

OAAC Adapt Oakland Alameda Adaptation Projects

Oakland-Alameda Estuary Community Engagement Workshop

December 5th, 2024



Agenda Oakland-Alameda Estuary

- 01** **Welcome! Oakland Alameda Adaptation Projects Introduction**
Lauren Bergenholtz, CMG Landscape Architecture; Keta Price, The Hood Planner; Danielle Mieler, City of Alameda
- 02** **Regional Overview, Climate Science & Adaptation Planning**
Dr. Kris May, Pathways Climate Institute
- 03** **Q&A – Add your questions to the chat at any time!**
Dr. Kris May, Pathways Climate Institute; Lauren Bergenholtz, CMG
- 04** **Site Analysis**
Jamie Phillips, CMG Landscape Architecture
- 05** **Development of Adaptation Alternatives & Design Concepts**
Jamie Phillips, CMG Landscape Architecture
- 06** **Q&A – Add your questions to the chat at any time!**
Jamie Phillips, CMG Landscape Architecture; Lauren Bergenholtz, CMG
- 07** **Next Steps & Survey**
Lauren Eisele, CASA



OAAC Adapt: Project Partners

Agency Partners



Community Partners



Consultants



Oakland-Alameda Estuary Workshop Purpose

- Share information on what **sea level rise means for the Oakland and Alameda sub-region**
- Tools we can use make our **communities more resilient and transformative**
- Share development of **design concepts for near-term adaptation** of the Oakland-Alameda Estuary
- Answer your **questions** and get your feedback on your **concerns and aspirations for your community**



OAAC Adapt Overview





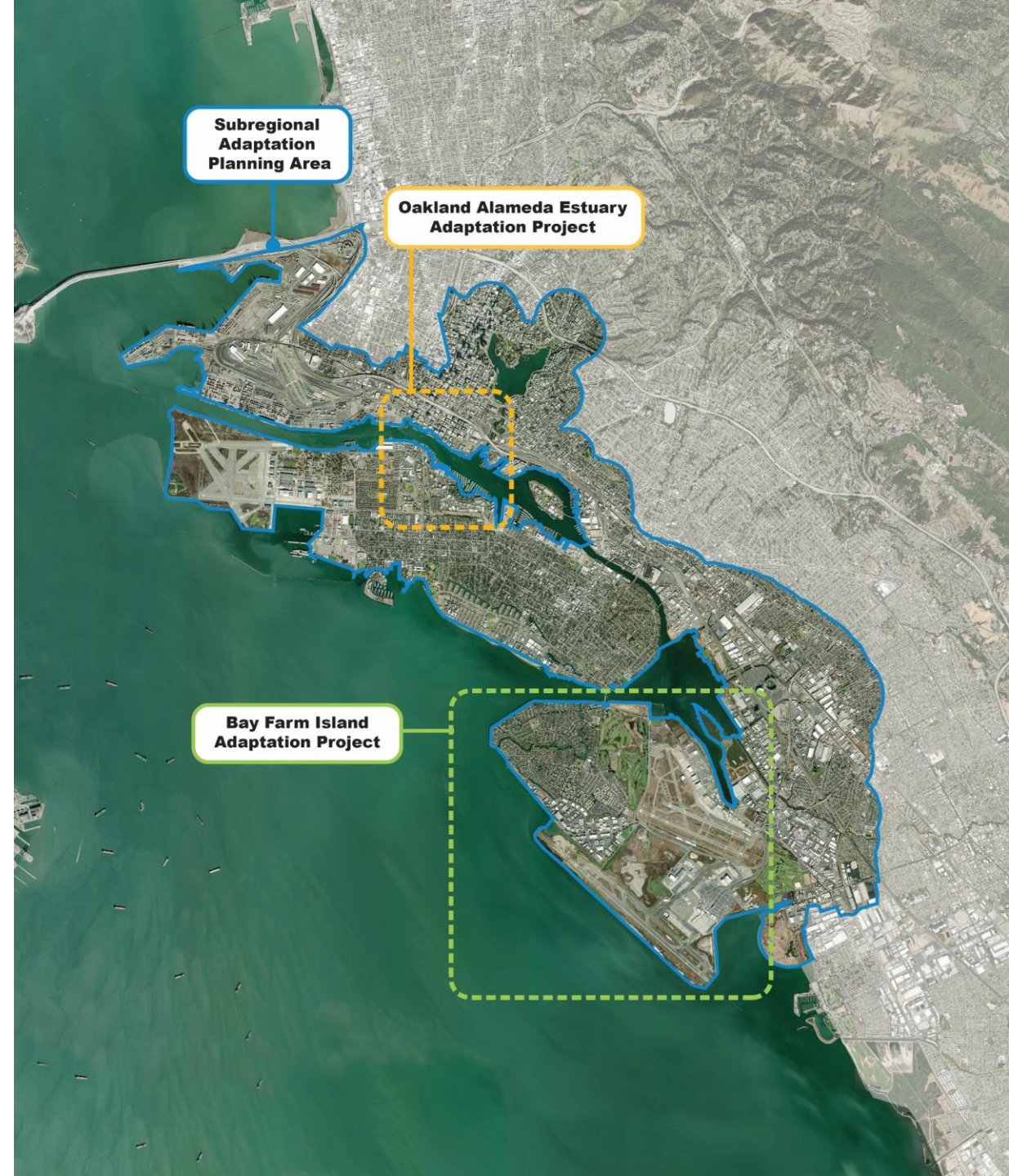
Oakland Alameda Adaptation Committee (OAAC):

A coalition of shoreline community and agency partners working to coordinate the Oakland-Alameda sub-region flood and adaptation projects to protect and restore water quality, habitat, recreation and community resilience.

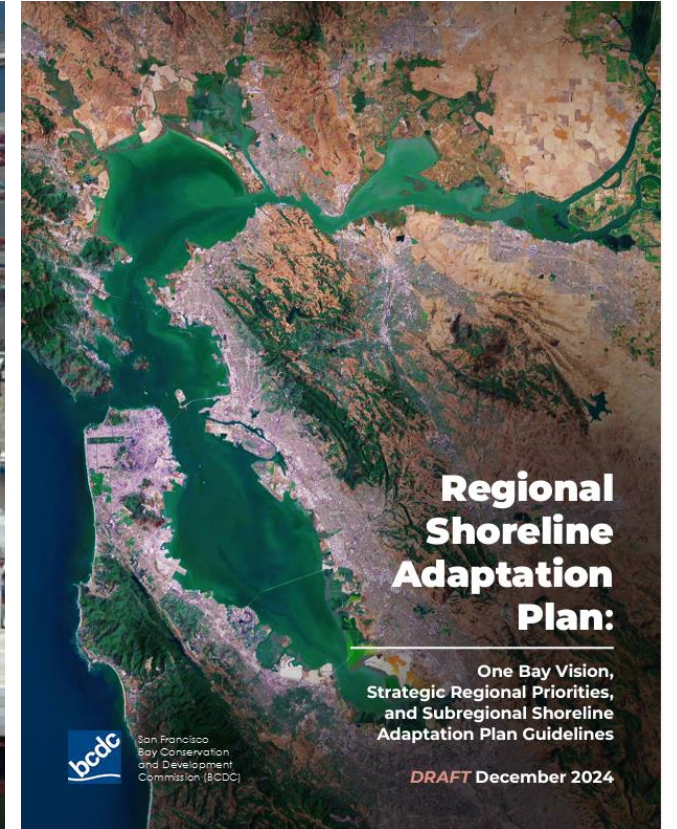


OAAC ADAPT Projects

- The **Subregional Adaptation Plan** is a long-term plan that details preliminary strategies and pathways for shoreline communities to take as the climate and shorelines change over time
- The **Oakland Alameda Estuary Project** is a near-term sea level rise adaptation design concept to address increased coastal, stormwater, and groundwater flooding for up to two feet of sea level rise over the coming decades
- The **Bay Farm Island Adaptation Project** is a near-term sea level rise adaptation design project to address compound flooding and up to two feet of sea level rise and long-term planning coordination.



Other Adaptation Partner Projects in the Sub-Region



OAAC Subregional Goals

1. **Protect** Oakland-Alameda sub-region from the negative effects of expected sea level, inland flooding, and groundwater rise and liquefaction
2. Identify and develop opportunities for **multi-benefit** adaptations strategies
3. Avoid negatively affecting **neighboring subregions** through protection and adaptation measures
4. Utilize an **adaptation pathways** approach to address different SLR thresholds and time horizons. Identify near, mid, and long-term adaptation strategies
5. Enhance **transportation, recreation** corridors, **bay access**, and the San Francisco **Bay Trail**
6. Preserve and increase **open space** where possible
7. Improve subtidal, intertidal, transitional, and upland habitat with **nature-based solutions**
8. Improve **air quality**



Ground Rules

- Engage in **active** listening
- Seek first to **understand**, not to be understood
- No one or two individuals should dominate the **conversation**
- Engage in your realm of experience and expertise, and **respect** and engage others in theirs
- Take **ownership** for positive outcomes
- No bad ideas – let's make this a “**yes, and...**” space



Project Schedule

2023 FALL 2024 JAN FEB MAR APR MAY JUNE JULY AUG SEPT OCT NOV DEC 2025 JAN FEB MAR APR MAY JUNE JULY AUG SEPT



Long-Term Subregional Adaptation Plan



Near-Term Bay Farm Island Adaptation



We are here!



Project Grant Deadline
Feb 2025

Community Engagement Event

Near-Term Oakland Alameda Estuary Adaptation



Oakland Alameda Estuary
REAP Climate Center 8/3/24



Bay Farm Island
Leydecker Park 8/12/24



Oakland Alameda Estuary
Jack London Square 8/15/24



Next Steps & Call to Action



Stay engaged! Bring your voice (and your friends) to the table. We will need community involvement and input to advance this work. **Please join us at the following events:**

City of Alameda (attend virtually or in person)

- Commission on Persons with Disabilities - December 11th at 6:30pm
- Planning Board - Dec 16th at 7 pm
- City Council - Jan 21st at 7 pm

Community Groups

- King Tides Walk with CASA – December 14, 2024 / Crab Cove
- Ninth Root and Sacred Spaces engagement events

Future OAAC ADAPT Events

- Join us in Spring 2025 for community workshops on the long-term plan! Check out the OAAC Adapt website for more information: <https://www.oaacadapt.org/>



