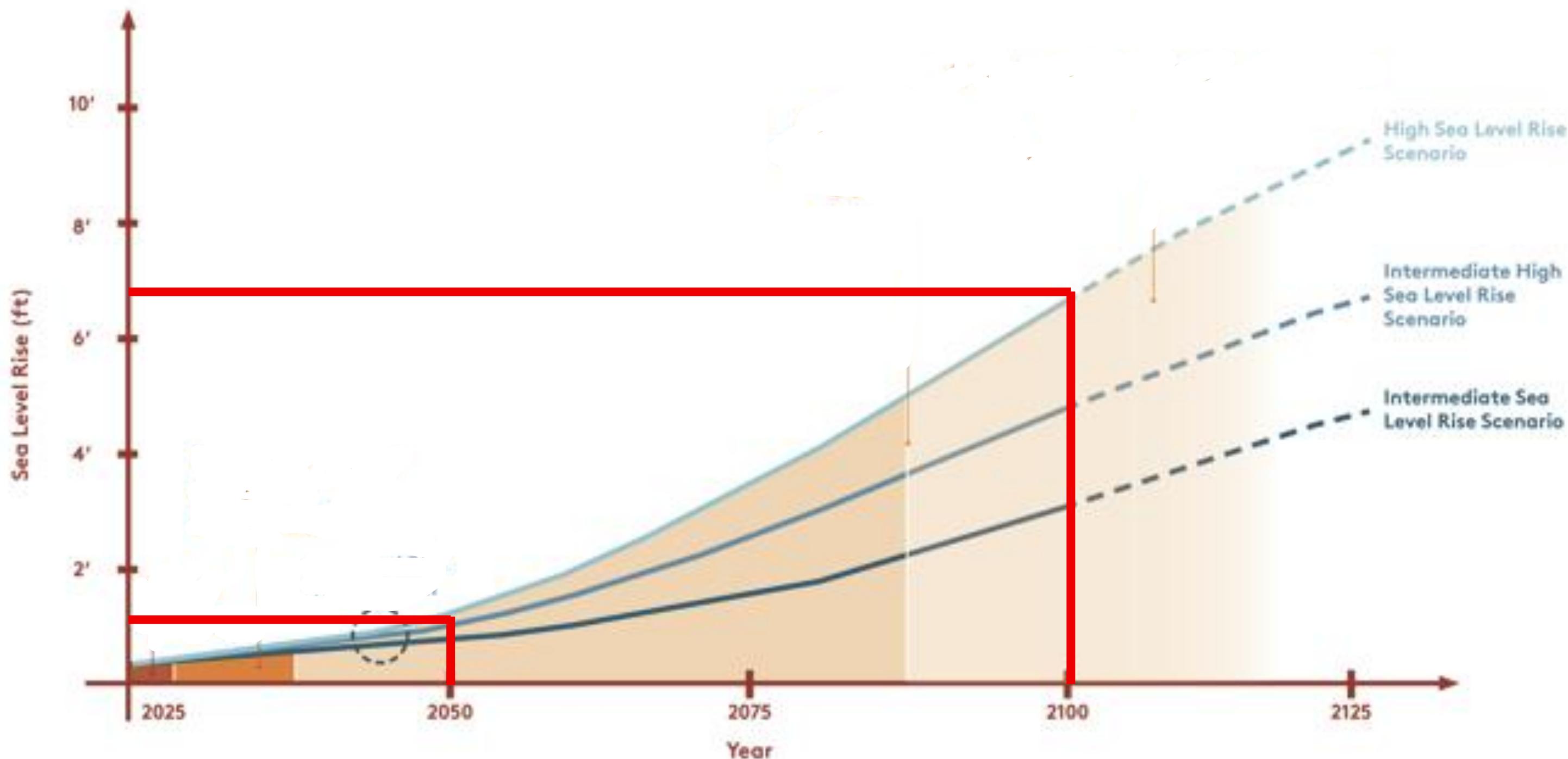
Since the Industrial Revolution (1850) **Earth has warmed in 2 degrees Fahrenheit** (1.2 degrees Celsius).

Most of the warming happened over the last 40 years.

The most recent decade was the hottest on record.

By how much is sea level rising here in the Bay Area?

9



Types of coastal flooding

Total Water Levels / Compound Flooding



→ Sea level rise will increase coastal flooding

How will sea level rise look like – for us?

King Tide, January 3, 2026 (+7 feet)

