

Richmond Sea Level Rise Adaptation and Resilience Plan

Marina Bay Neighborhood Council

May 6, 2026



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



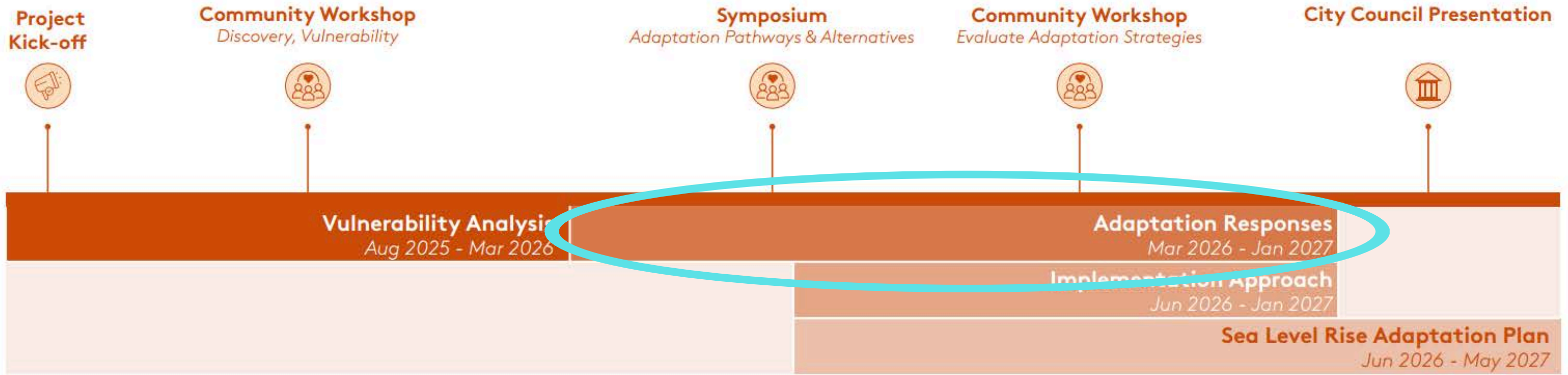
Project Partners



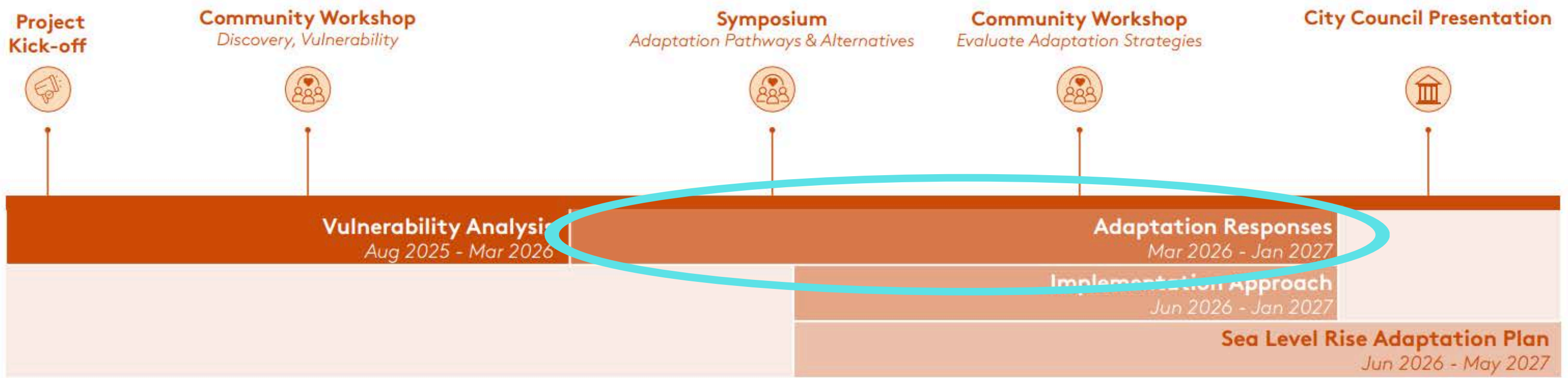
City of Richmond Sea Level Rise Adaptation and Resiliency Plan



Project Timeline



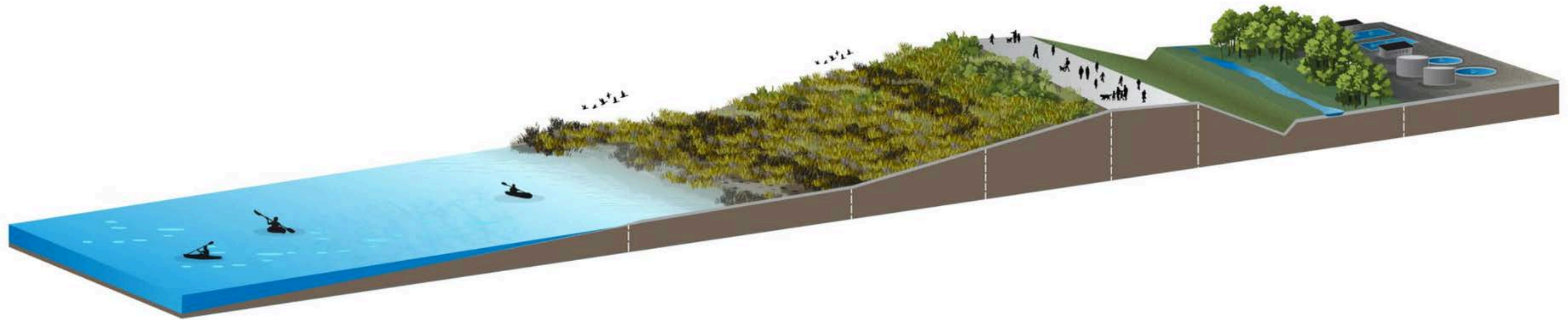
Project Timeline



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

The Time to Start is NOW

An Opportunity for Development



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

Climate Change means the Earth is Warming



Since the Industrial Revolution (1850) **Earth has warmed 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