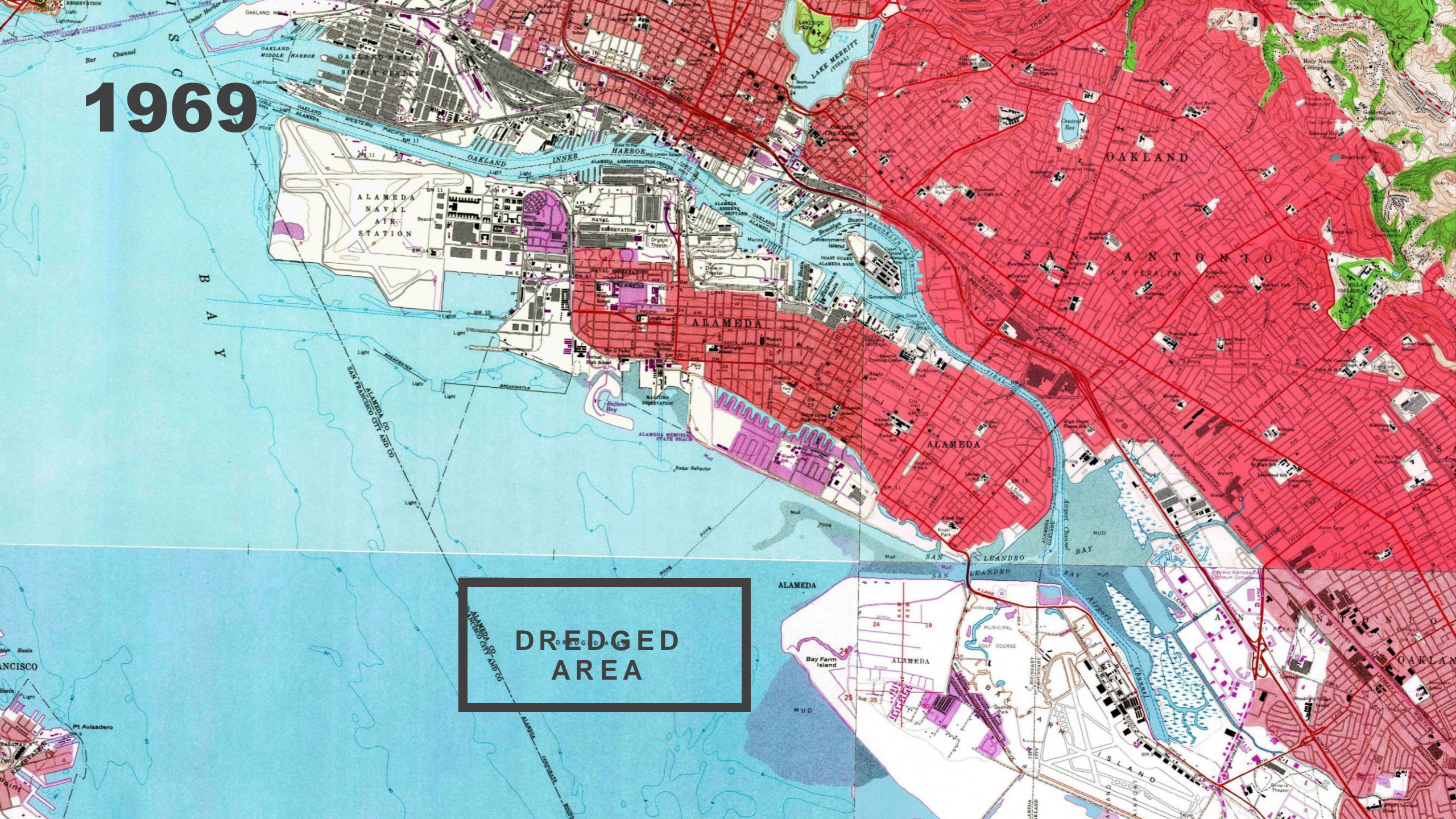
Past Change



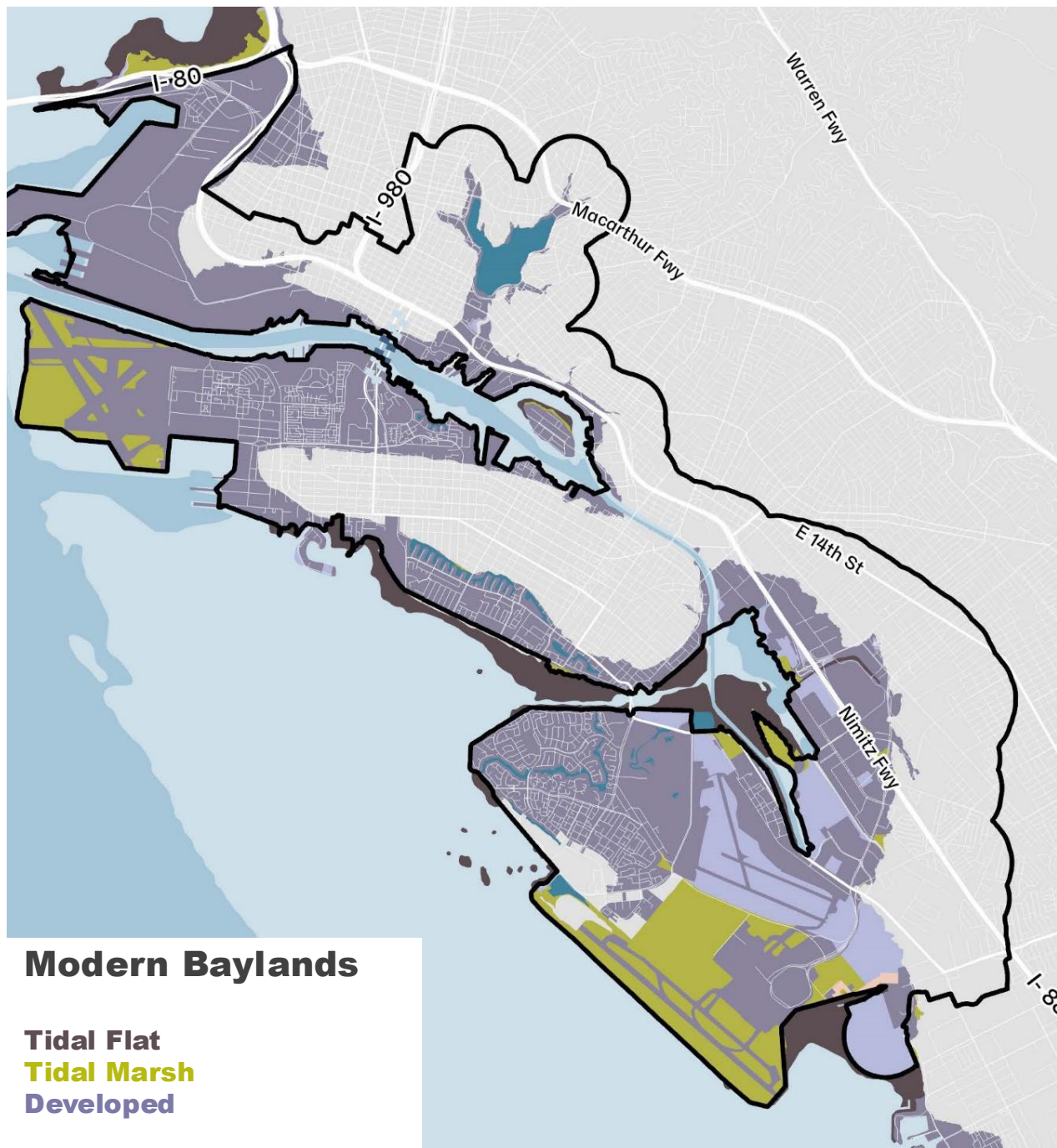
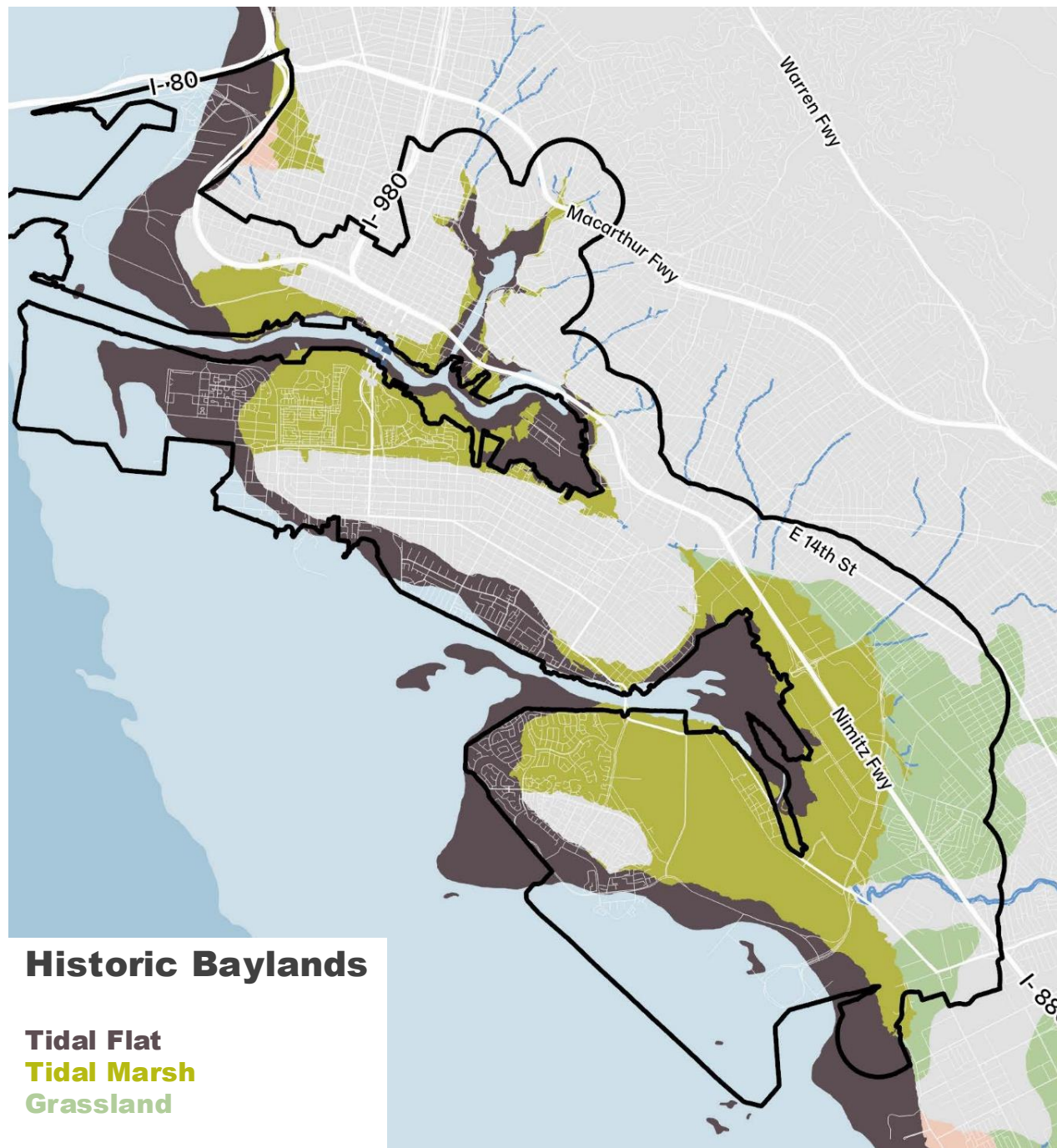
1895



1969



**DREDGED
AREA**



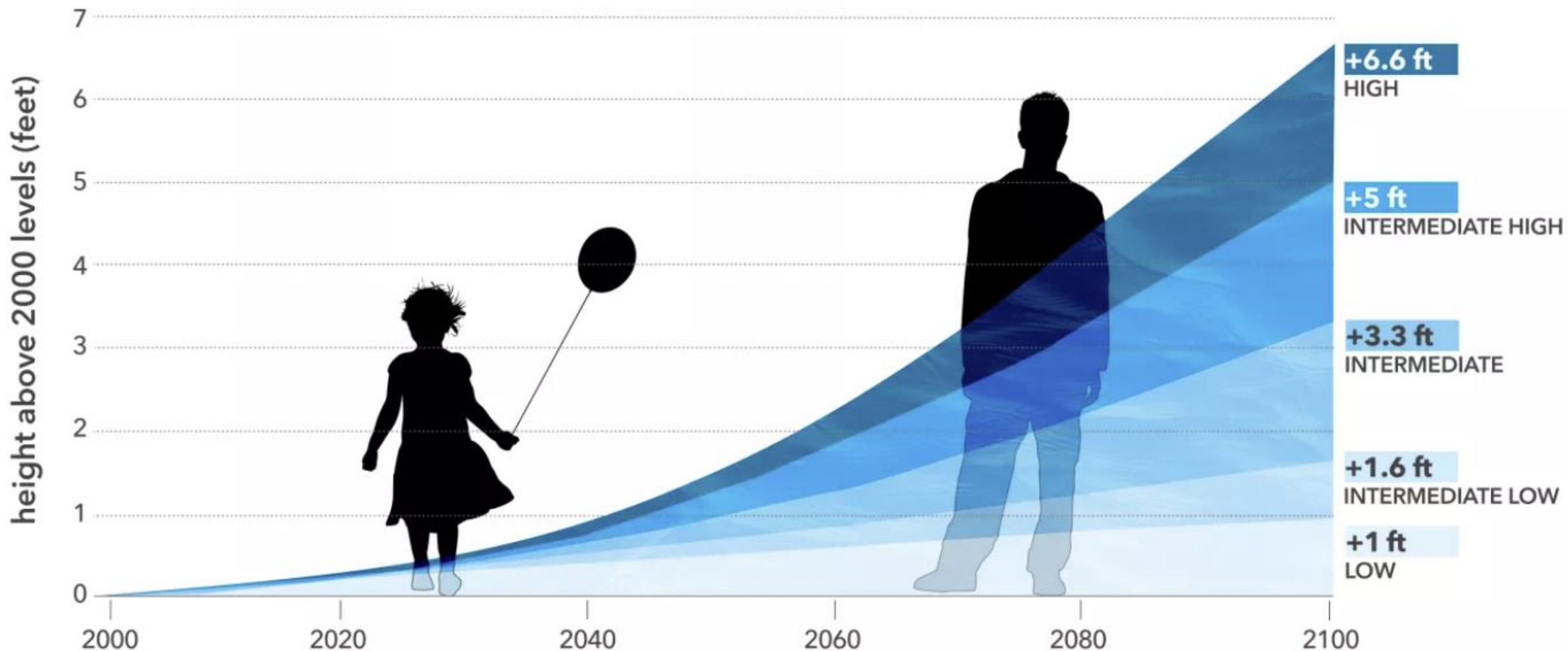
Future Change



Our Climate is Changing



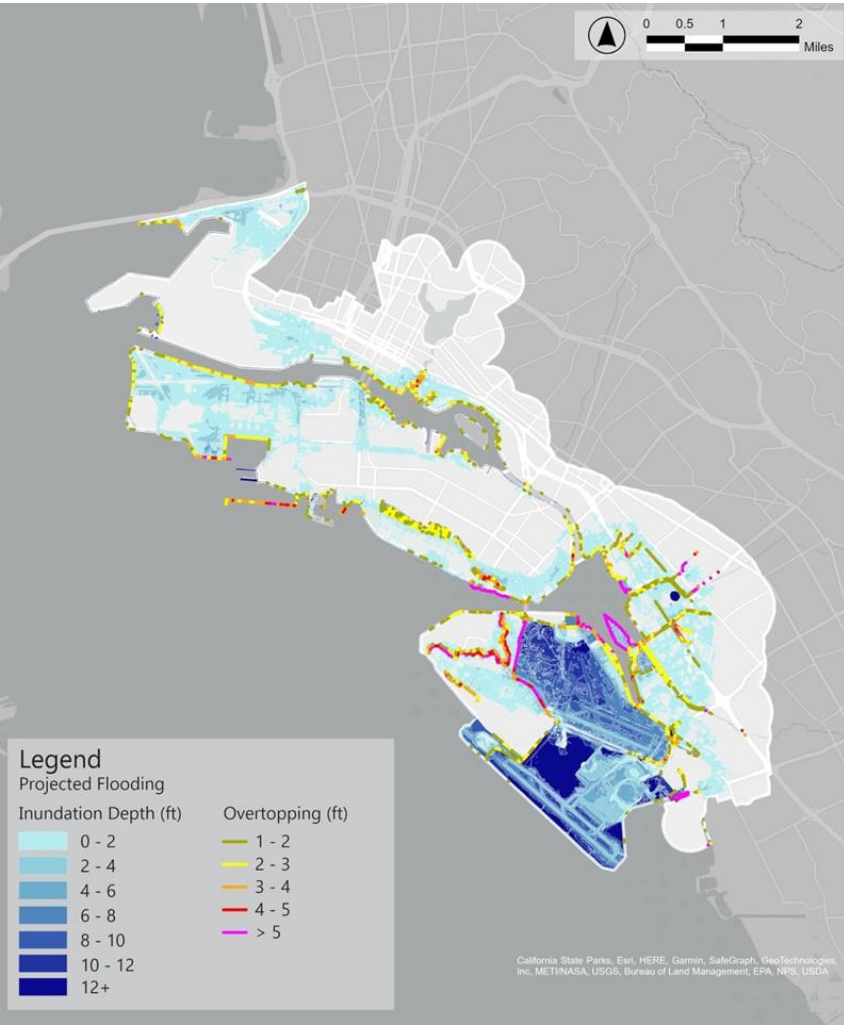
Projected Global Sea Level Rise to the Year 2100



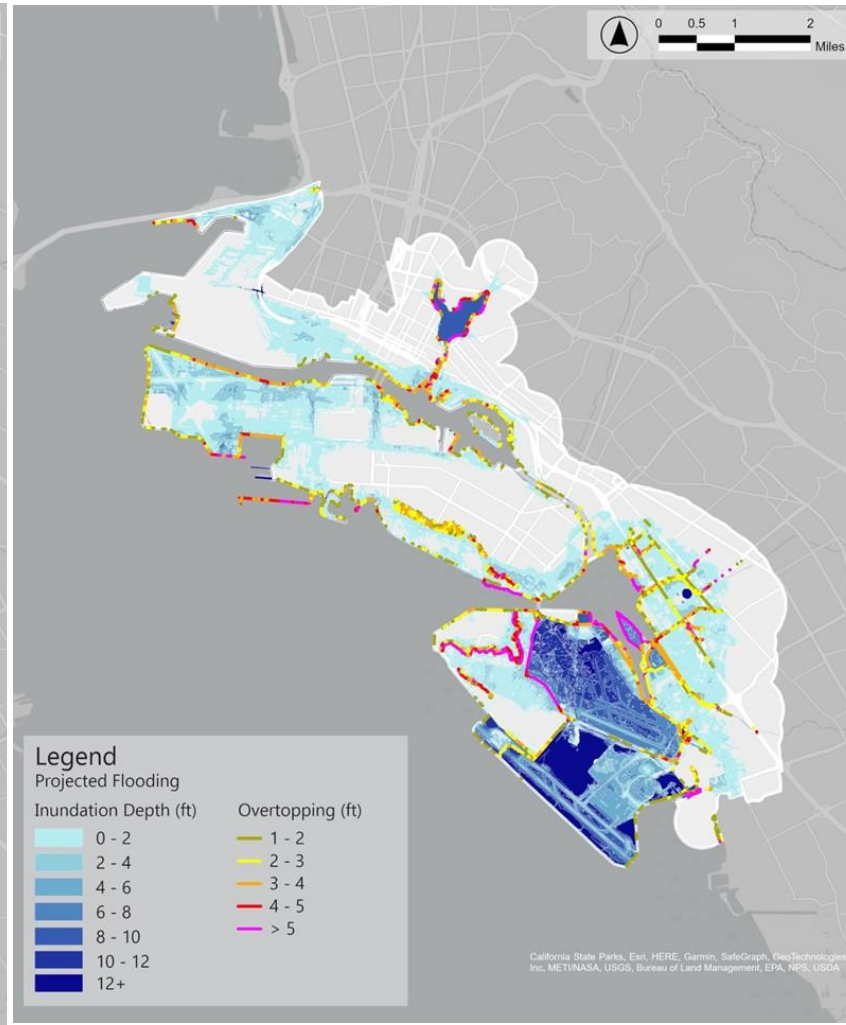
Source: climate.gov



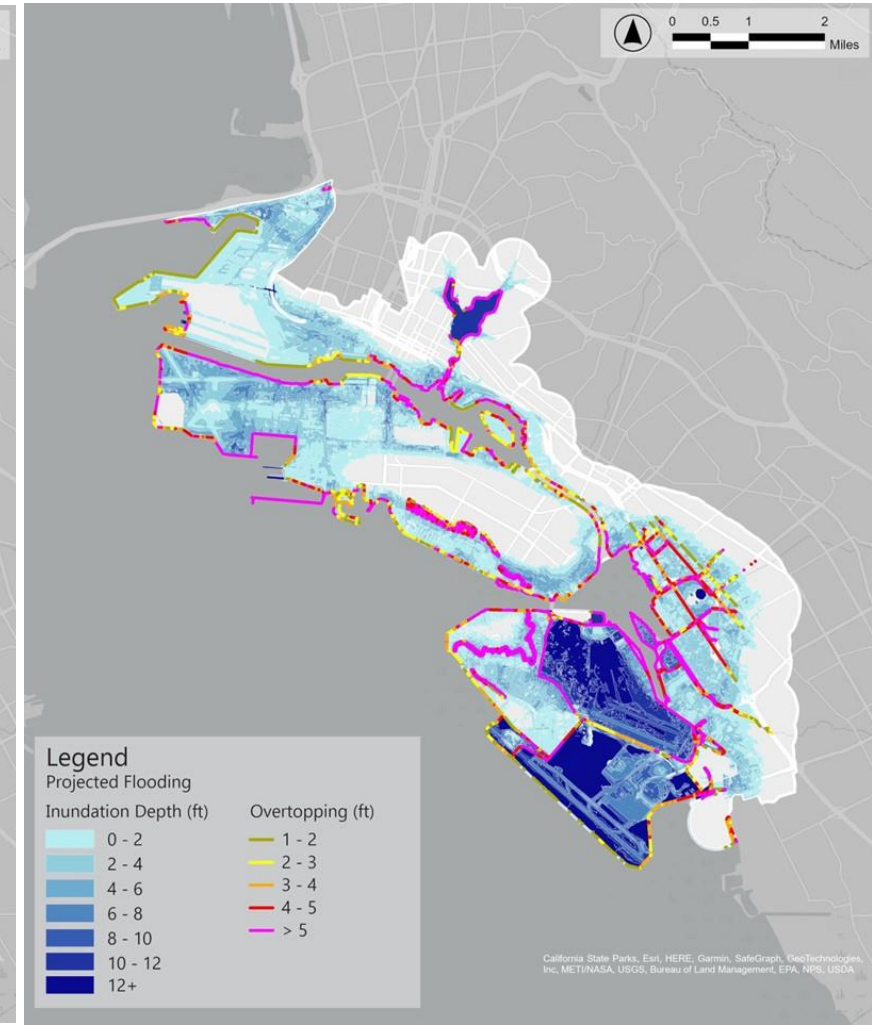
Coastal Flooding



2 ft of sea level rise +
100-year event



3 ft of sea level rise +
100-year event



5½ ft of sea level rise +
100-year event



High tides are already getting higher, **groundwater** is rising, and **rainfall** intensity is increasing.