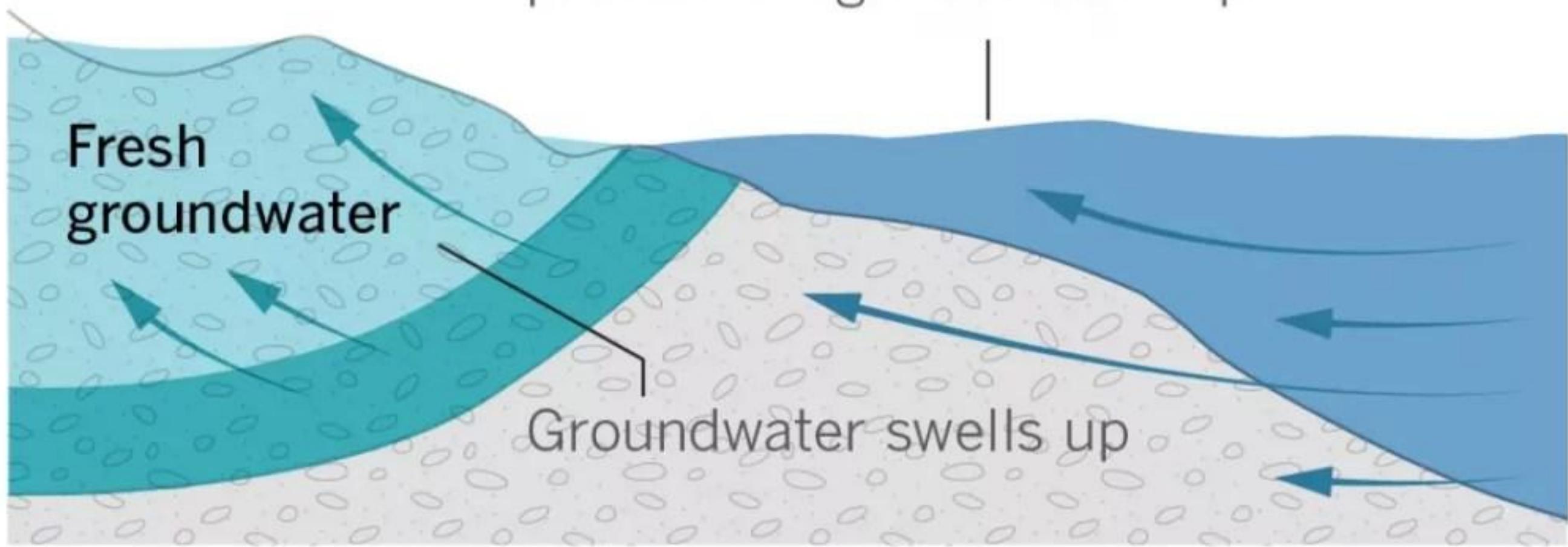


North Richmond
Albany Bulb

Richmond Marina



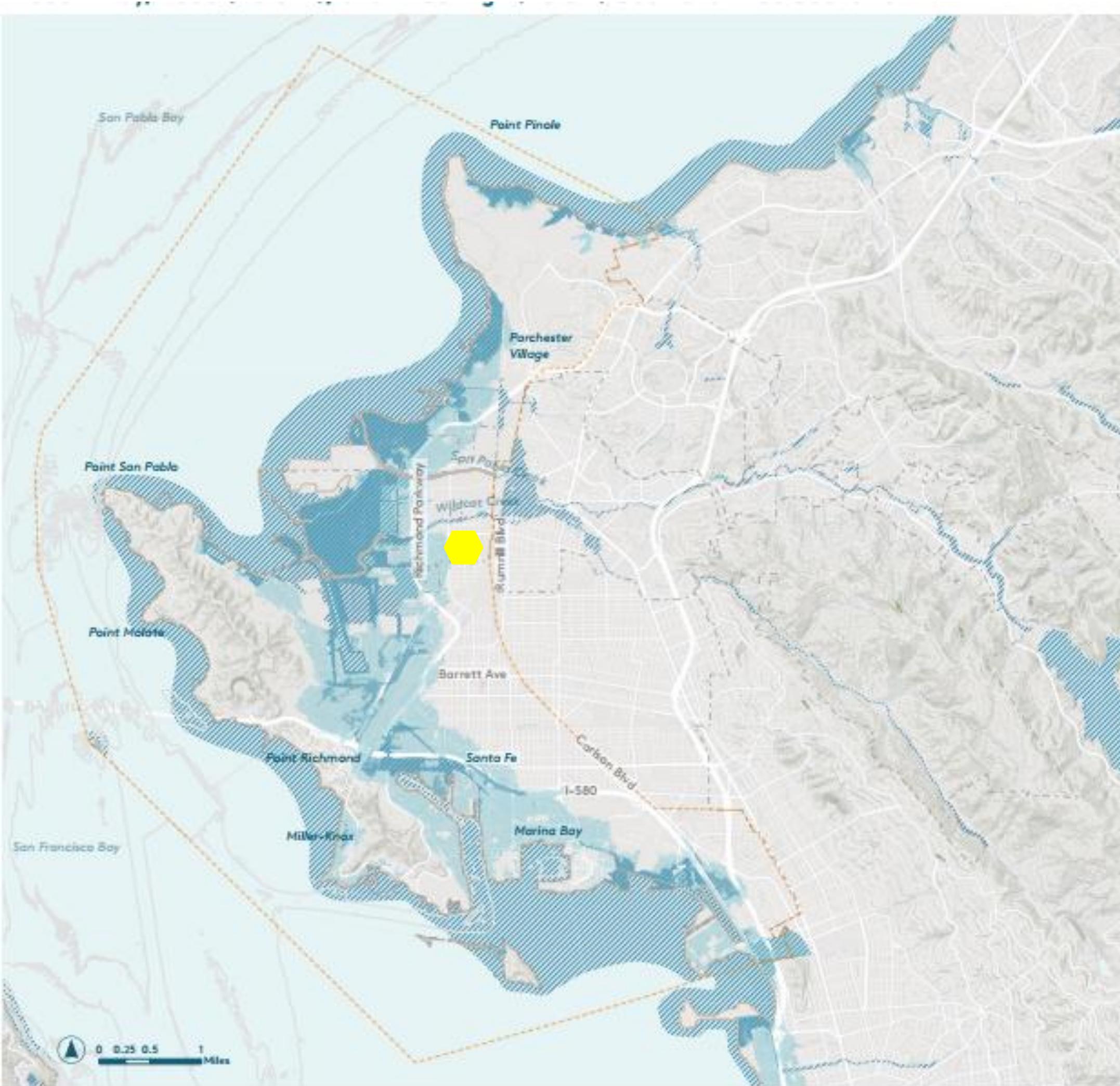
When the sea rises, it moves further inland and pushes the groundwater up