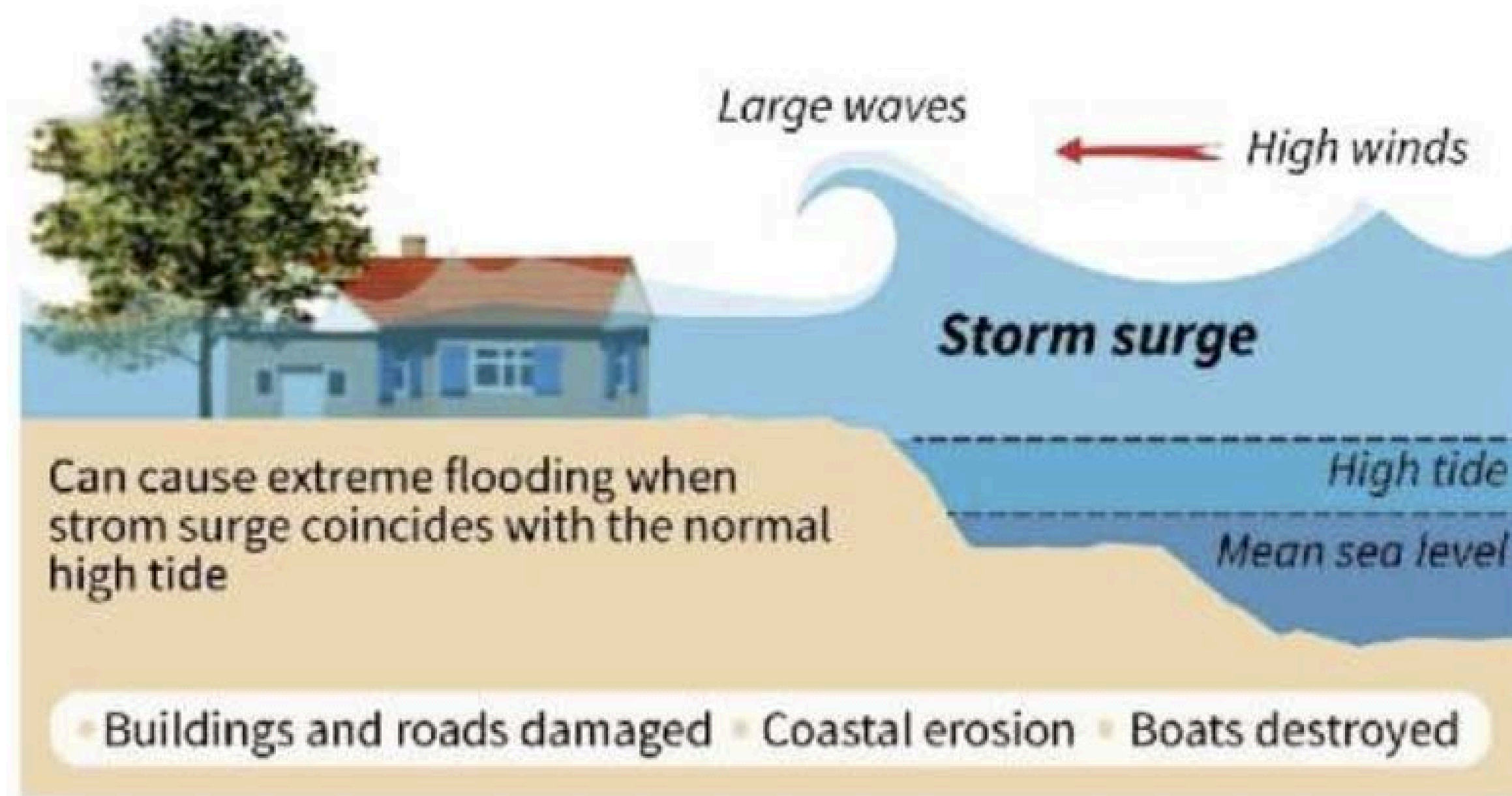
Why are the oceans rising?



- Melting of Ice Sheets and Icebergs
- Thermal expansion

Types of coastal flooding

Total Water Levels / Compound Flooding



□ Sea level rise will increase coastal flooding

Sea Level Rise will make existing flooding conditions worse

Possible impacts:

- Loss of habitats
- Weakening of structures
- Flooding of shoreline amenities – houses, roads, factories, utilities
- Sewage and stormwater backup
- Inland flooding from groundwater rise
- Mobilization of contaminants in soils