Bay Farm Island near Veterans Court and the Harbor Bay Club



Embarcadero West Bridge over Lake Merritt Channel



Fernside Road, Alameda (Jan 1, 2023)



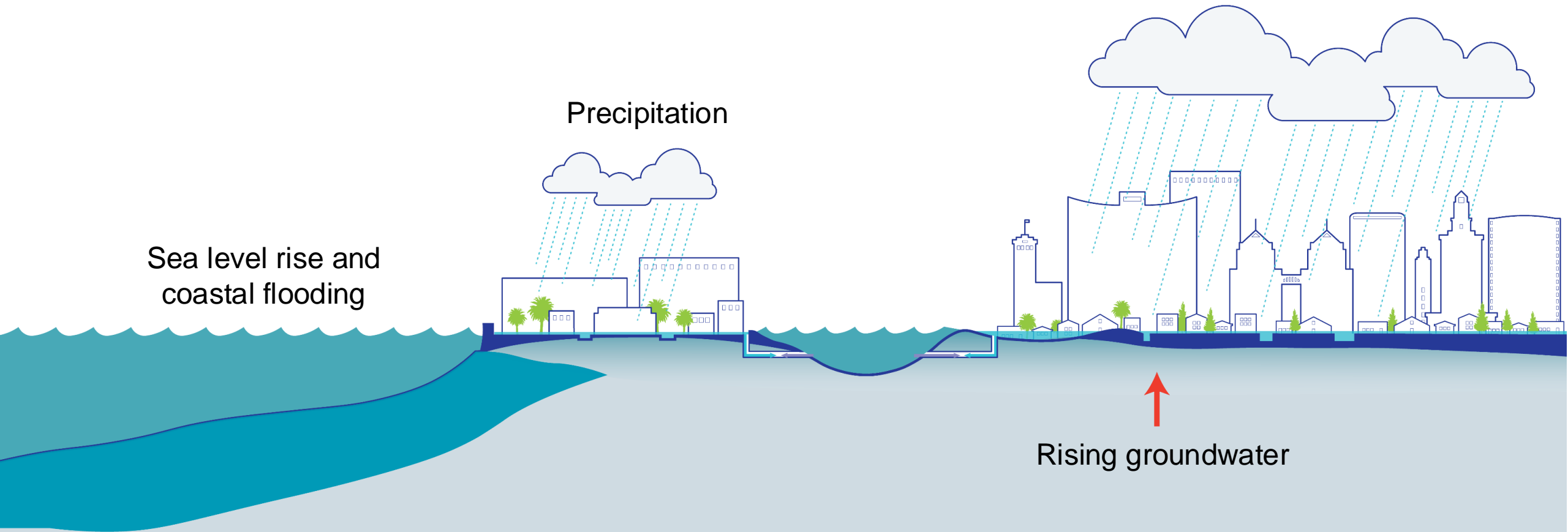
Sea View Park, Bay Farm Island

Low-lying coastal areas built on fill are at the greatest risk.



Combined Flooding:

A complex problem for adaptation

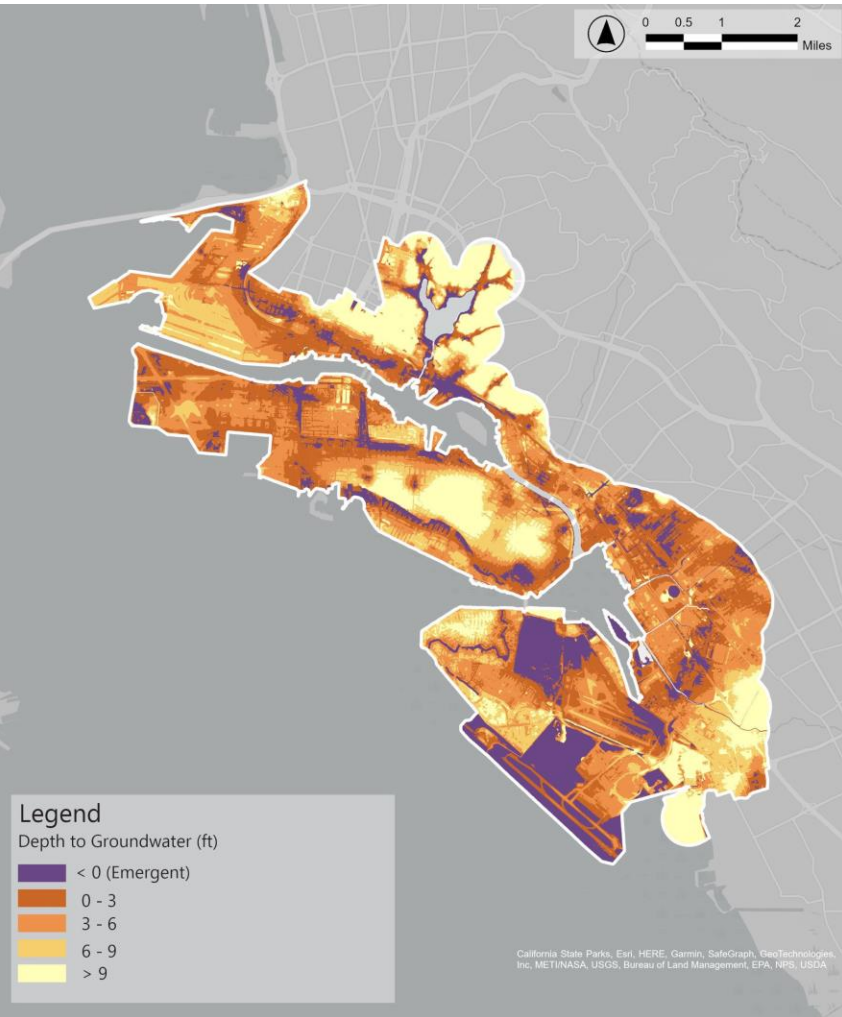


Sea level rise and coastal flooding

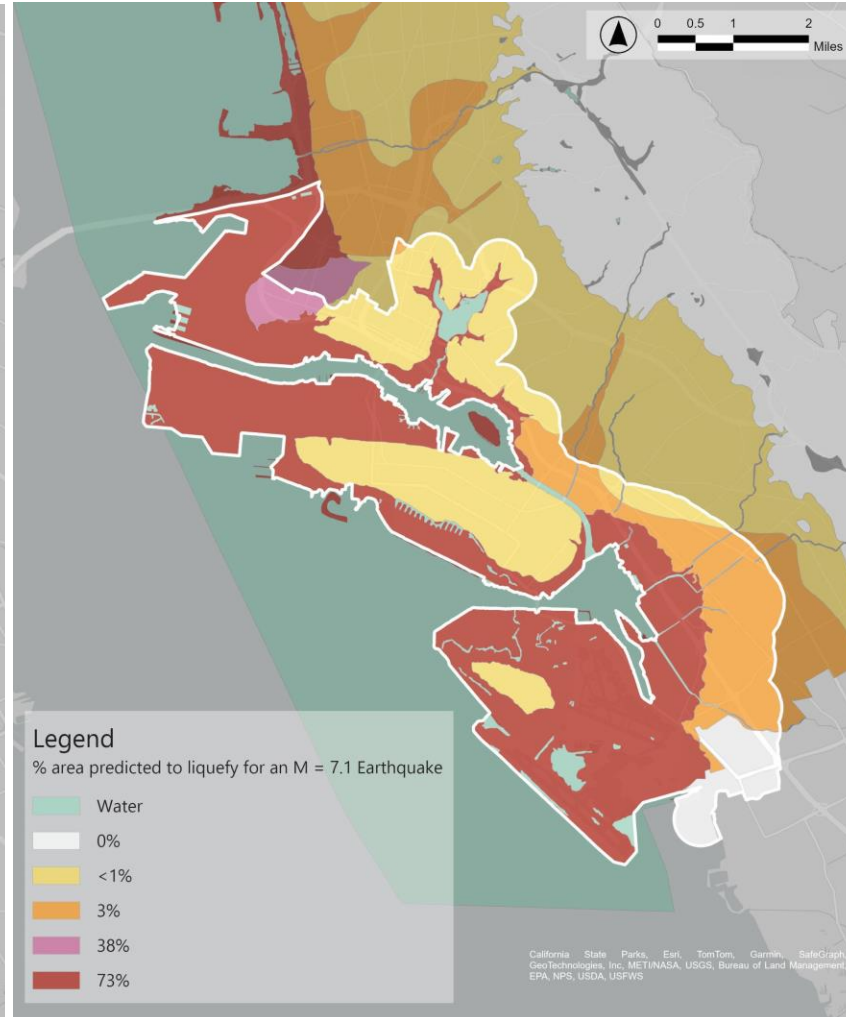
Precipitation

Rising groundwater

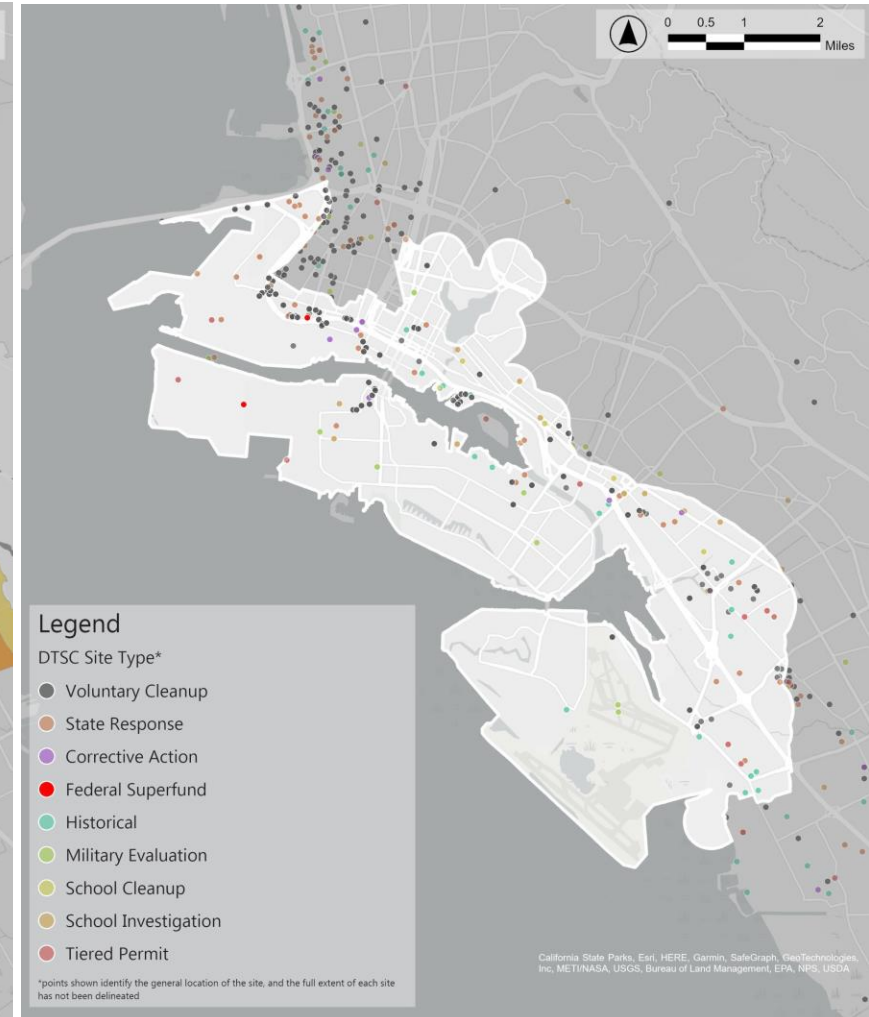
Rising Groundwater, Liquefaction, Contamination



Depth to Groundwater with 3 ft of Sea Level Rise



Liquefaction



Potentially Contaminated Sites (DTSC)

Sea Level Rise Project Criteria

Near Term

2060 - 2080

35 to 50-year adaptation project lifespan

2' of sea level rise

Protect to elevation +14'

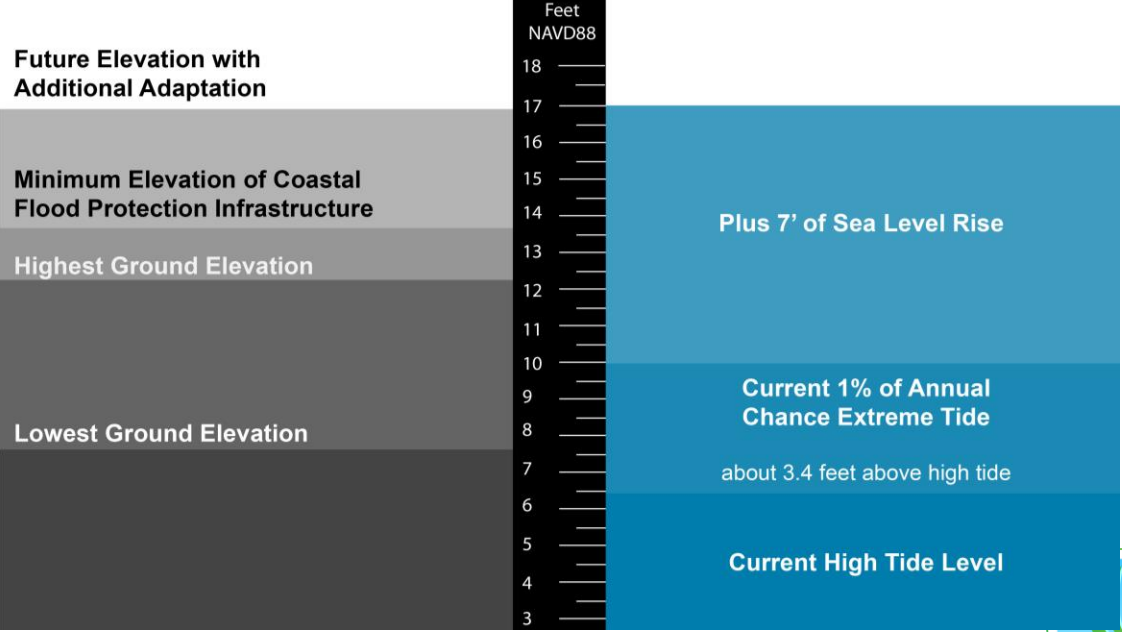
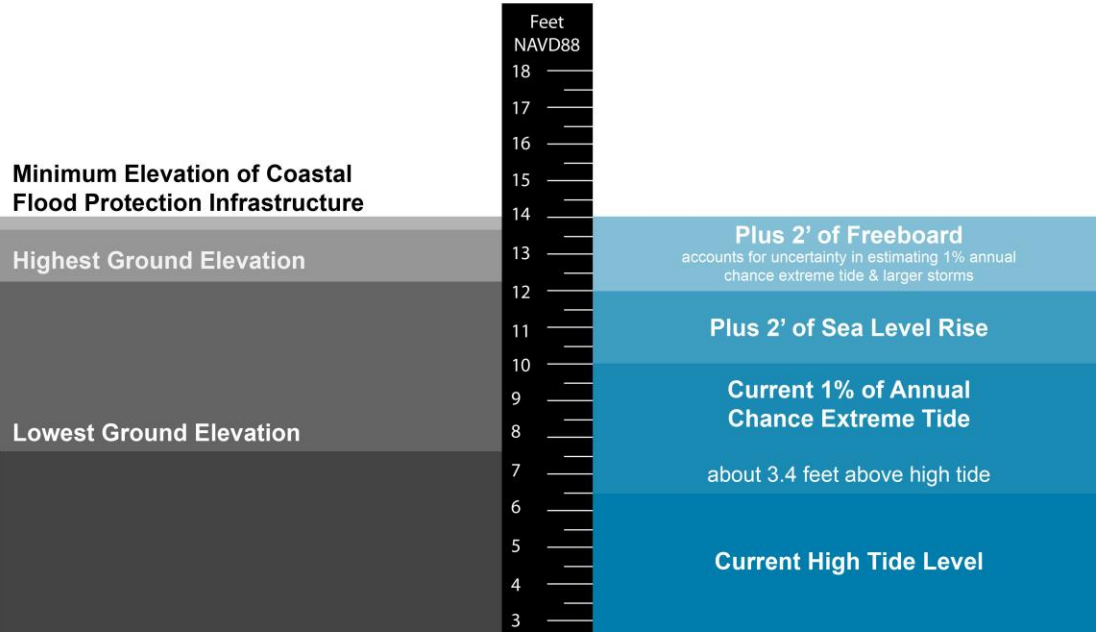
Long Term