Impacts from rising groundwater

Basements and drainage systems could flood

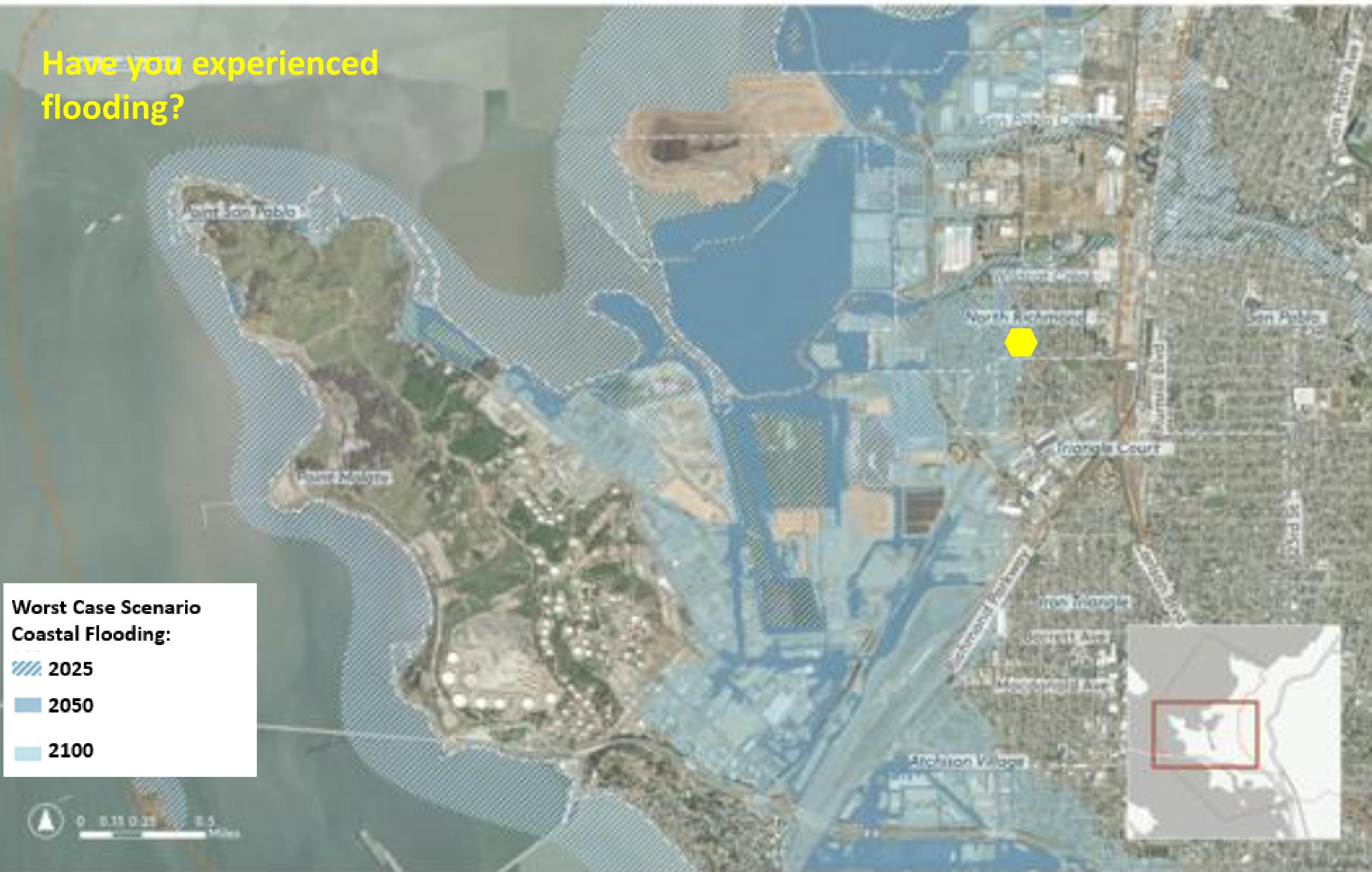
Roads and other structures weaken



Worst Case Scenario
Coastal Flooding (100-year storm):

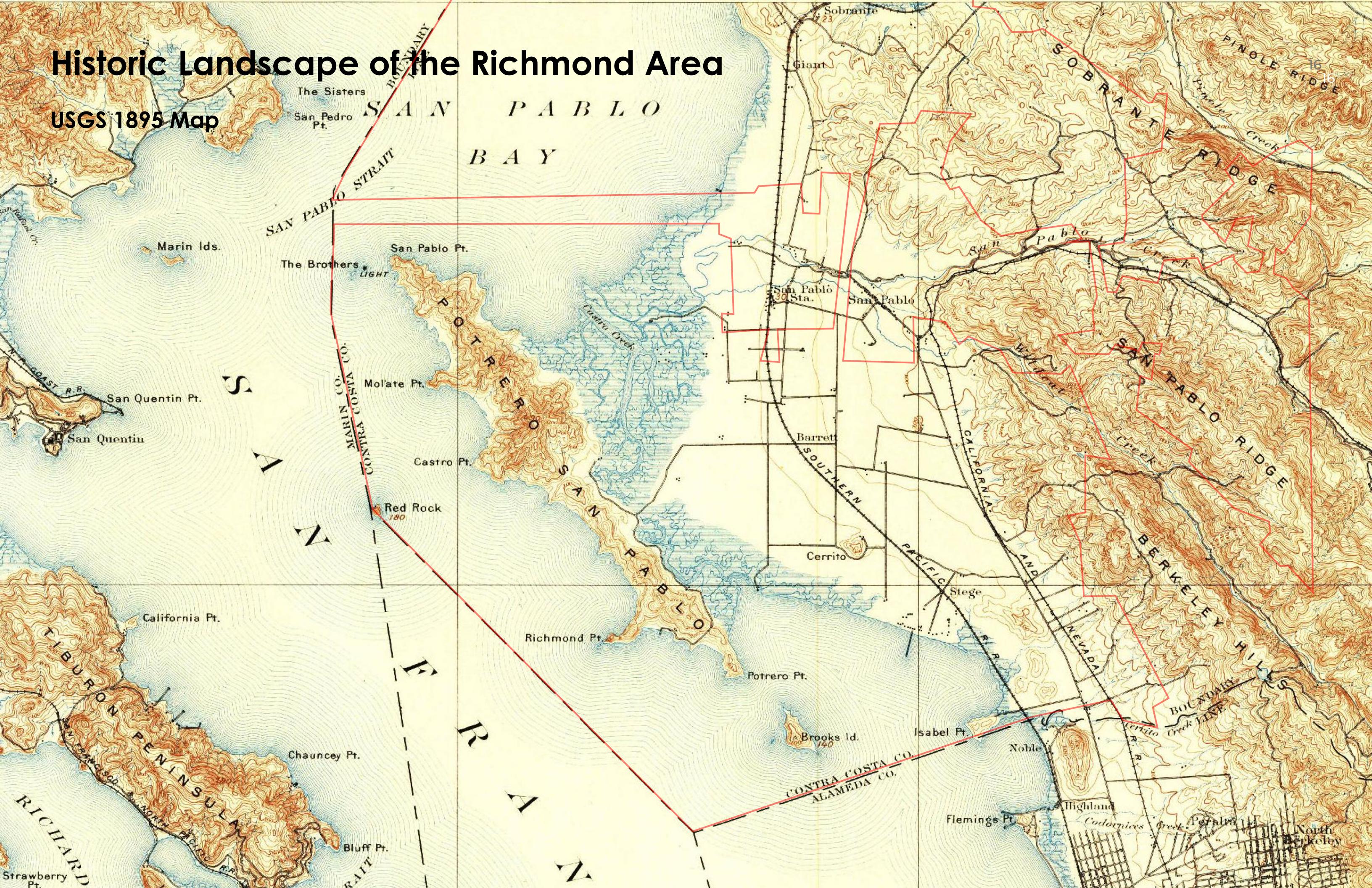
- 2025 (no sea level rise)**
- 2050 (0.8 feet sea level rise)**
- 2100 (6.6 feet sea level rise)**

Have you experienced flooding?