King Tide, January 3, 2026 (+7 feet) vs. Average Tide, February 1, 2026



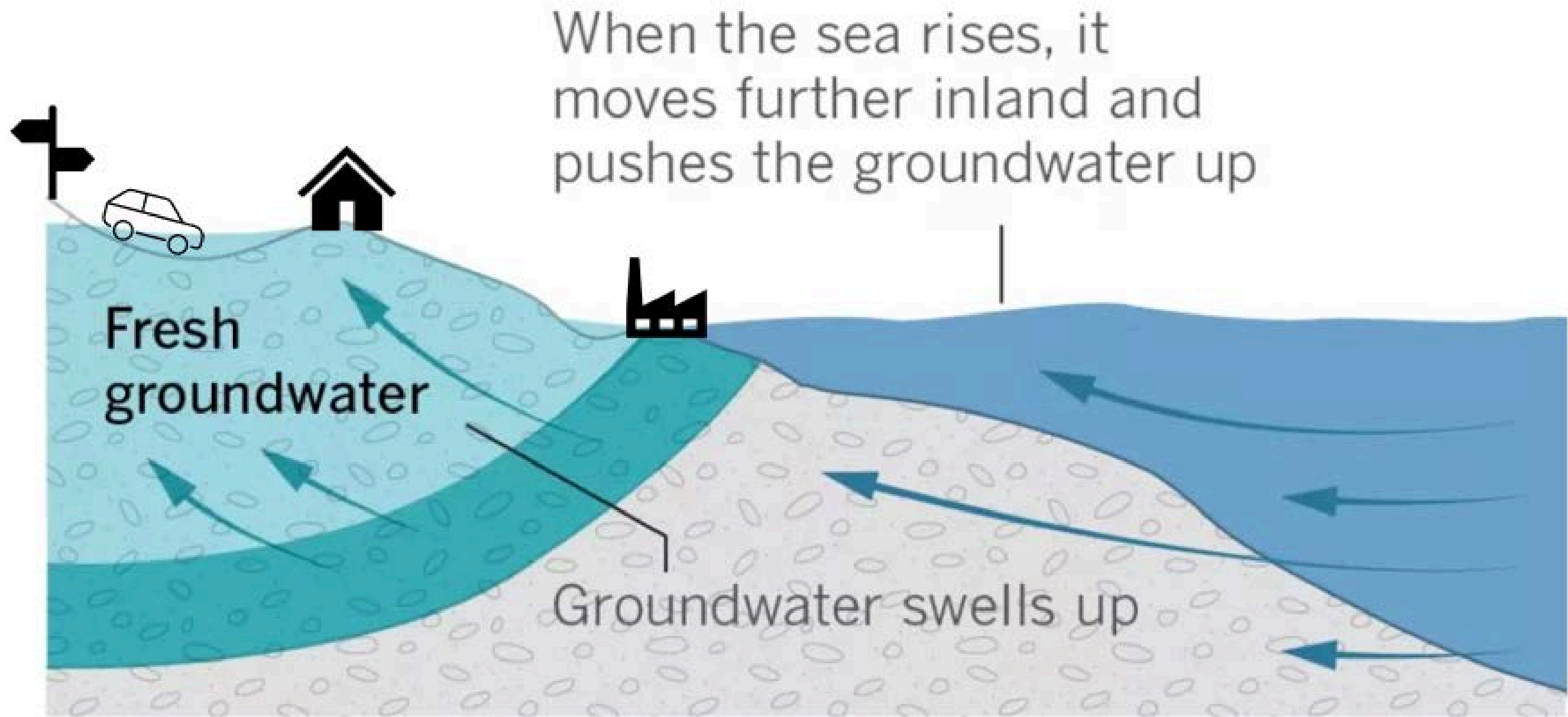
How will sea level rise look like – for us?