2100+

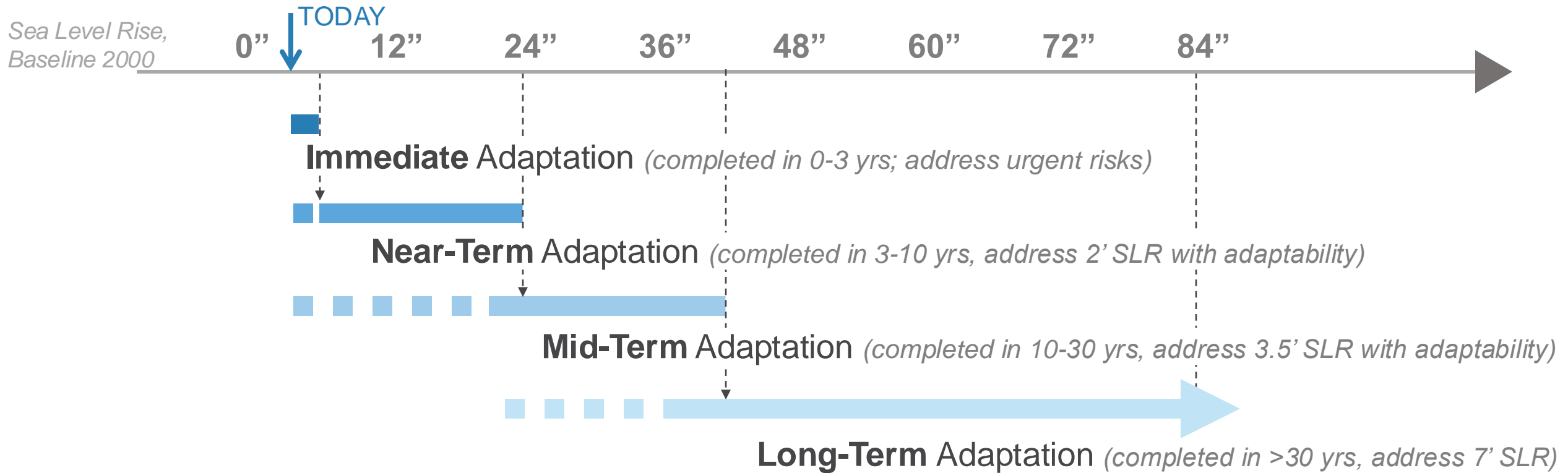
Build upon near term projects

3.5 - 7' of sea level rise

Protect to elevation +17'



WHEN do we need to act – in terms of **sea level rise**?



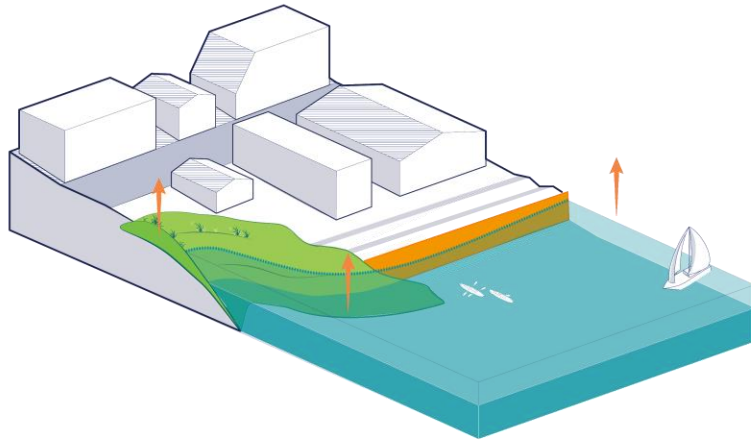
■ ■ ■	Planning Permitting, Design, and Construction
■	Action Effective



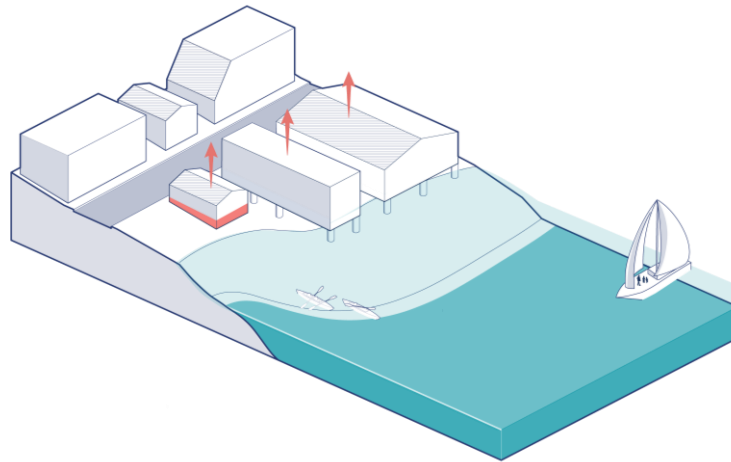
What Can We Do?



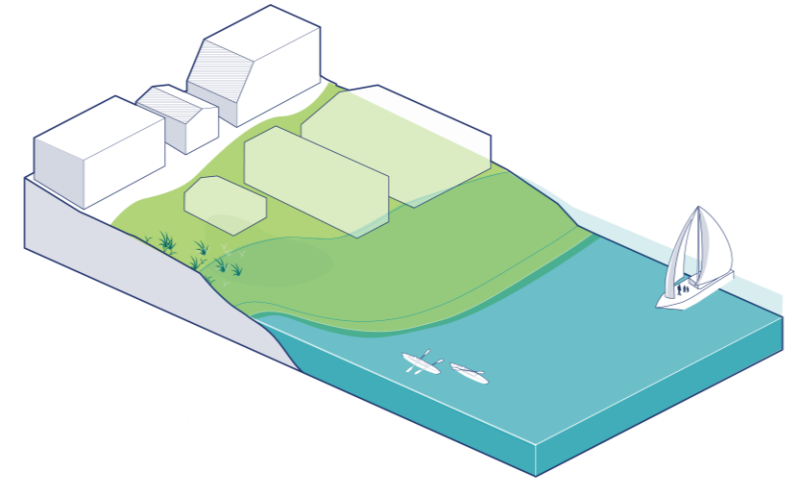
Adaptation Approaches



Protect: Elevate the shoreline to keep the coastal water out



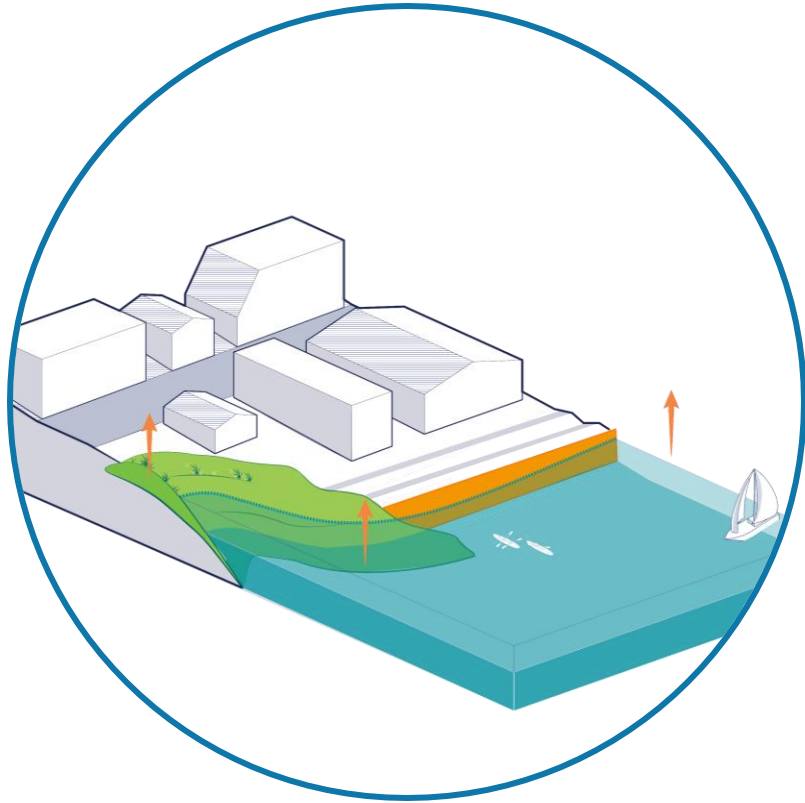
Accommodate: Let coastal water in, adapt buildings and infrastructure (elevate or flood proof)



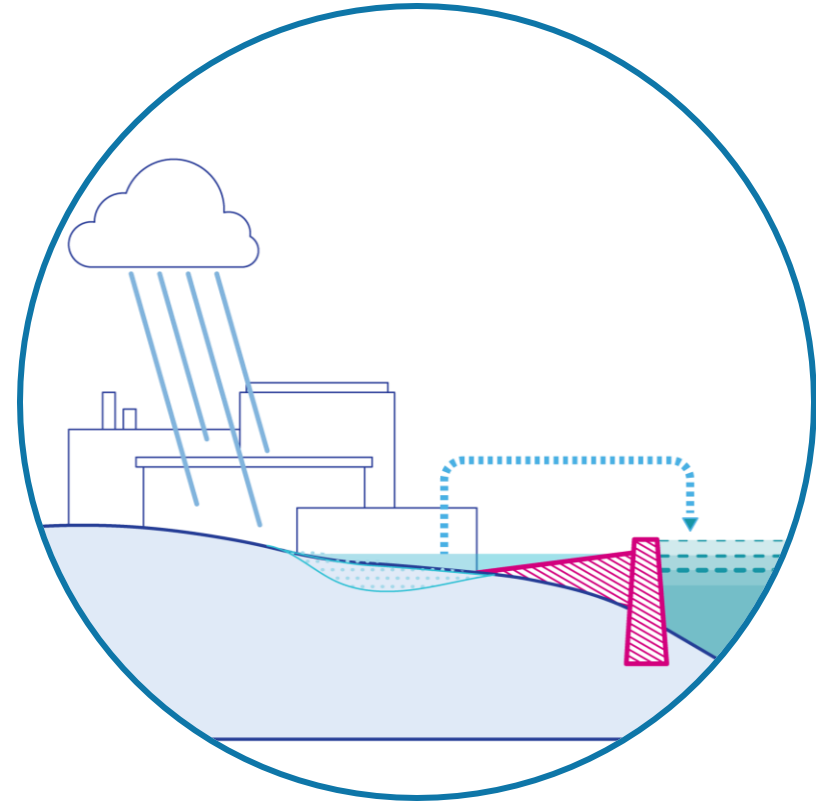
Retreat or Avoid: Move out of the area over time



Combined Adaptation



Shoreline elevation to prevent coastal flooding from sea level rise and storm surges



Inland adaptation (green and grey infrastructure) to manage stormwater and groundwater



How open are we to **people** and **places** changing?

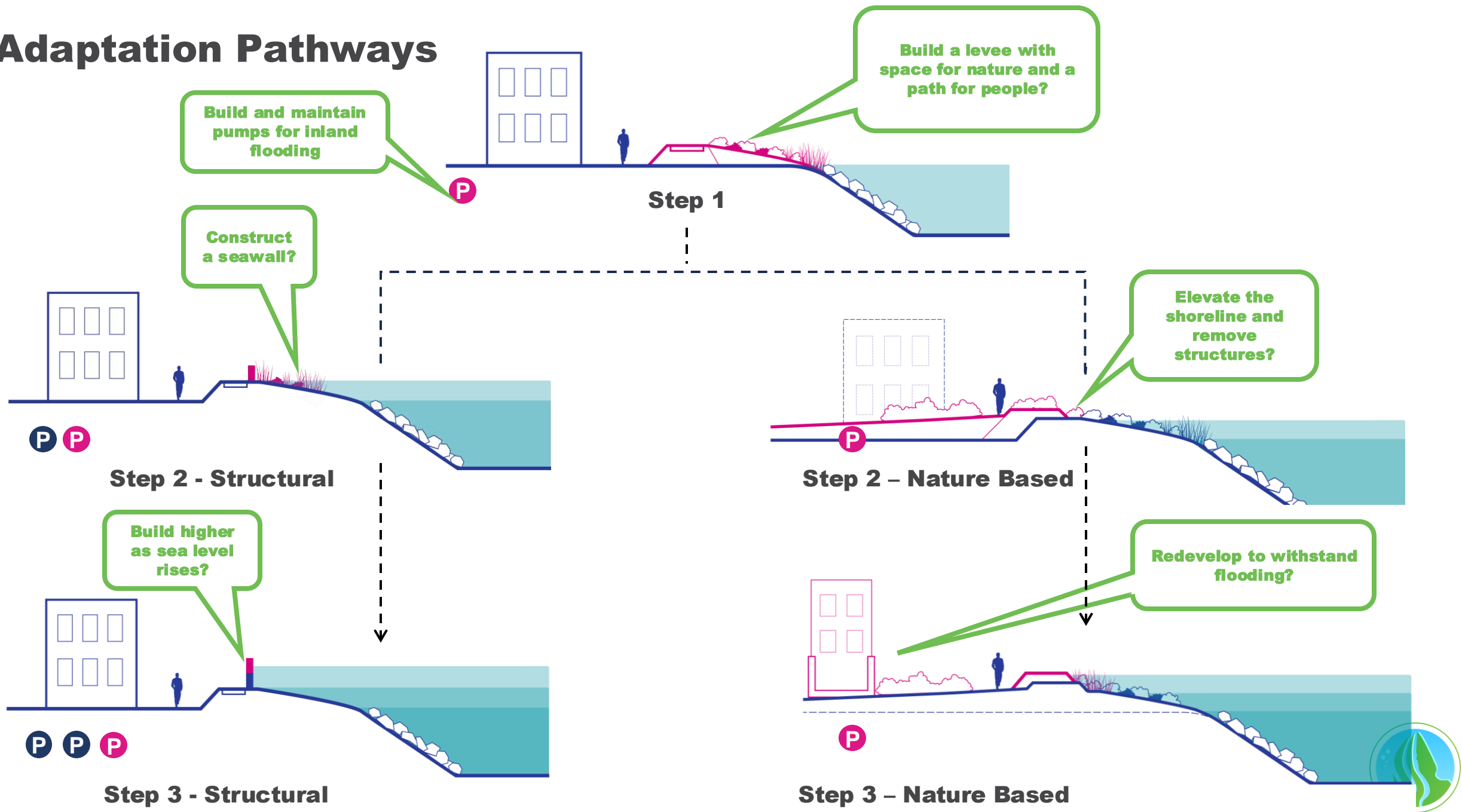


*“We cannot solve our problems
with the same thinking we used
when we created them.”*