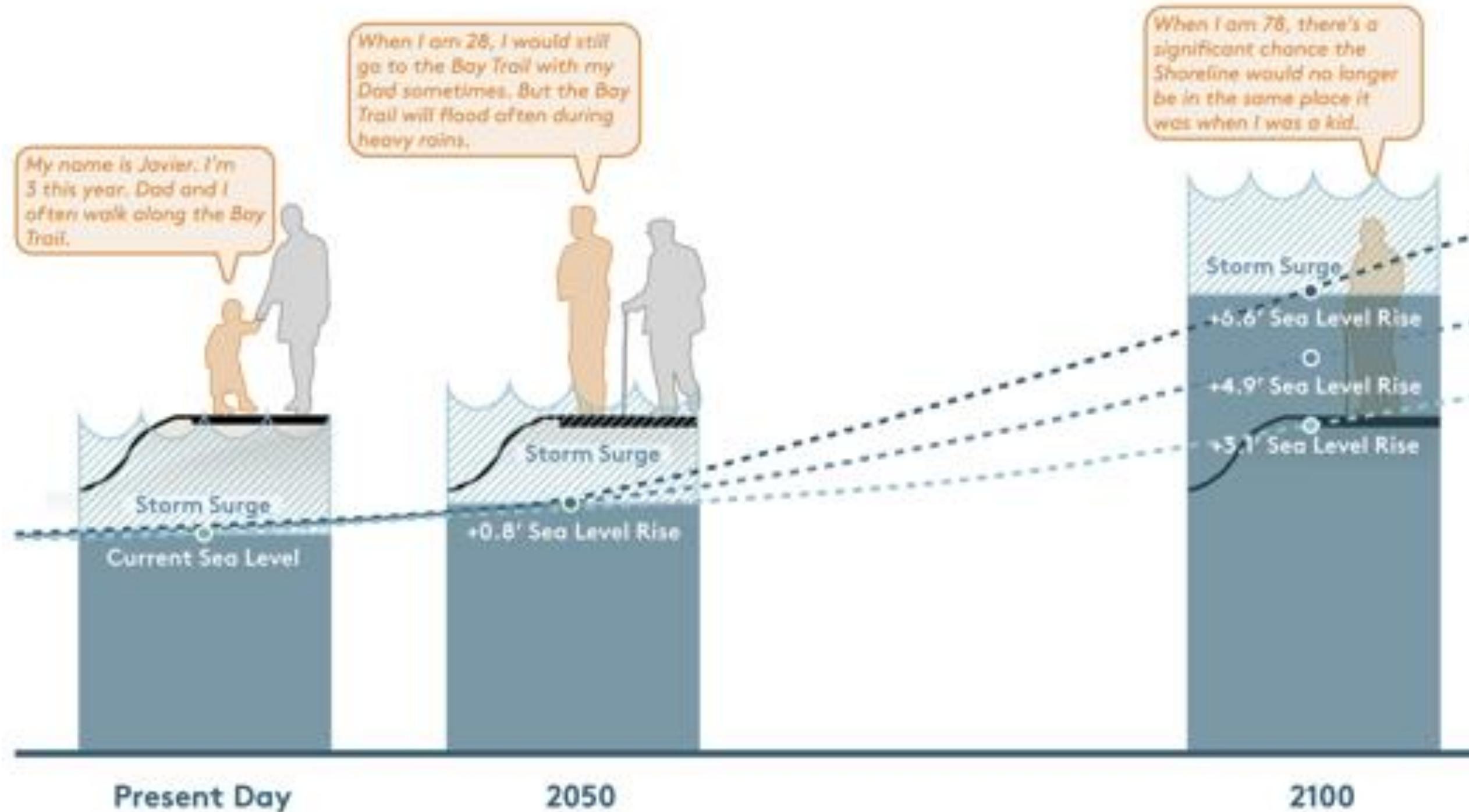


Historic Landscape of the Richmond Area

USGS 1895 Map



How will sea level rise look like – for us?



Vulnerable Assets and Priorities

As we look at the next slides, try to think:

What is most vulnerable to sea level rise in your community?

How will sea level rise impact your day-to-day life?

Environmental Justice Communities and Community Facilities

San Pablo Bay

Point Pinole

Point San Pablo

Yacht Harbor

Point Molate

Point Richmond

San Francisco Bay

Miller-Knox

Marina Bay

Point Isabel

0 0.25 0.5 1 Miles

Plan Area

Richmond City Limits

Present Day Flood Hazard**

Estimated 2050 Coastal Flood

Hazard (+0.8ft SLR)*

Estimated 2100 Coastal Flood

Hazard (+6.6ft SLR)*

Environmental Justice Communities

CalEnviroScreen Score Percentile
(Top 25%)

80 - 100

Community Facilities

School

Library

Police

Fire Station

Community Center

School

Library

Police

Fire Station

Healthcare Facilities

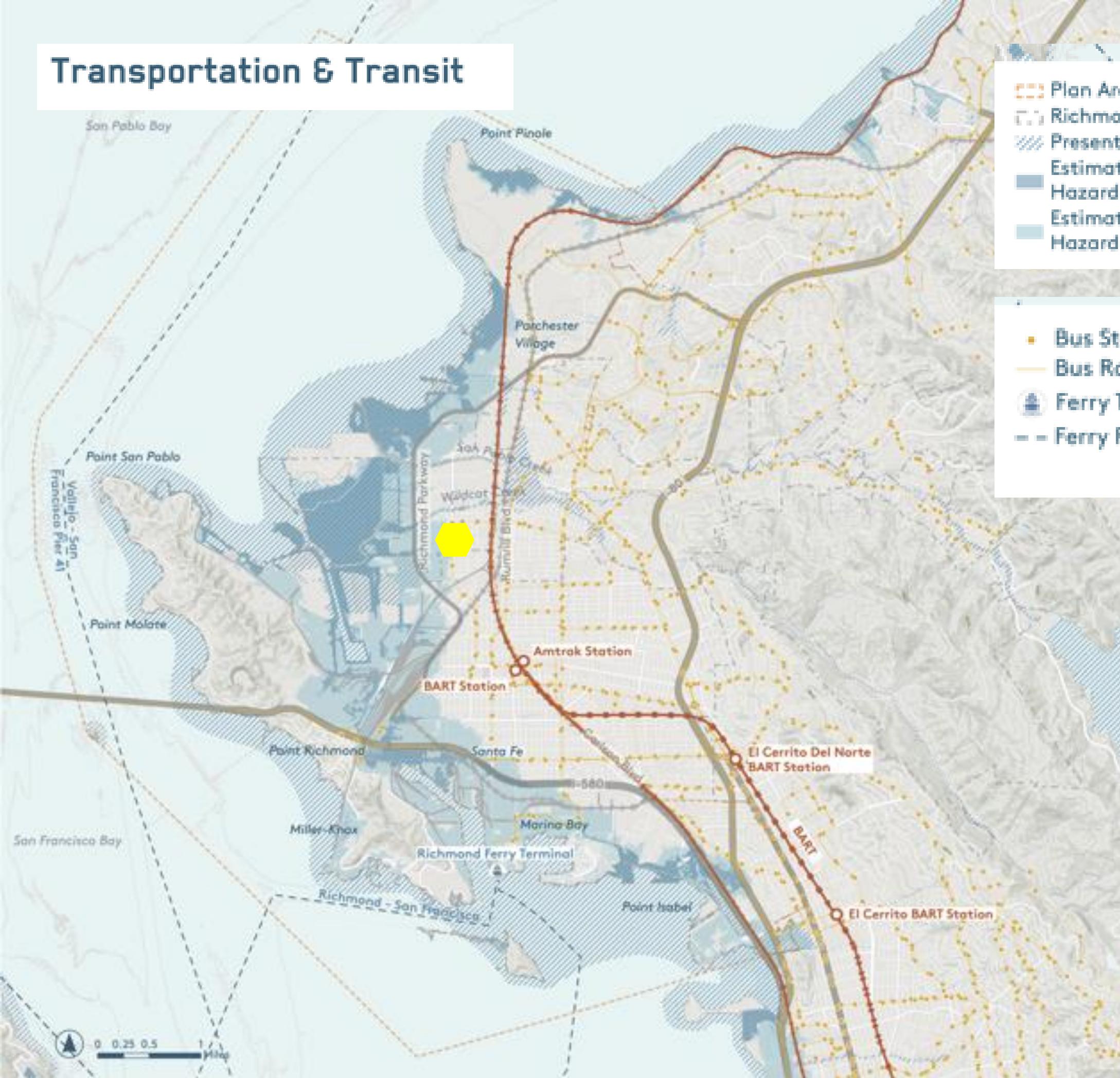
Are there major concerns about community services?