**Low vs. High Tide,
Richmond Marina**

**King Tide, January
3, 2026 (+7 feet) vs.
Average Tide,
February 1, 2026**



Sea Level Rise will cause Groundwater to Rise



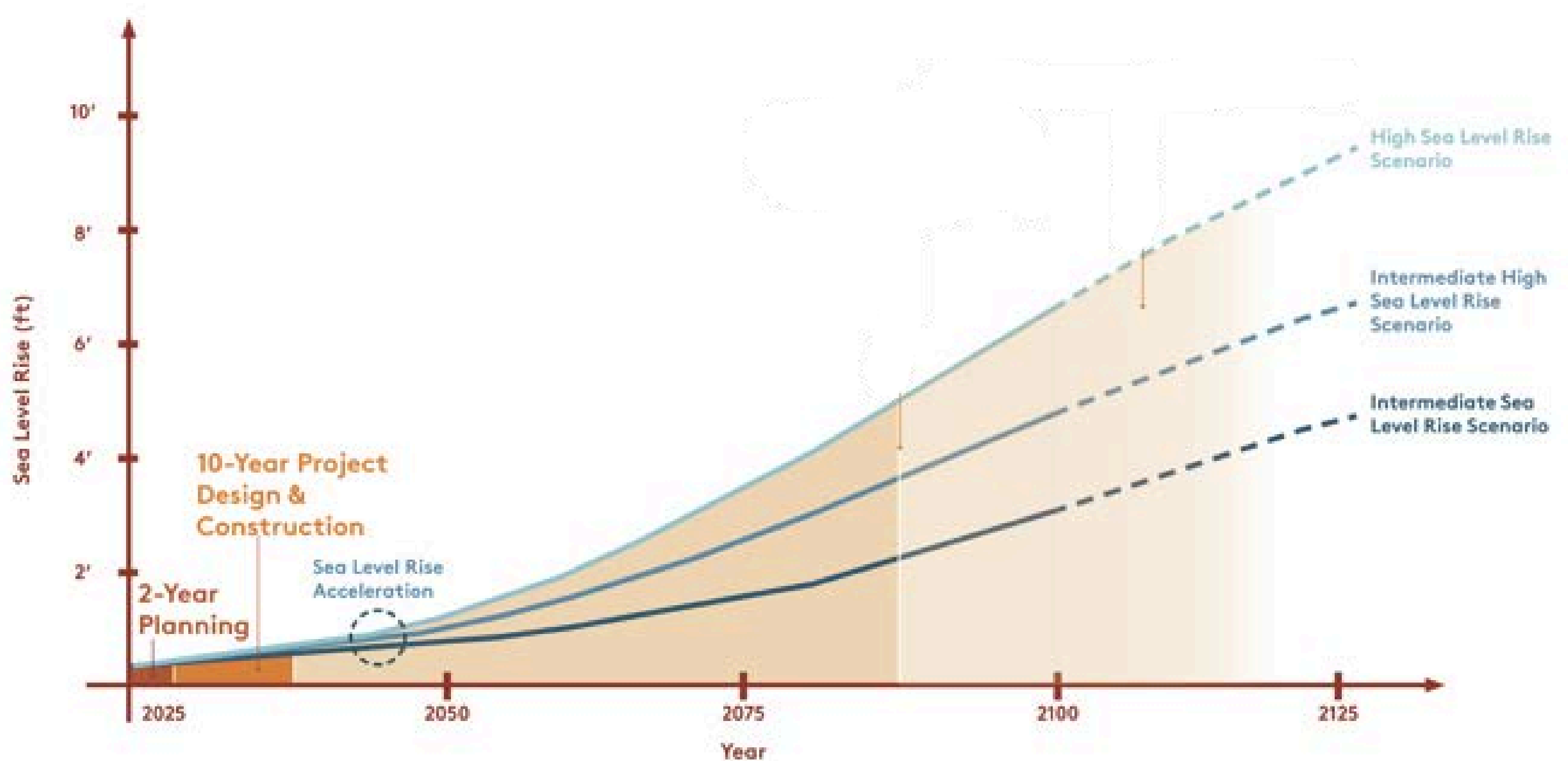
Impacts from rising groundwater

Basements and drainage systems could flood

Roads and other structures weaken

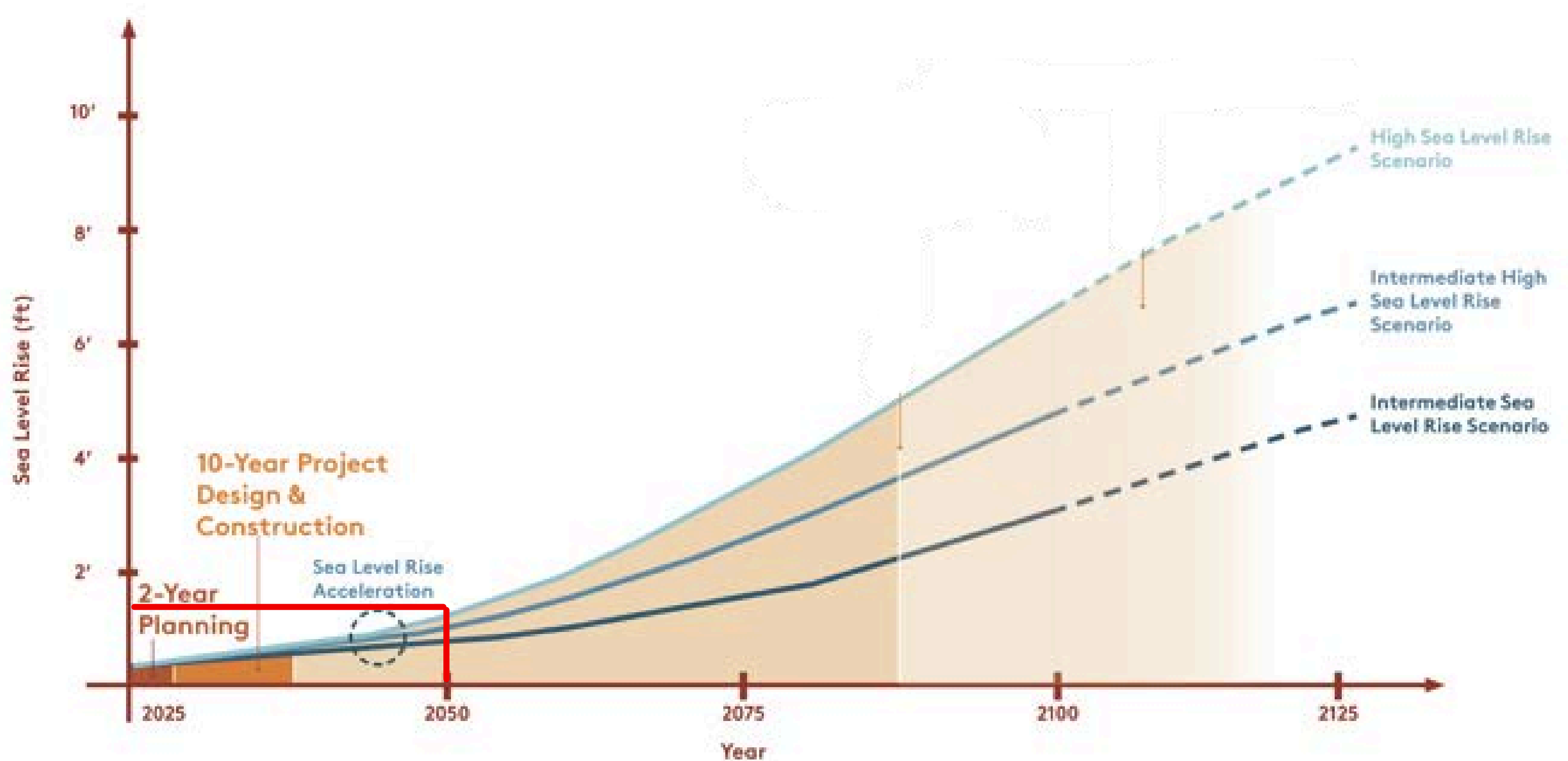
By how much is sea level rising here in the Bay Area?