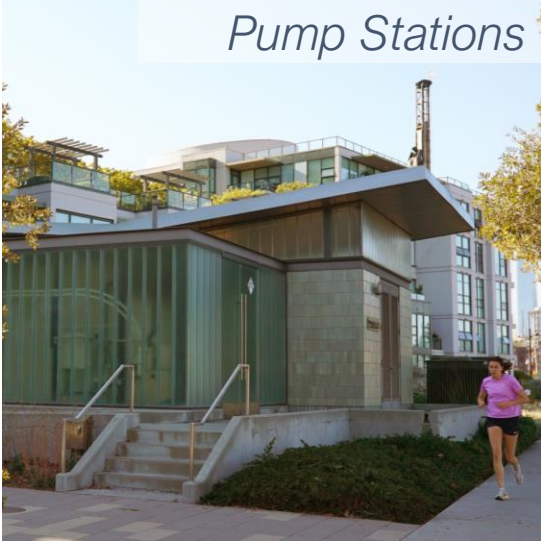
Often attributed to Albert Einstein (no direct source)



Adaptation Pathways



Potential Adaptation Measures



Opportunities to Grow Ecological Health & Habitat

Building on existing and historical habitat conditions in the near term

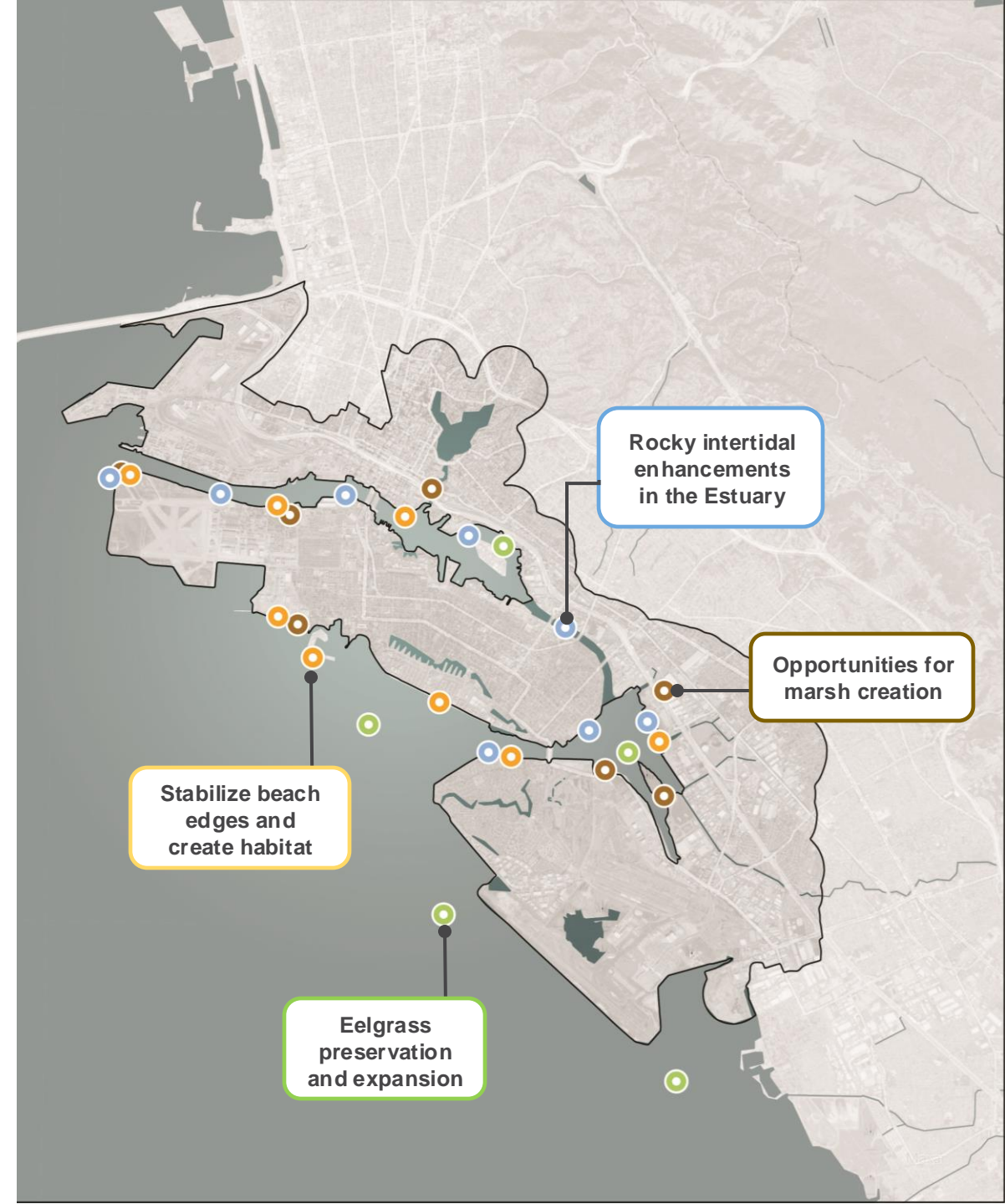
- Marsh and uplands transitions including marsh construction and preservation of existing marsh edge
- Beach stabilization and habitat improvements
- Eelgrass preservation and expansion
- Rocky intertidal enhancements such as living seawalls, enhanced riprap planting, tidepool and oyster bed creation



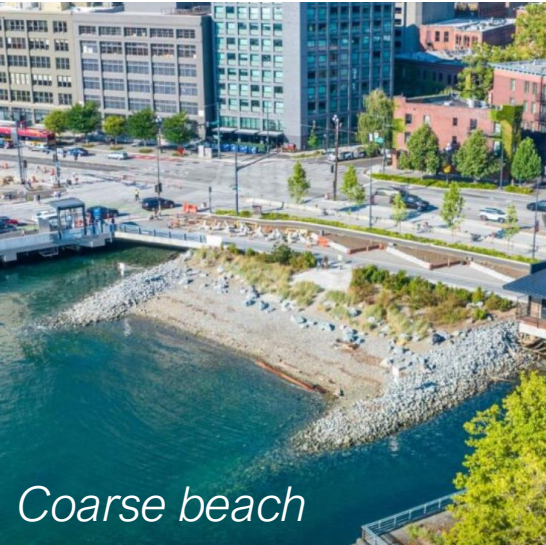
Existing eroding marsh edge along north shore of Bay Farm Island



Sand beach and debris preserving marsh edge and pond habitats within Elsie Roemer preserve.



Natural & Nature-Based Features



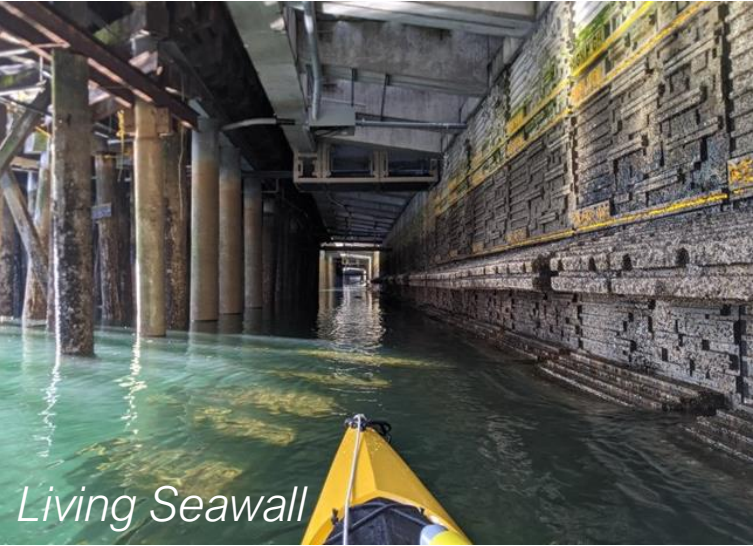
Coarse beach



Gravel Beach and Rocky Intertidal Habitat



Cobble Marsh



Living Seawall



Habitat Panels



Rock and Log Groynes and Beach Protection



Q&A

Add your questions to the chat!