Are there any community services missing from the map?

Will flooding impact your income, housing security, and wellbeing?

The CalEnviroScreen 4.0 uses 21 different indicators to measure the environmental pollution, health burdens, and social stressors that communities across the state face. The overall score measures the accumulation of greater burdens through a relative scoring approach. The tool combines the indicators to determine the level of cumulative impacts on a particular community - represented as census tracts.

Transportation & Transit



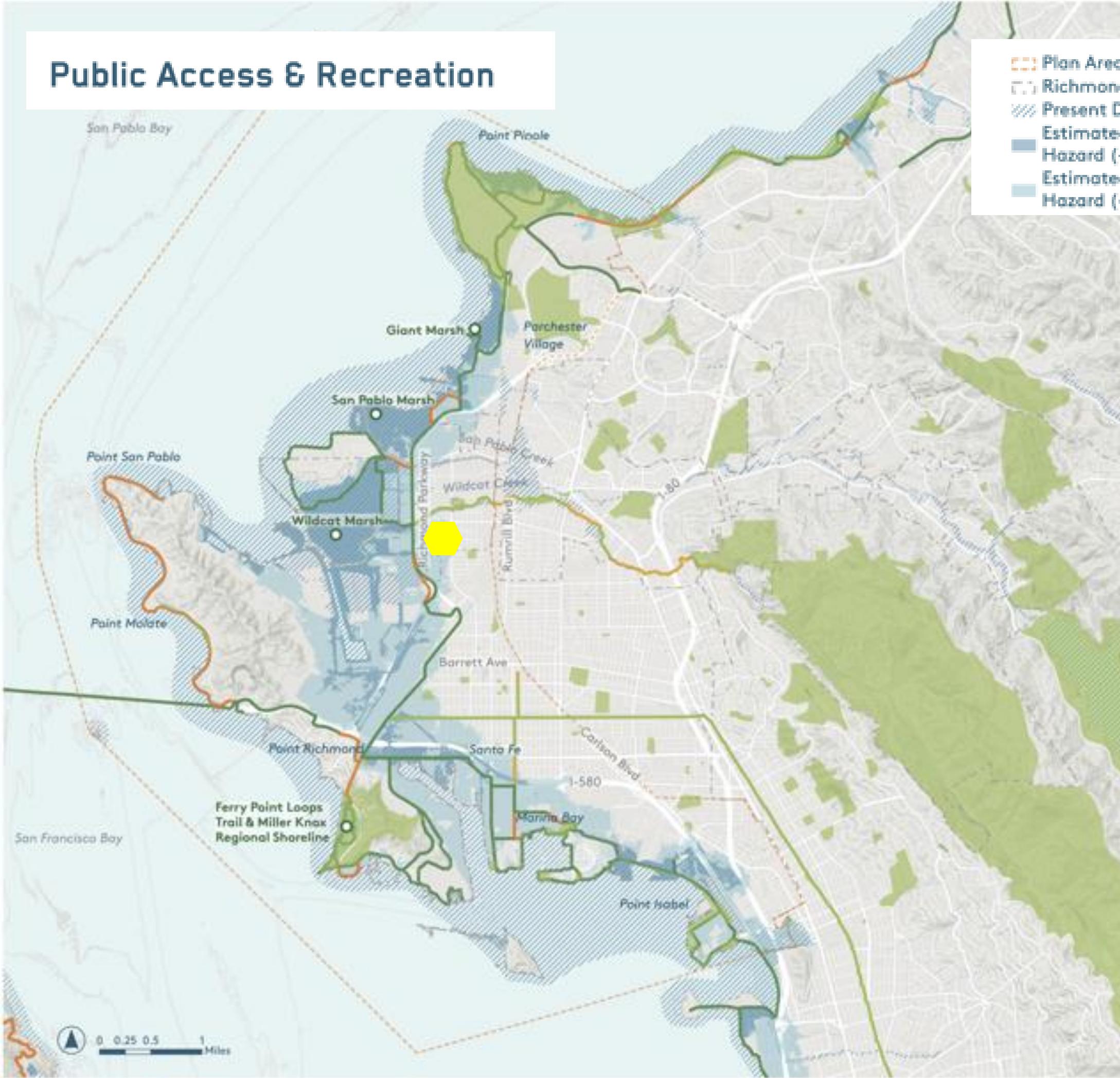
Transportation and Transit

- Highways and Parkway
- Passenger Rail
- Freight Rail

How do you travel to work, school, shopping, health care, or any other service?

What transportation route should be protected first?

Public Access & Recreation



Public Access and Recreation

- City Parks
- Existing San Francisco Bay Trail
- Proposed San Francisco Bay Trail
- Other Existing Trails
- Other Proposed Trails

How do you use the shoreline?