the watershed project



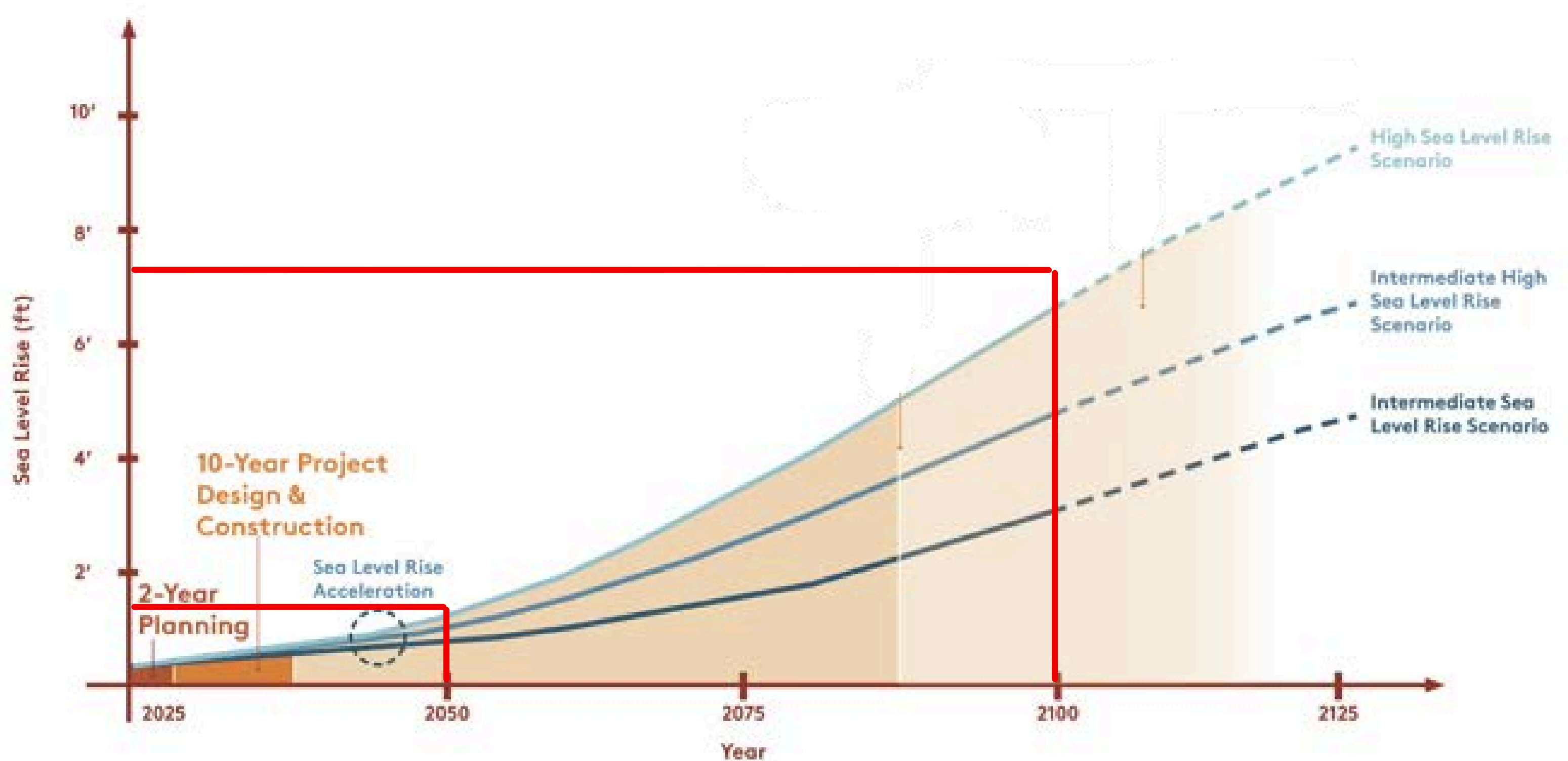
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By how much is sea level rising here in the Bay Area?

the watershed project



Richmond's Vulnerability to Sea Level Rise and Groundwater Rise

Vulnerabilities to Sea Level Rise and Groundwater Rise

Progressing inward and over time

- Loss of wetlands
- Groundwater rise mobilizes underground contamination
- Flooding of bay trail and waterfront parks
- Clogging drainage outfalls, reducing stormwater discharge effectiveness
- Sewer backup
- Tidal and storm flooding near homes, roads, businesses, industries
- Groundwater emergence in further inland areas