Oakland-Alameda Estuary Existing Conditions



Project Area:
Oakland-Alameda Estuary



Jack London Square

Bohol Circle

Oakmont

Barnhill Marina

Marina Village

Shoreline Park

The Landing

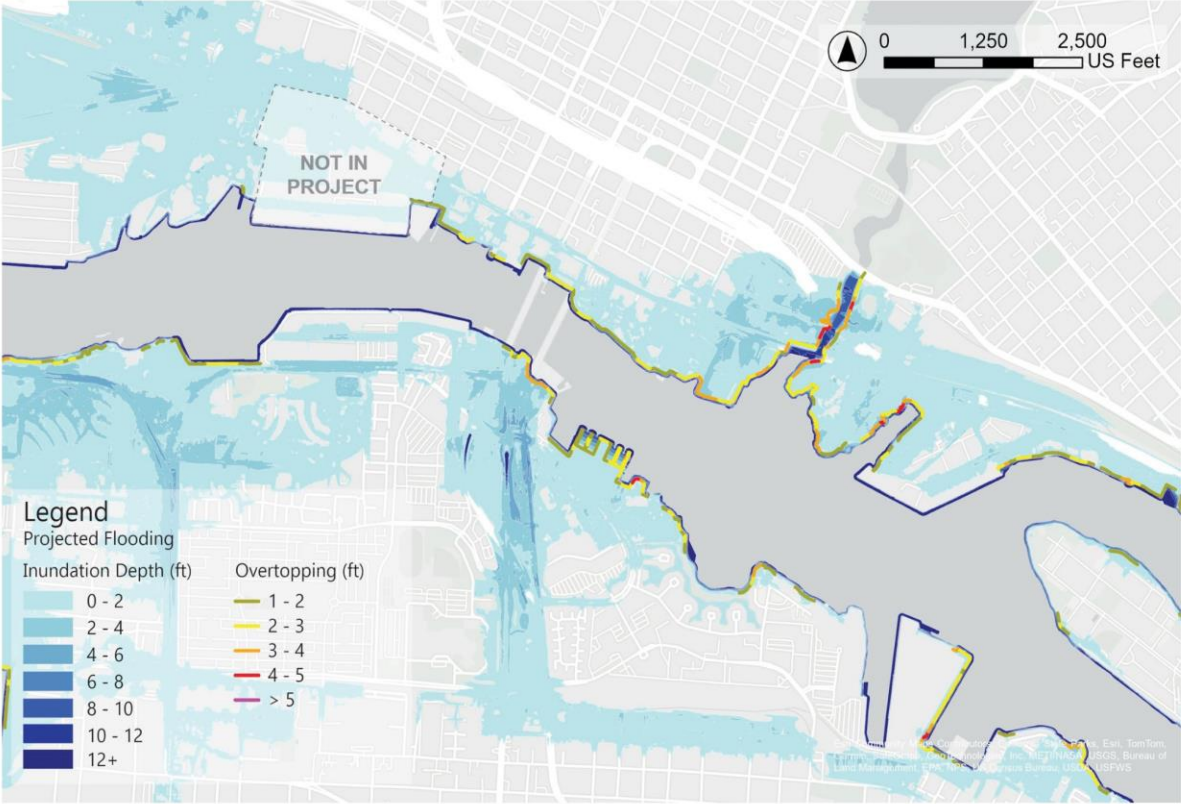
Estuary Park

Lake Merritt Channel

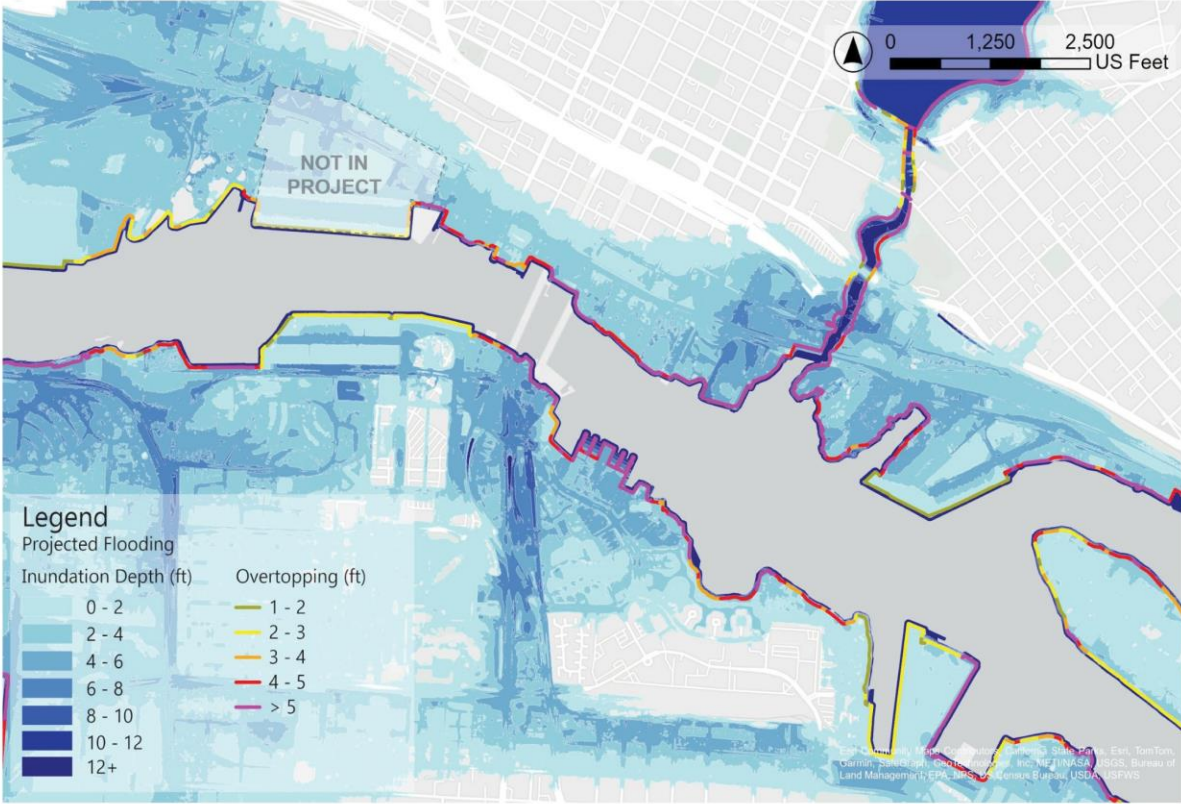
OAKLAND ALAMEDA ESTUARY

I-880

Projected Sea Level Rise: Oakland-Alameda Estuary

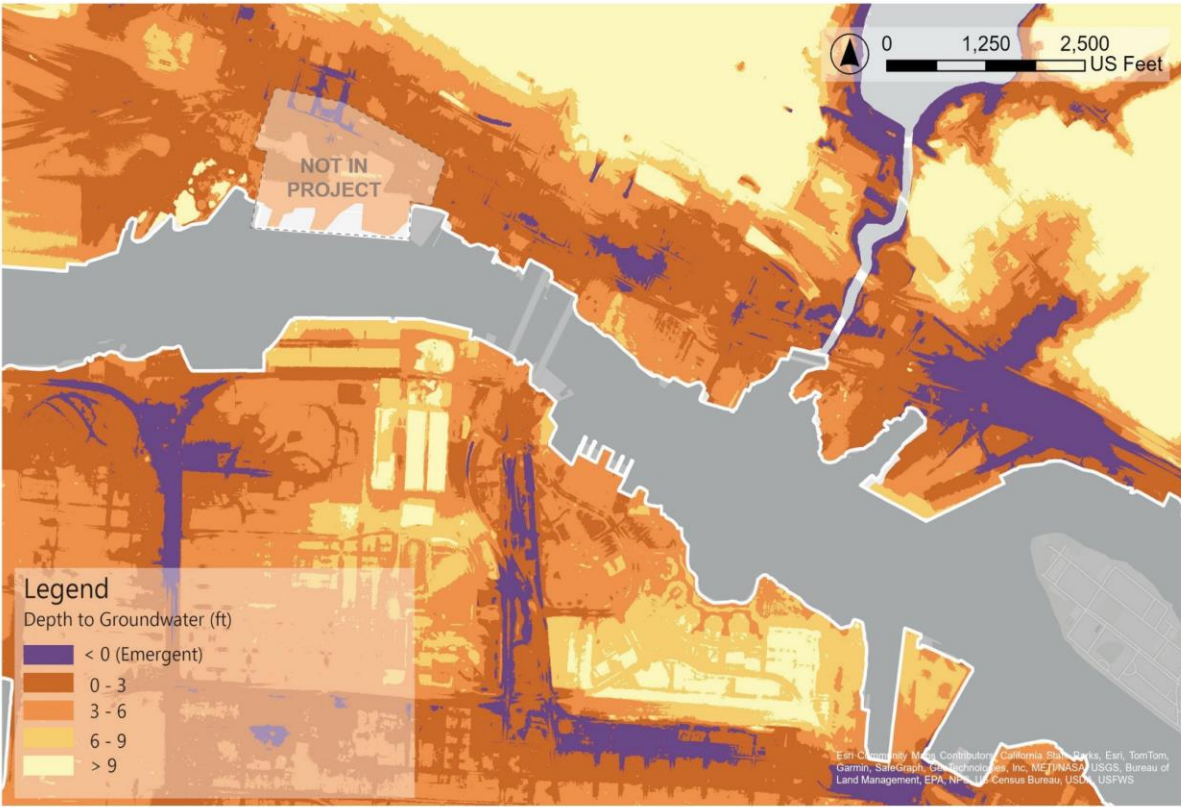


100-year coastal flood with 2' sea level rise

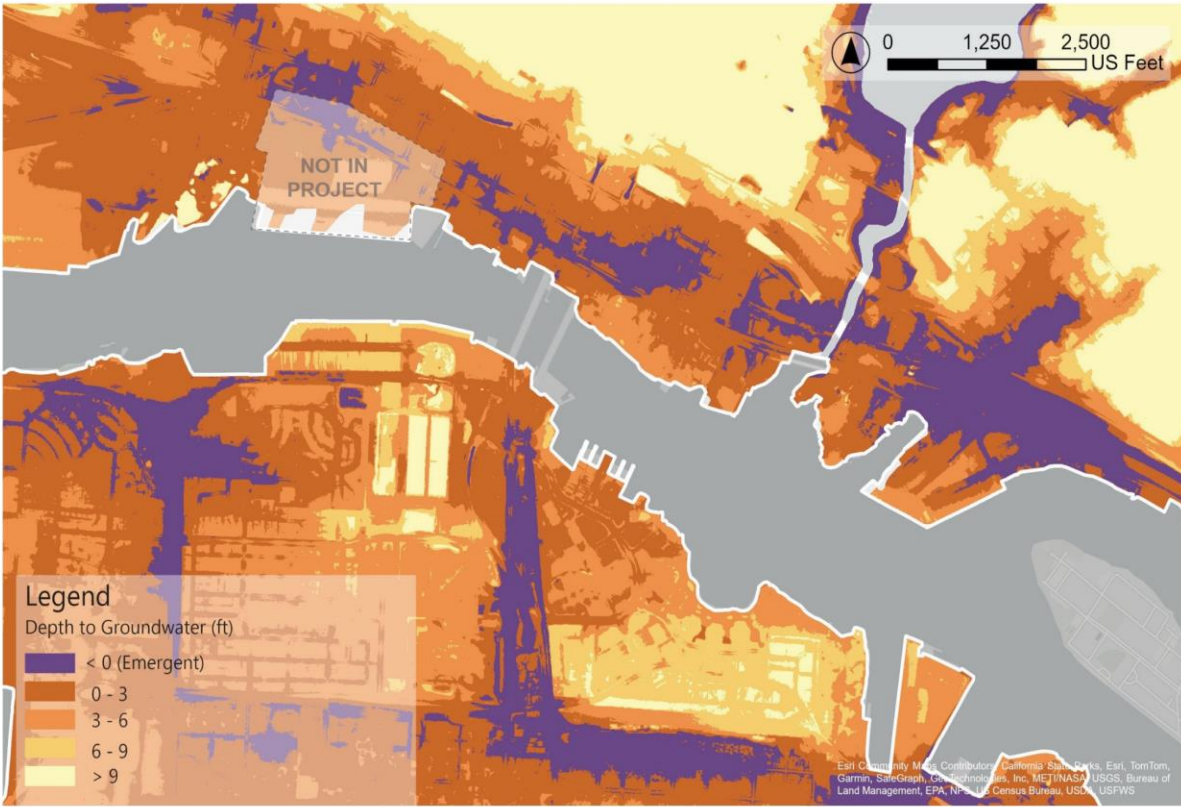


100-year coastal flood with 5.5' sea level rise

Projected Depth to Groundwater: Oakland-Alameda Estuary



Depth to groundwater with 2' sea level rise



Depth to groundwater with 5.5' sea level rise

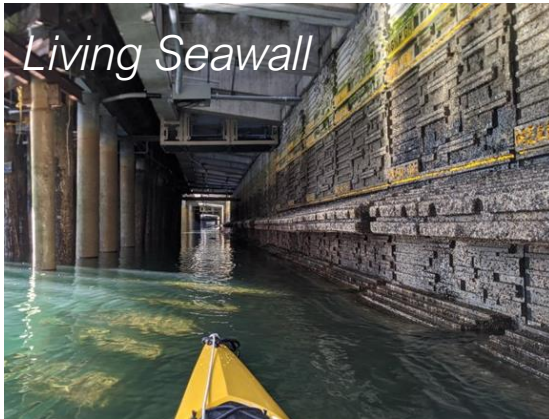
Potential Natural & Nature-Based Features



Gravel Beach and Rocky Intertidal Habitat



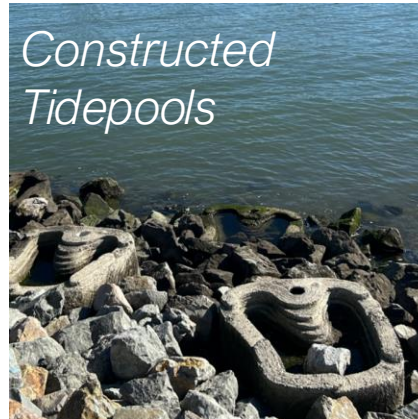
Rock & Log Slope Enhancement



Living Seawall



Habitat Panels



Constructed Tidepools



Cobble Marsh

Developing & Evaluating Alternatives



Developing Adaptation Alternatives into Design Concepts



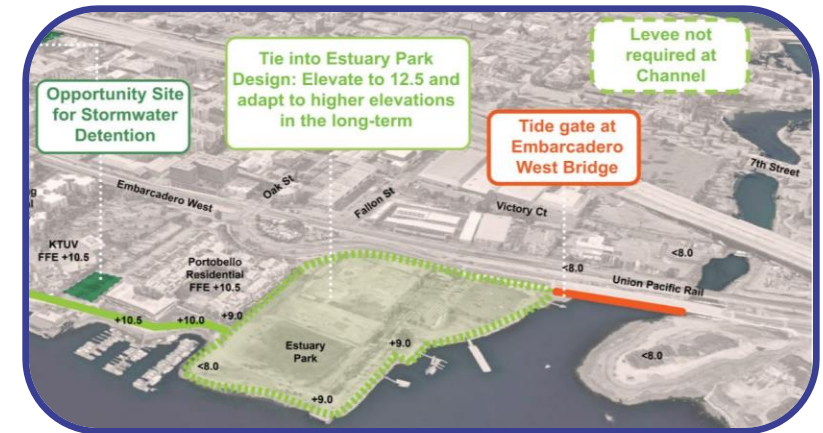
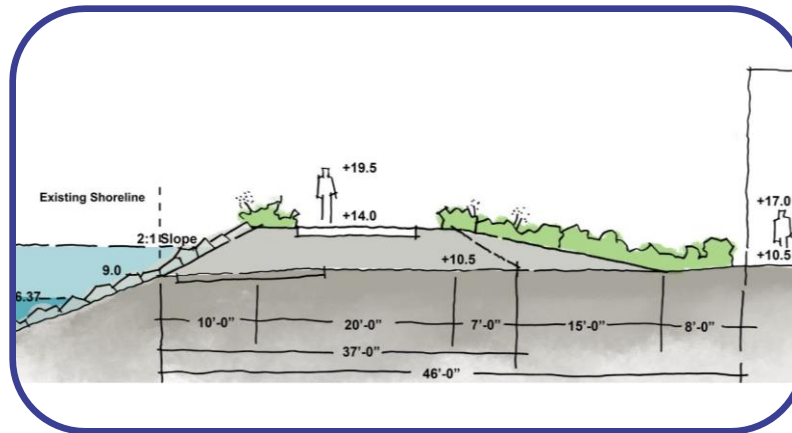
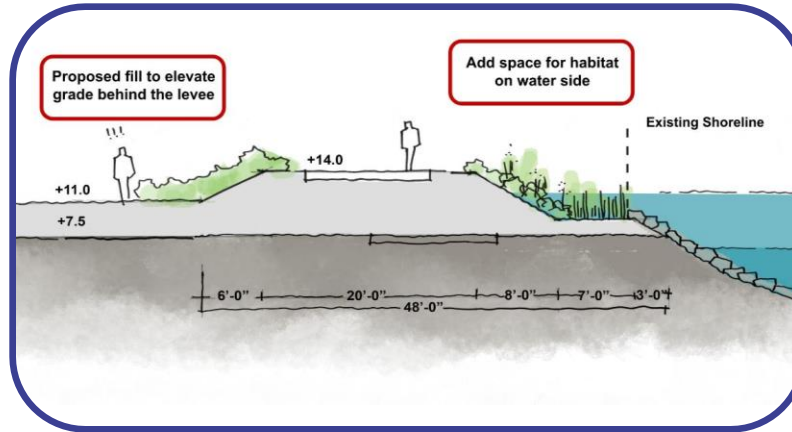
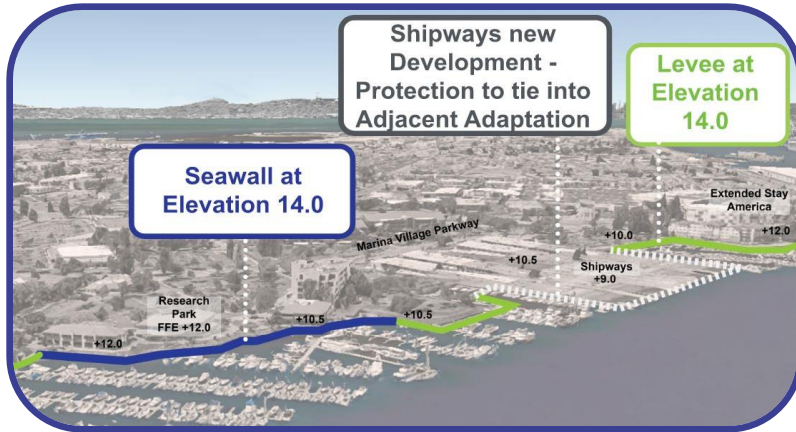
Existing Conditions & Analysis

Develop Alternatives

Evaluate Alternatives

Refine Selected Concepts

Over 50 coastal and inland flood adaptation measures were considered for the zones along the Oakland-Alameda Estuary shoreline



Existing
Conditions
& Analysis

Develop
Alternatives

Evaluate
Alternatives

Selected
Concepts

The Alternatives were assessed relative to the OAAC Project Charter and Project Planning Principles



Pathways
Approach



Critical
Infrastructure &
Services



Multi-benefit



Equity &
Environmental
Justice



Community
Health &
Wellbeing



Governance,
Collaboration,
& Finance



Transportation
& Transit



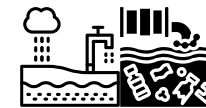
Ecosystem Health
& Resilience



Housing,
Development,
& Land Use

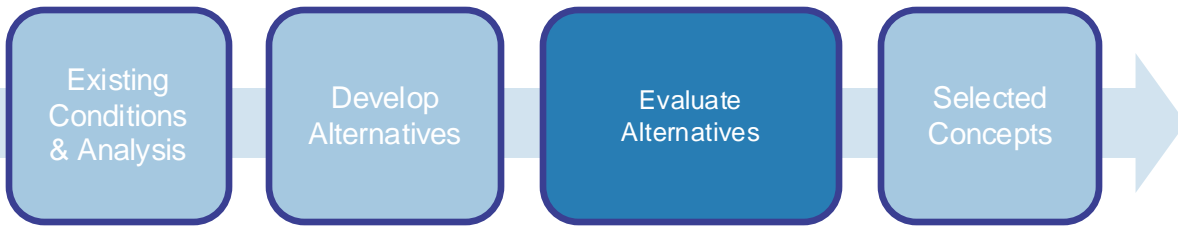


Public Access,
Recreation,
& Urban Design



Groundwater
& Shoreline
Contamination





The Alternatives were assessed relative to each other using the **Priority Evaluation Criteria developed by the project consultants, community members and agency partners**

COASTAL FLOOD PROTECTION: Does the Measure provide FEMA Accredited Coastal Flood Protection

ADAPTABILITY: Is the Measure Adaptable in the future for Long-Term Flood Protection? (Elev. 17 or greater)

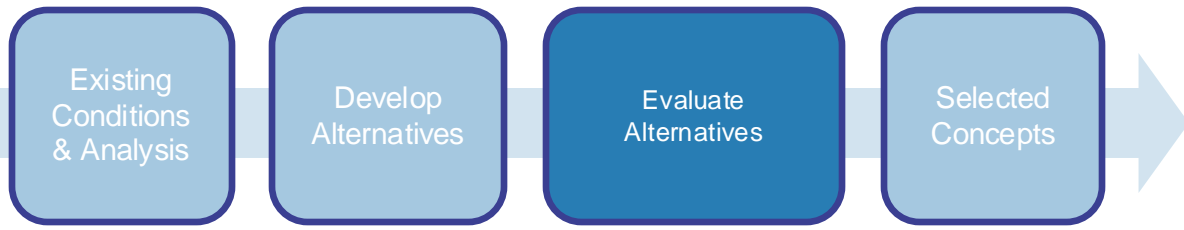
PUBLIC REALM: What is the Relative Quality Public Access and Public Space Provided by the Measure

ENVIRONMENTAL IMPACT: What is the Relative Value of the Environmental Impact of the Measure. This could be negative or positive benefit.

COST: What is the Cost of the Measure Relative to other Measures

TIMELINE: Can the measure be implemented by 2035 (within 10 years)





Alternatives that were determined to align with the Project Planning Principles and Evaluation Criteria best for each zone of the shoreline were developed into the current recommended concepts



Design Concepts



Alameda Coastal Flood Protection Concept

*Mariner Square to
Marina Village*



Mariner Square to Marina Village – Existing Site



Mariner Square



Oakmont



Barnhill Marina



Dock Q



Extended Stay America Hotel



Marina Village



Marina Village



Shoreline Park

Shoreline Analysis



NAVIGABLE CHANNEL

BOHOL CIRCLE
IMMIGRANT
PARK

MARINER
SQUARE

OAKMONT
FFE +10.5

BARNHILL MARINA
FLOATING HOMES

CARDINAL
POINT

EXTENDED
STAY AMERICA
FFE +12.5

SHIPWAYS

MITCHELL AVE

MARINA VILLAGE PKWY

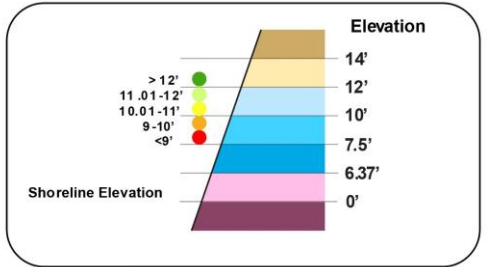
Webster Tube
Entrance
<6.0

Posey Tube
Entrance
<6.0

SHORELINE
PARK

MARINA VILLAGE

WEBSTER ST / 260



Flooding at Posey & Webster Tubes

1. Water rises over the shoreline at the lowest points

1.