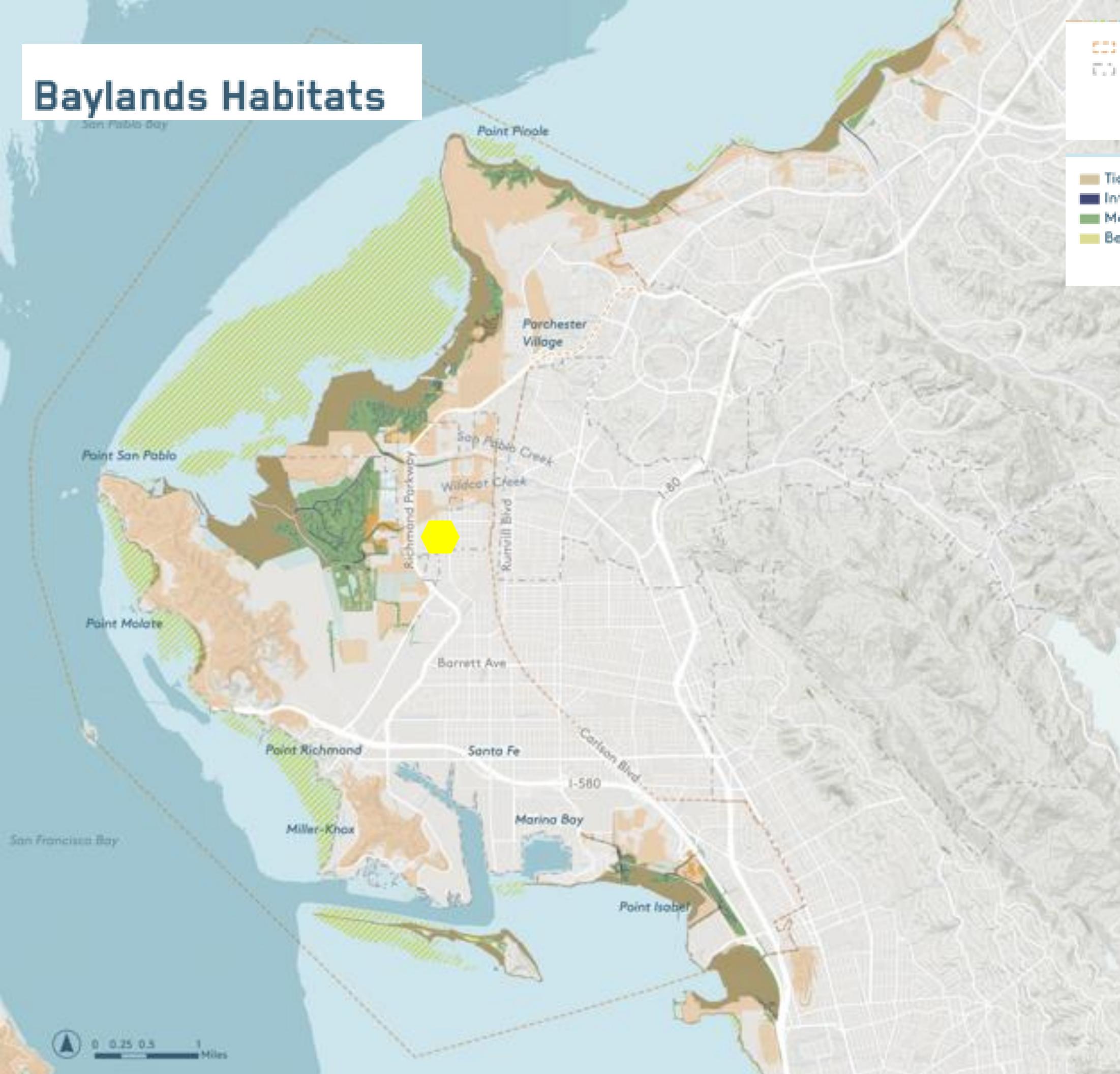
What do you like about it the most?

How do you get to the shoreline?

Will sea level rise limit your access to the shoreline?

Have you observed erosion of the shoreline?

Baylands Habitats



Plan Area

Richmond City Limits

Existing Baylands Habitats

Deep Subtidal

Shallow Subtidal

Tidal Flat

Tidal Pond/Panne

Intertidal Channel

Marsh

Beach

Dune

Other Open Water

Eelgrass

Estuarine-Upland Transition Zone

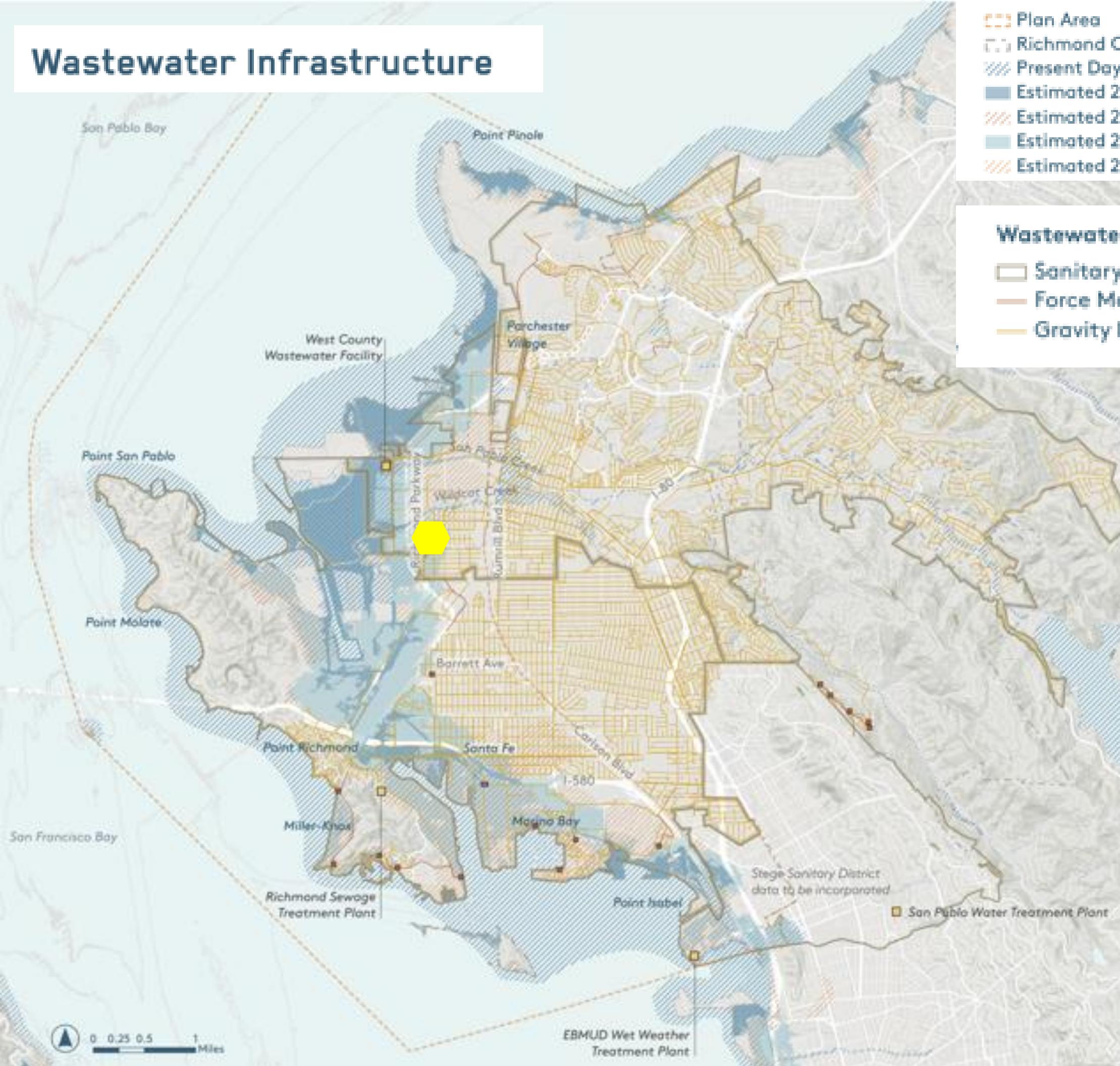
Adjacent Uplands

Are there any natural environments that are important to you?