Marsh or Wetland Habitats



01 Dotson Family Marsh



02 San Pablo Creek



03 Wildcat Marsh and Landfill



04 Point Isabel

Parks, Recreation, Upland Habitats



05 Point Pinole



06 Bay Trail near Marina Bay

Residential Neighborhoods



07 Homes at The Brickyard Marina



08 Homes at Point Richmond (top)



09 Inner Harbor Basin and Marina Bay (bottom)

Utility and Services



10 West County Wastewater Facility



11 Richmond Bridge

Industry and Employment



12 Chevron Refinery



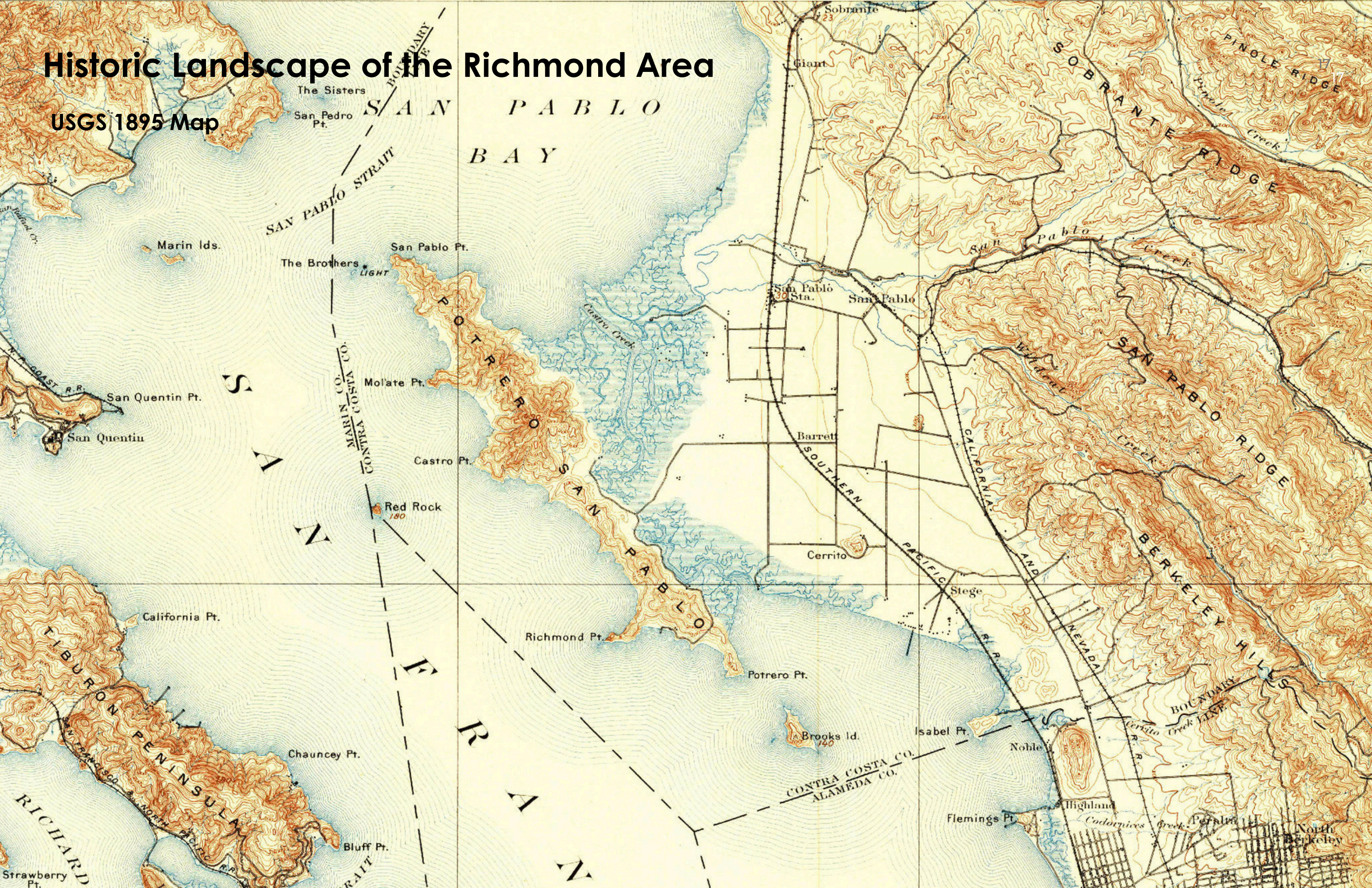
13 Ferry Terminal and The Craneway Pavilion (top)