2. Water flows to the lowest point inland

2.

3.

Water collects along the previous rail corridor and then overflows down into Posey Tube.

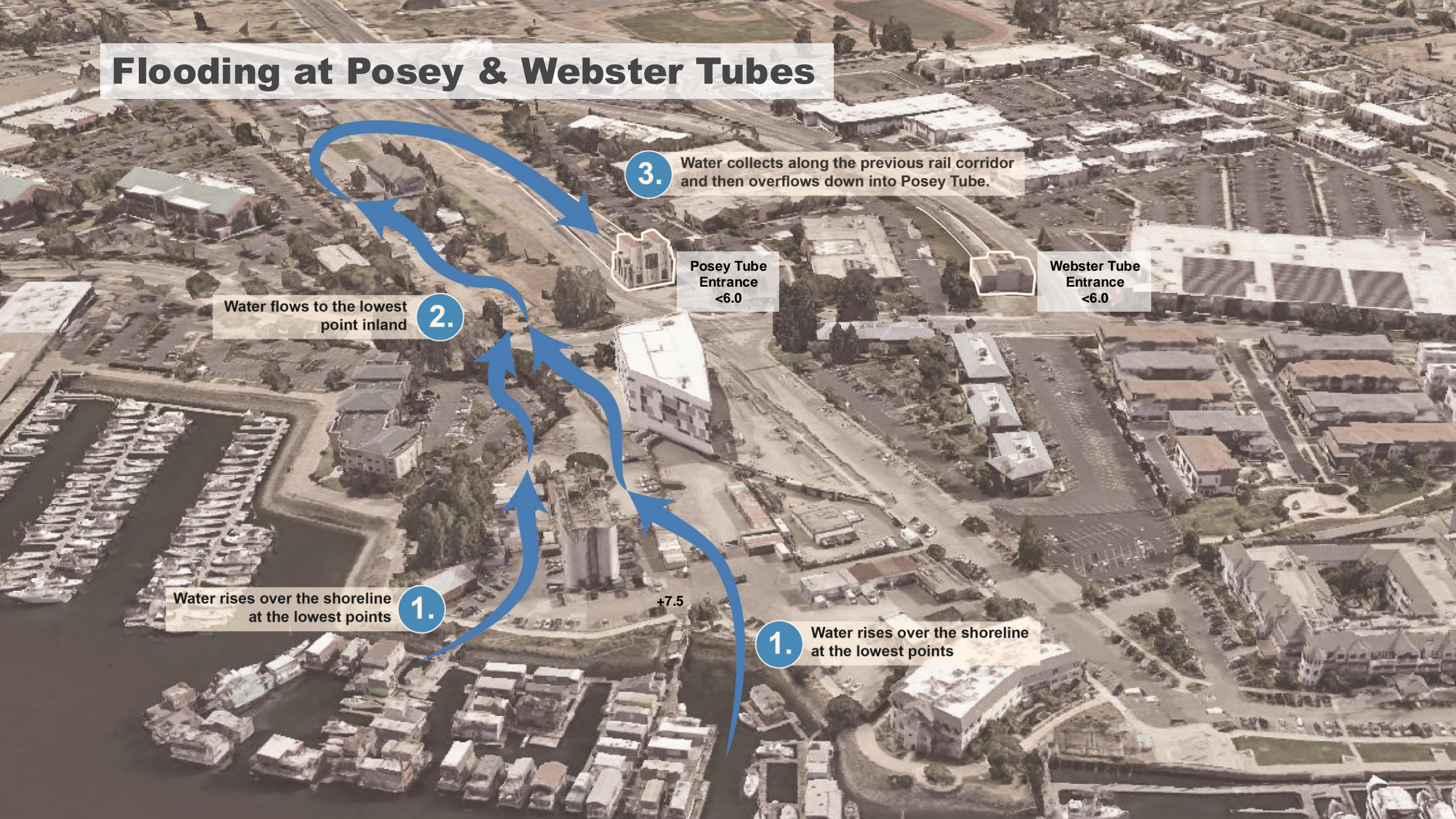
Posey Tube Entrance
<6.0

Webster Tube Entrance
<6.0

1.

Water rises over the shoreline at the lowest points

+7.5



Alameda Near Term Adaptation Concept

Alameda Coastal Flood Protection

MARINER SQUARE TO SHIPWAYS

SHIPWAYS TO MARINA VILLAGE



Alameda Concept Plan – Mariner Square to Shipways



OVERLOOK

MARINA ACCESS

LIVING SEAWALL
ELEV. 14

1

MARINER SQUARE

STORM DRAIN LINES (TYP)

WEBSTER SD
PUMP STATION

CARDINAL
POINT

MARINER SQUARE DR

RAMP, TYP.
1:12

RELOCATE (7)
PARKING SPACES

RELOCATE (20)
PARKING SPACES

PICNIC AREA

UPLAND HABITAT
PLANTING

BARNHILL MARINA

EXTENDED STAY
AMERICA
HOTEL
FFE +12.5

UPLAND HABITAT
PLANTING

RELOCATE (20)
PARKING SPACES

NORTHSIDE/MARINA
VILLAGE SD PUMP STATION

EXTRA SPACE
STORAGE

LIVING SEAWALL
ELEV. 14

BARNHILL MARINA
FLOATING HOMES

RELOCATE EXISTING
GANGWAY

LEVEE & 18'-WIDE PATH
ELEV. 14.0

LEVEE – PLANTED RIPRAP,
ROCKY INTERTIDAL HABITAT

OVERLOOK

LEVEE – ENHANCED SLOPE,
ROCK & LOG HABITAT

SHIPWAYS
FUTURE
REDEVELOPMENT
ELEV. 14.0

LEVEE - PLANTED RIPRAP,
ROCKY INTERTIDAL HABITAT

EX. MARINA
RAMP &
GANGWAY

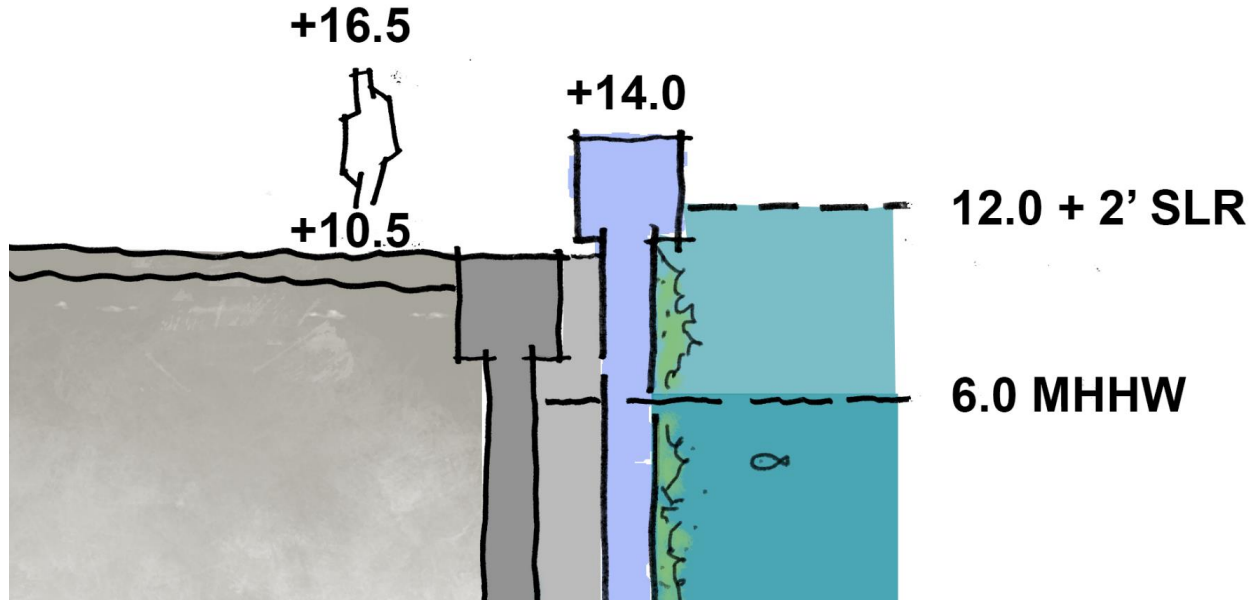
**Finished Floor Elevation



Alameda Shoreline – Near Term Adaptation

Elevated Seawall

Build new Seawall water side of existing wall.
Environmental permits and agency coordination required.



Section 1 – Typical condition at Cardinal Point and Mariner Square Drive



Alameda Concept Plan – Mariner Square to Shipways



OVERLOOK

MARINA ACCESS

LIVING SEAWALL
ELEV. 14

MARINER SQUARE

STORM DRAIN LINES (TYP)

WEBSTER SD
PUMP STATION

CARDINAL
POINT

MARINER SQUARE DR

RAMP, TYP.
1:12

RELOCATE (7)
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UPLAND HABITAT
PLANTING

RELOCATE (20)
PARKING SPACES

NORTHSIDE/MARINA
VILLAGE SD PUMP STATION

LIVING SEAWALL
ELEV. 14

BARNHILL MARINA
FLOATING HOMES

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LEVEE – PLANTED RIPRAP,
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FUTURE
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LEVEE - PLANTED RIPRAP,
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EX. MARINA
RAMP &
GANGWAY

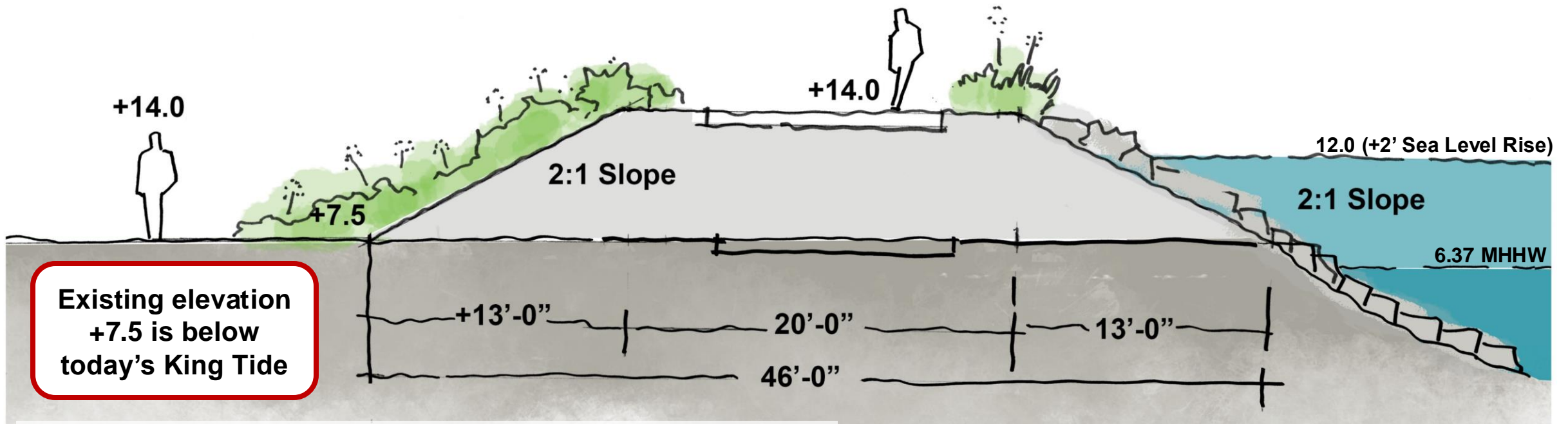
**Finished Floor Elevation



Alameda Shoreline – Near Term Adaptation

Shoreline Levee

Levee elevated to +14.0.
Over 6 feet tall relative to
adjacent grade.



Section 2 – Typical condition at Barnhill Marina

Alameda Concept Plan – Mariner Square to Shipways



**Finished Floor Elevation

Alameda Shoreline

PICNIC AREA

UPLAND HABITAT
PLANTING

LEVEE & IMPROVED
BAY TRAIL

SLOPE ENHANCEMENT & PLANTING FOR ROCK AND
LOG INTERTIDAL HABITAT



Existing Shoreline (elev. 10.5)

View of shoreline protection and improvements near hotel

12.0 (+2'-0" SLR)