What are some services these environments create for us?

Should these ecosystem be restored?

Wastewater Infrastructure



Plan Area

Richmond City Limits

Present Day Flood Hazard**

Estimated 2050 Coastal Flood Hazard (+0.8ft SLR)*

Estimated 2050 Coastal Shallow Groundwater Hazard (+0.8ft SLR)*

Estimated 2100 Coastal Flood Hazard (+6.6ft SLR)*

Estimated 2100 Coastal Shallow Groundwater Hazard (+6.6ft SLR)*

Treatment Plant

Pump Station

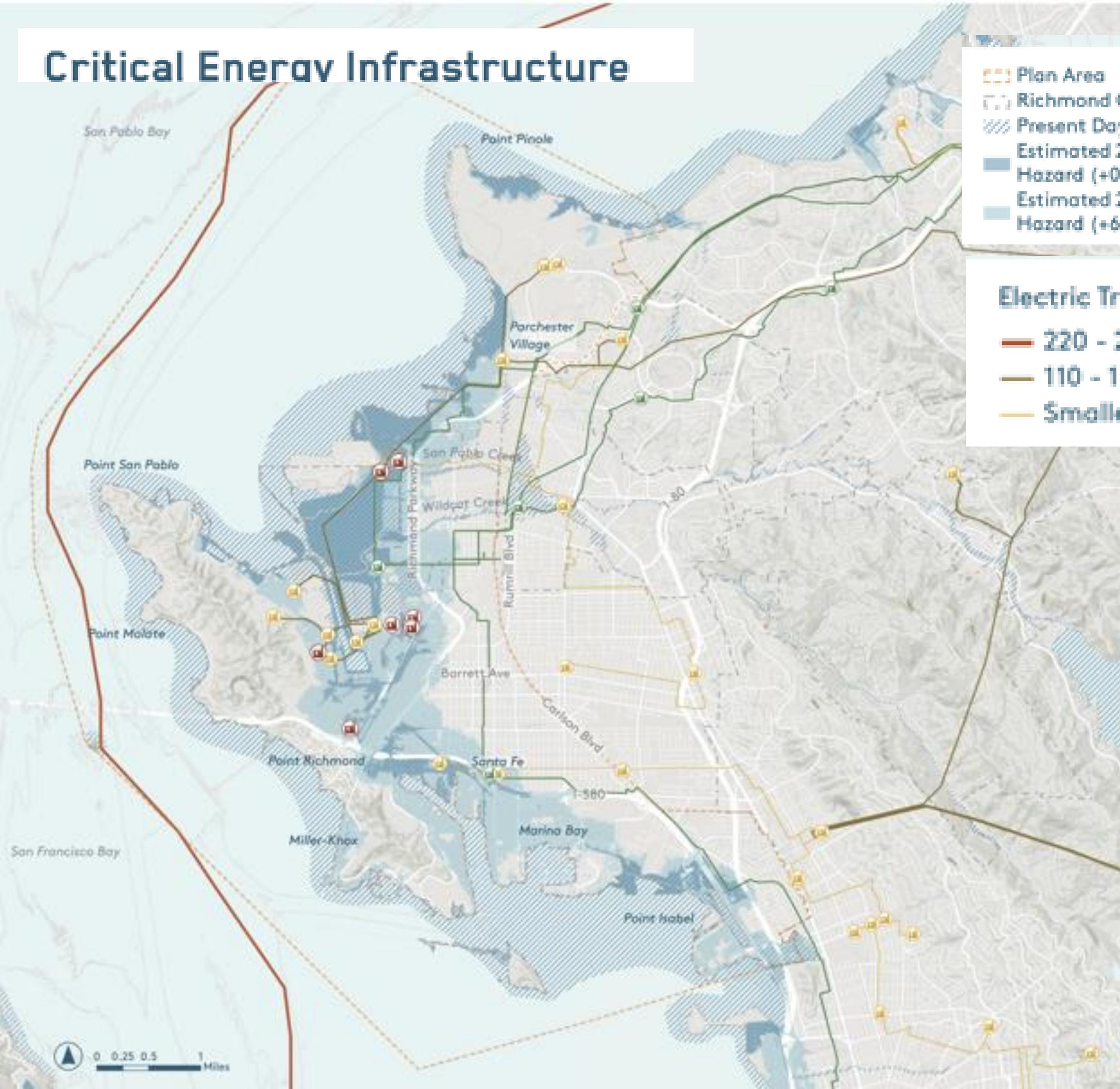
Weir

How will sea level rise impact your essential services?

What assets or services are most important to you?

What should the City protect first?

Critical Energy Infrastructure



Critical Energy Infrastructure

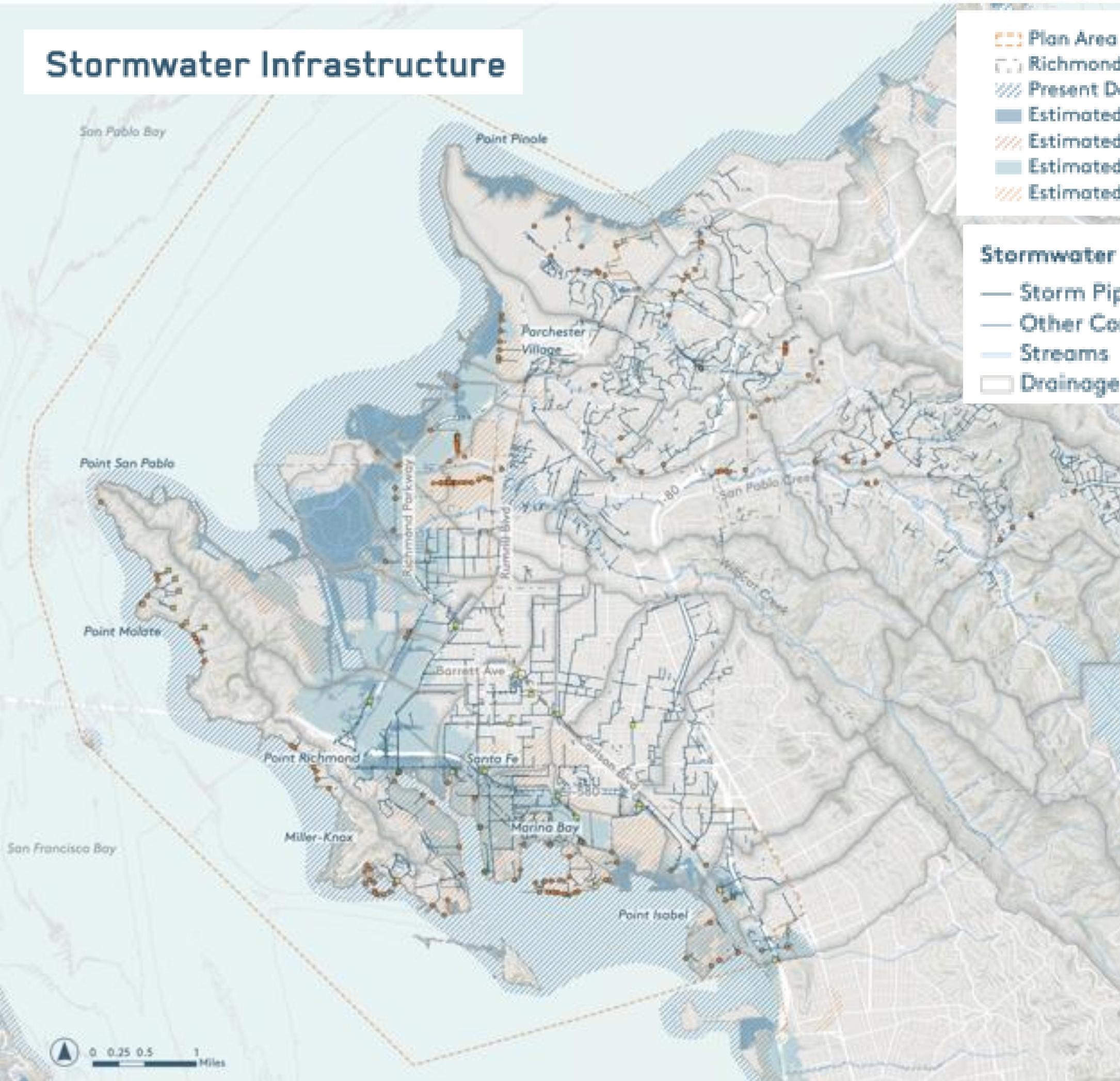
- Power Plants
- Substations
- Natural Gas Stations
- Natural Gas Pipeline