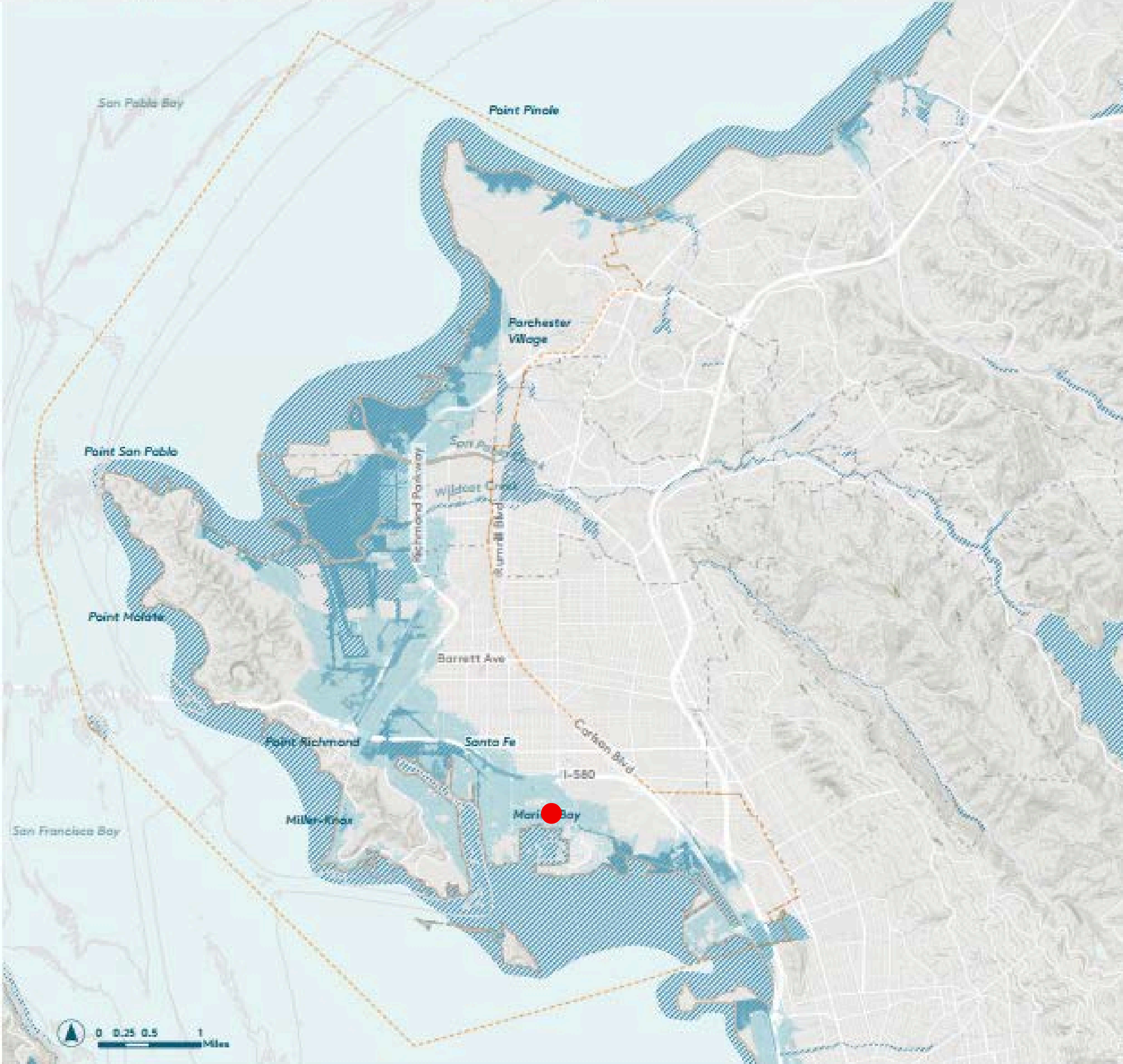


14 Port of Richmond (bottom)

Historic Landscape of the Richmond Area

USGS 1895 Map

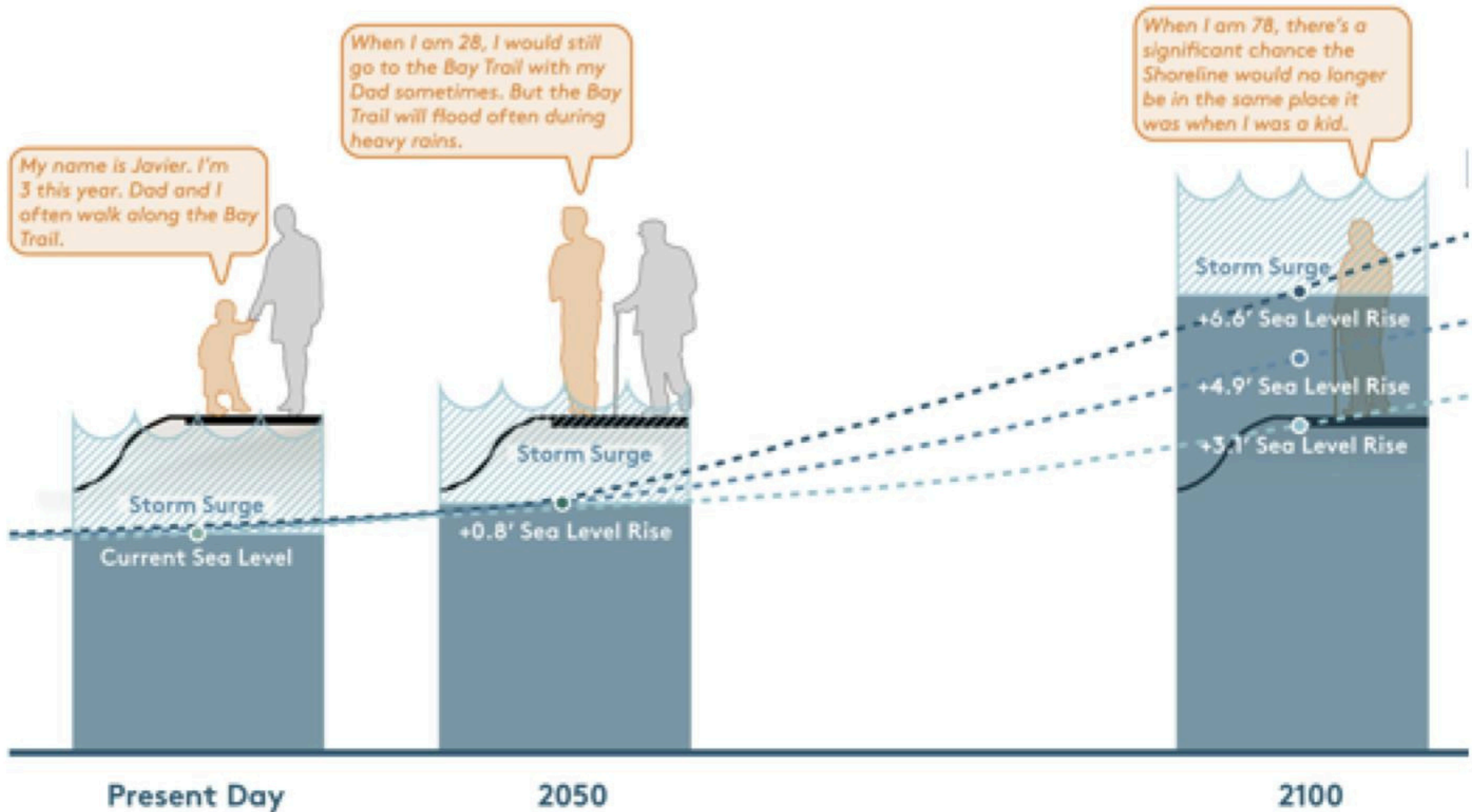




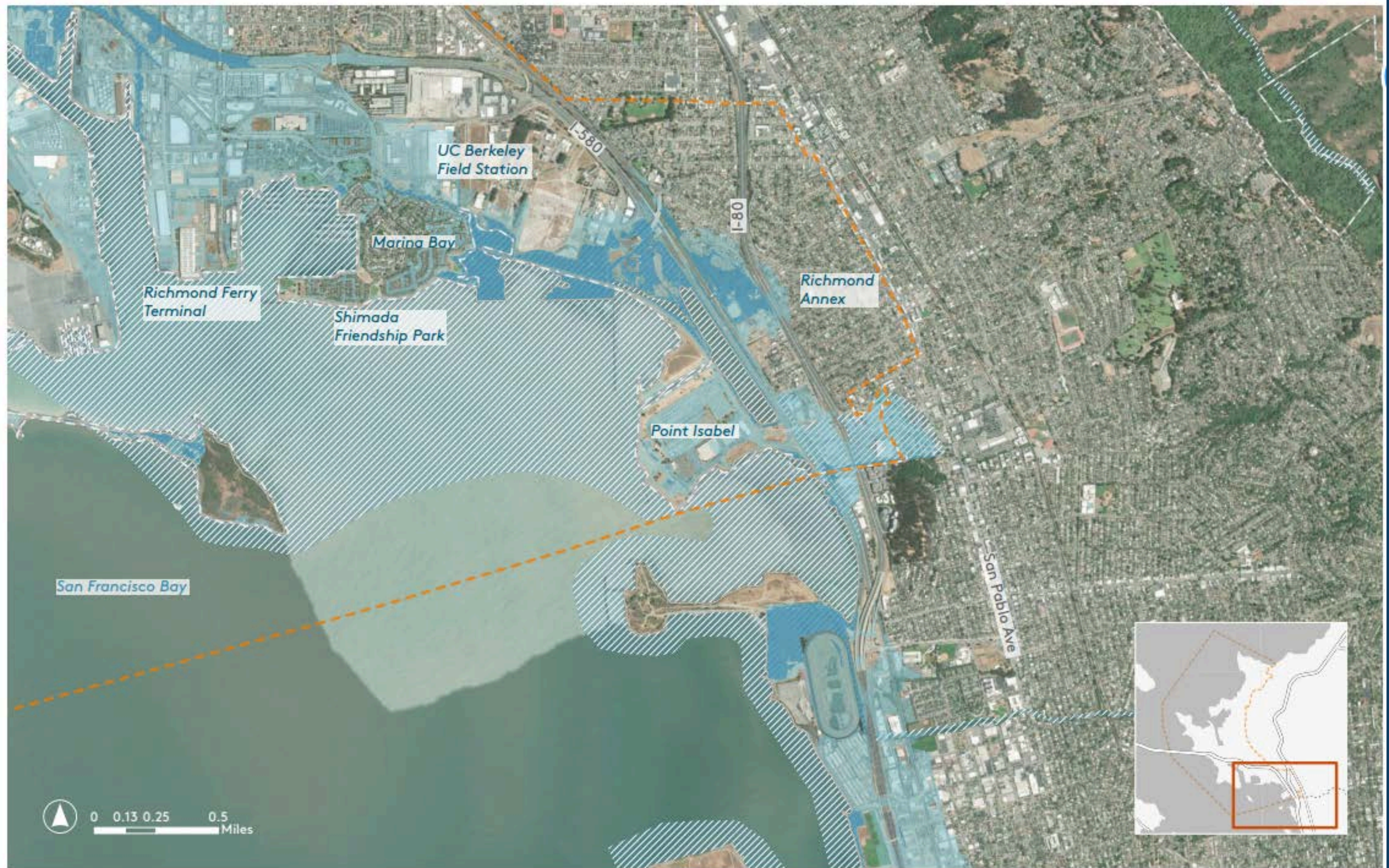
Coastal Flooding (100-year storm):

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

How will sea level rise look like – for us?



Vulnerable Assets and Priorities



-  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)*

As you look at the maps of projected scenarios, try to think:

- What is most vulnerable to sea level rise in your community?
- What would you like to see happening on the shoreline in the future?
- What additional information do you need to better understand the situation?

Have your voice on the plan heard

Take the survey for a chance to win 1 of 5 \$50 gift cards to local businesses



For questions, comments, requests, or to be added to our email list,
please email: kaylee@thewatershedproject.org