How will sea level rise impact your essential services?

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Stormwater Infrastructure



Plan Area

Richmond City Limits

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Stormwater

Storm Pipeline

Other Conveyance

Streams

Drainage Area

Outfall

Storm Pump Station

Flap Gate

Duck Gate

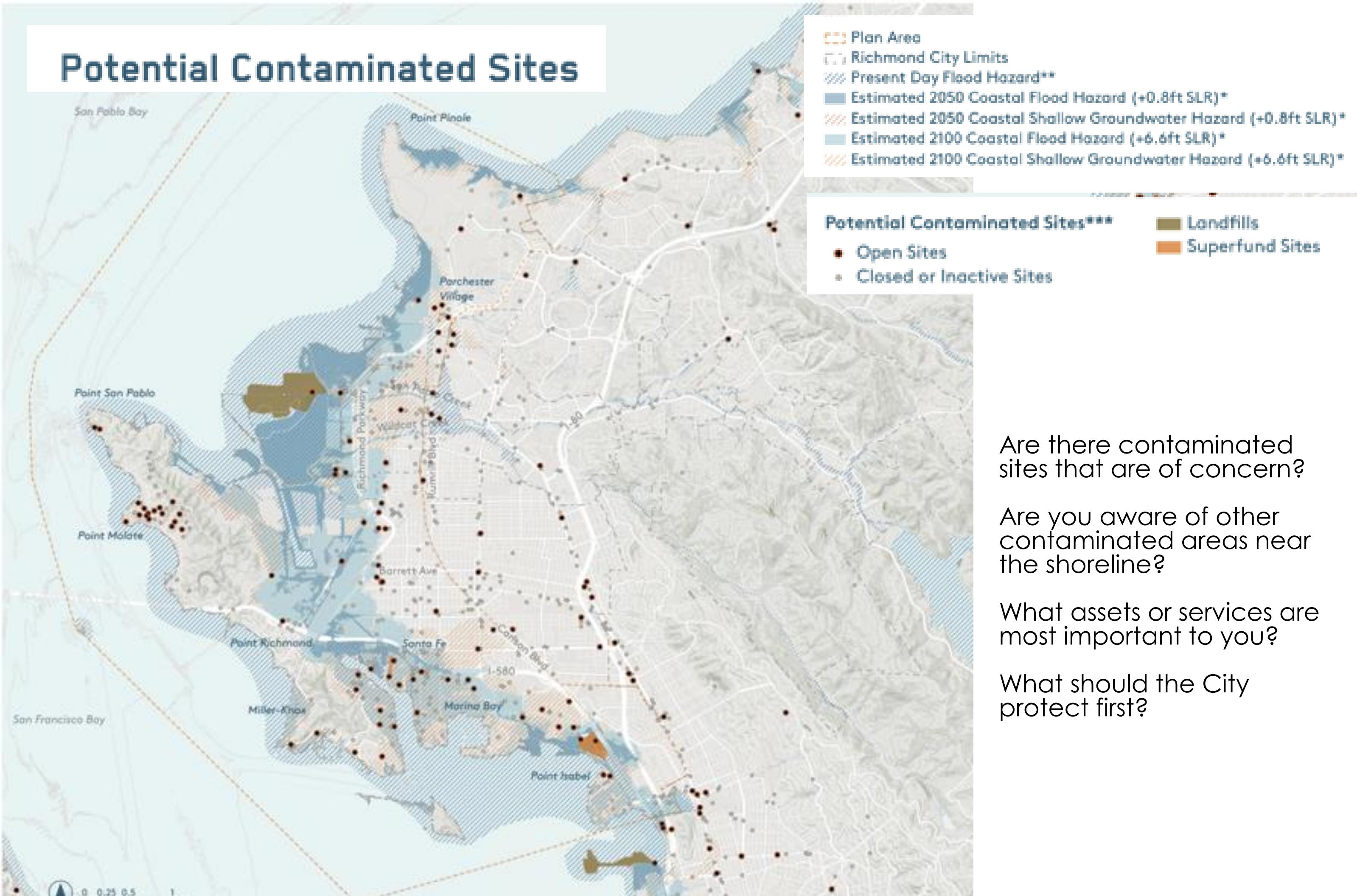
Sluice Gate

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Potential Contaminated Sites



Plan Area

Richmond City Limits

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Potential Contaminated Sites***

Open Sites

Closed or Inactive Sites

Landfills

Superfund Sites

Are there contaminated sites that are of concern?

Are you aware of other contaminated areas near the shoreline?

What assets or services are most important to you?

What should the City protect first?

Moving Forward – Solutions to Sea Level Rise

Topic Areas the Plan will be Working on:

- Community health and wellbeing
- Ecosystem health and resilience
- Development, housing, and land use
- Critical infrastructure and services
- Flood management
- Public Access and recreation
- Transportation and transit
- Shoreline contamination
- Collaborative governance and funding



Thank you for being part of the plan

30



City of Richmond Sea Level Rise Adaptation and Resiliency Plan

MITHŪN

the
watershed
project

ESA

KLEINFELDER
Bright People. Right Solutions.

ERG

City of
Richmond