6.37 MHHW

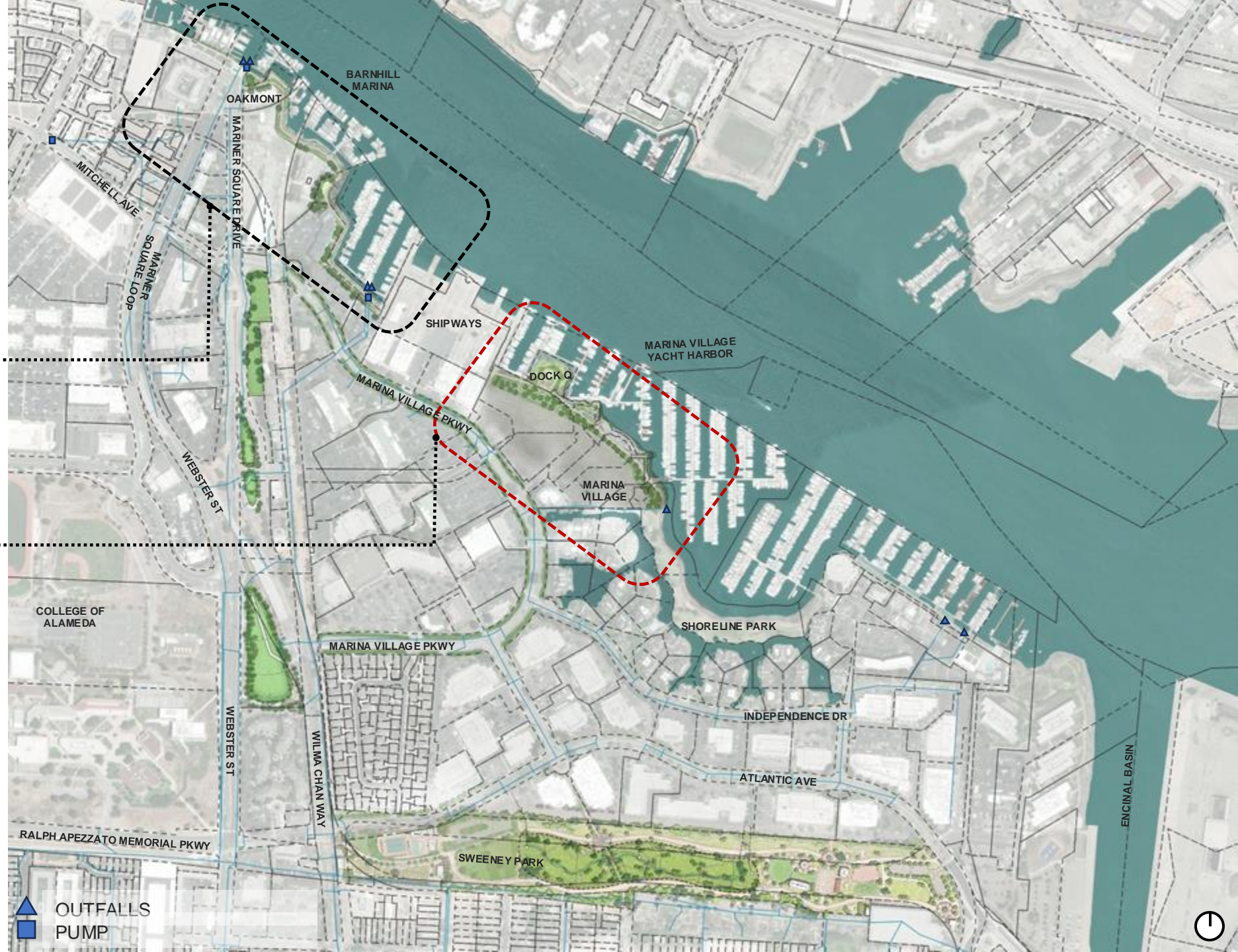


Alameda Near Term Adaptation Concept

Alameda Coastal Flood Protection

MARINER SQUARE TO SHIPWAYS

SHIPWAYS TO MARINA VILLAGE



Alameda Concept Plan – Shipways to Marina Village

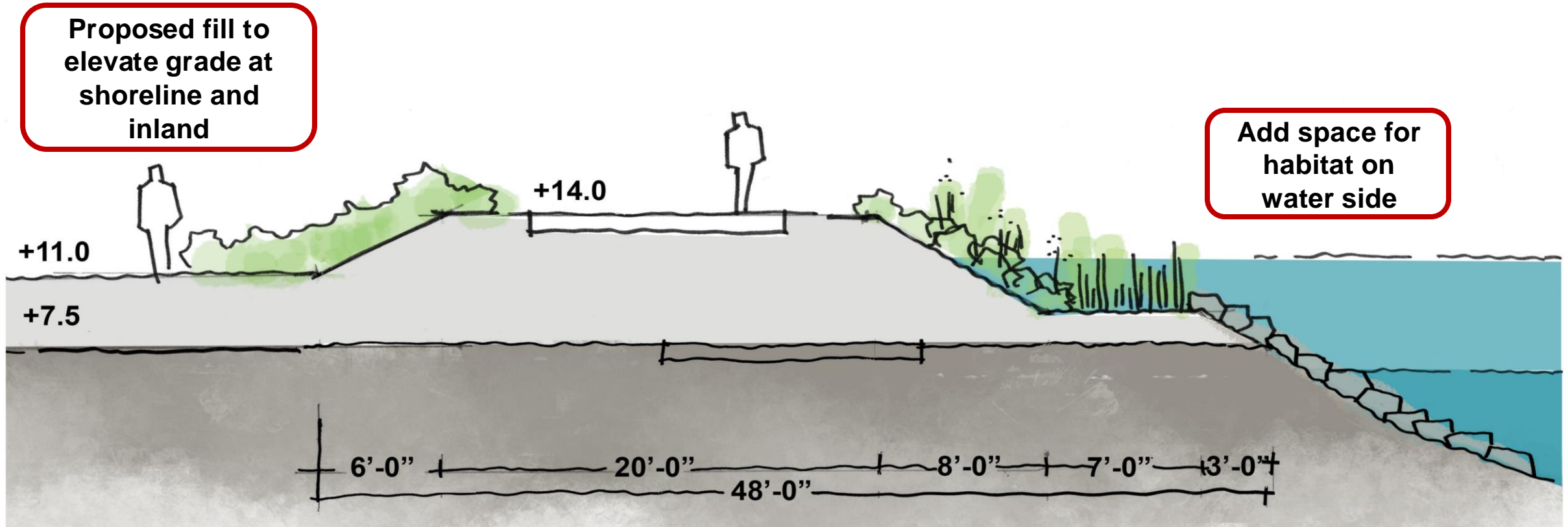


**"Finished Floor Elevation" (estimated)



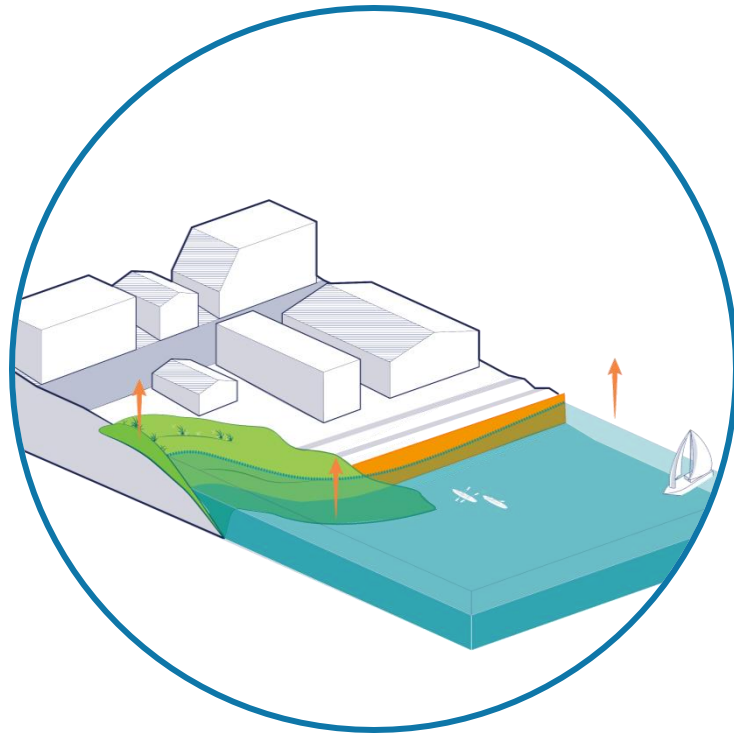
Alameda Shoreline – Near Term Adaptation

Raised Grade at Shoreline and Inland

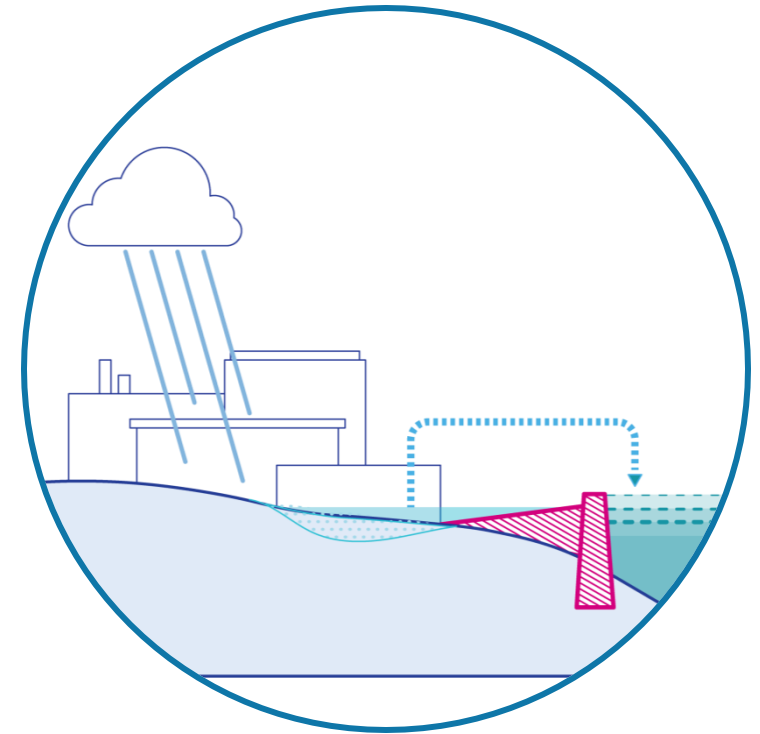


Section 4 – Typical condition at Marina Village

Alameda Northern Shoreline Inland Flood Protection Concept



Elevate shoreline to prevent coastal flooding from sea level rise and storm surges



Inland adaptation (green and grey infrastructure) to manage stormwater and groundwater



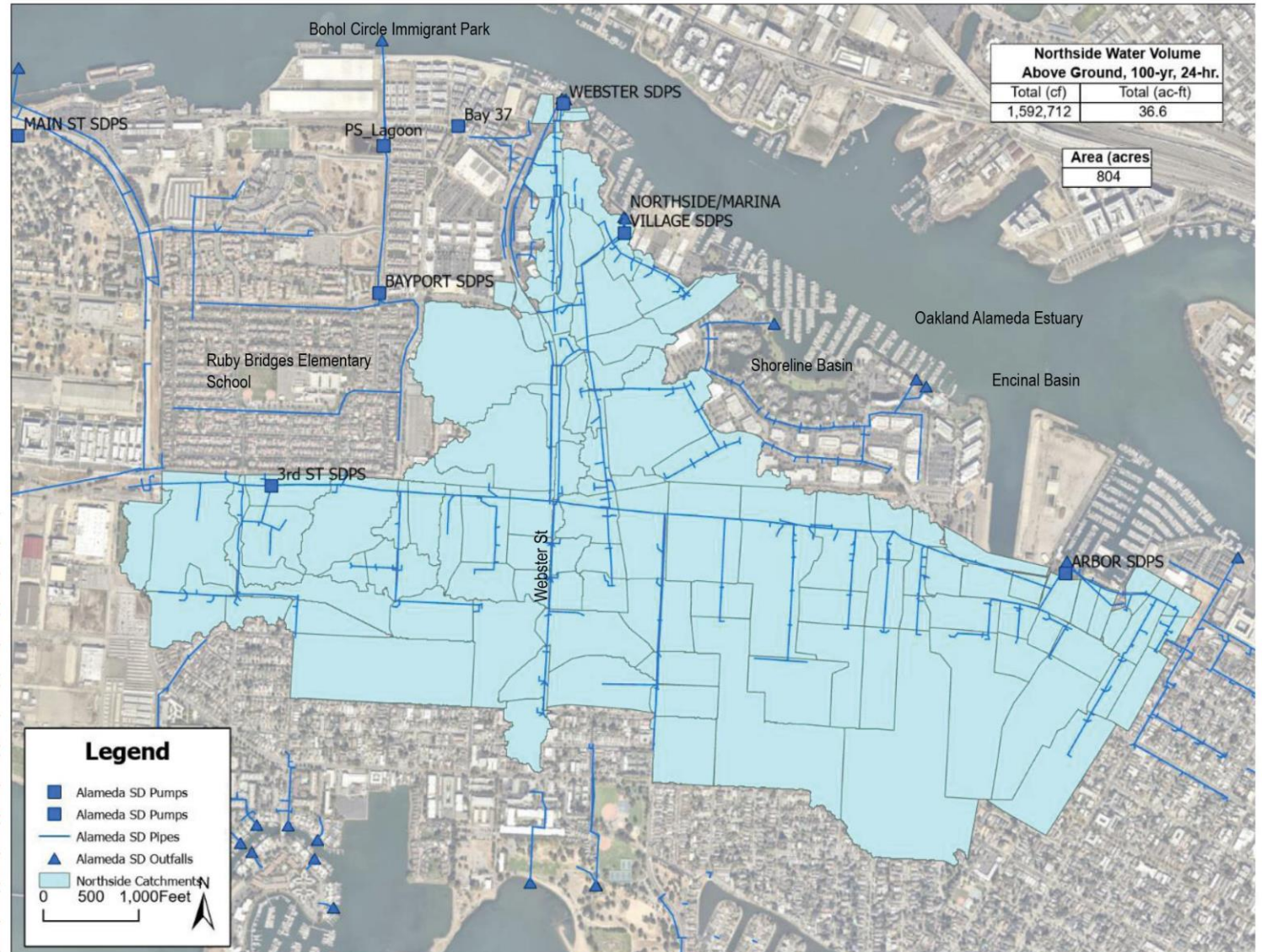
Inland Flooding Analysis

Stormwater Modeling: Northside of Alameda

- Volume of water above ground (stormwater flooding) currently generated by 100-yr, 24-hr storm: 36.6 acre-feet
- This is the volume of water that does not fit in Alameda's storm drain system today.
- Analysis includes stormwater detention for today's volume with added capacity for future increases.

Estimated Future Precipitation % Increase With Climate Change

		10-yr	100-yr
2050	3-hr	21.6%	25.8%
	24-hr	17.9%	22.1%
2060	3-hr	27.8%	32.7%
	24-hr	22.2%	26.8%
2070	3-hr	33.7%	39.3%
	24-hr	25.9%	31.2%
2080	3-hr	40.7%	47.1%
	24-hr	30.7%	36.6%
2090	3-hr	49.6%	56.9%
	24-hr	37.1%	43.7%
2100	3-hr	59.0%	67.2%
	24-hr	43.6%	51.0%



Inland Flooding Conceptual Detention Basin Locations



Conceptual Stormwater Detention Basin Locations

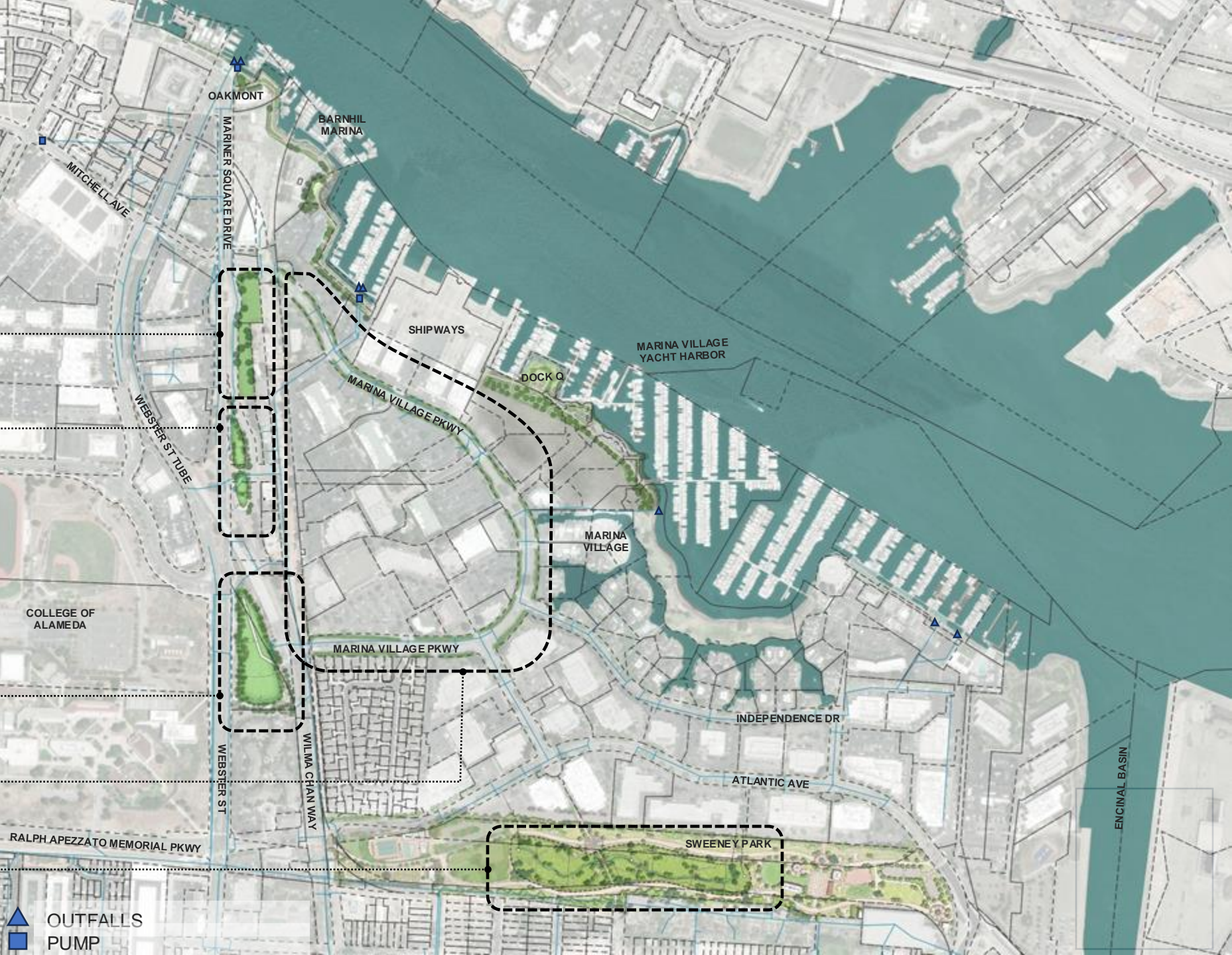
ALAMEDA #1
2 acre-ft

ALAMEDA #2 & #3
2 acre-ft

NEPTUNE PARK
8 acre-ft

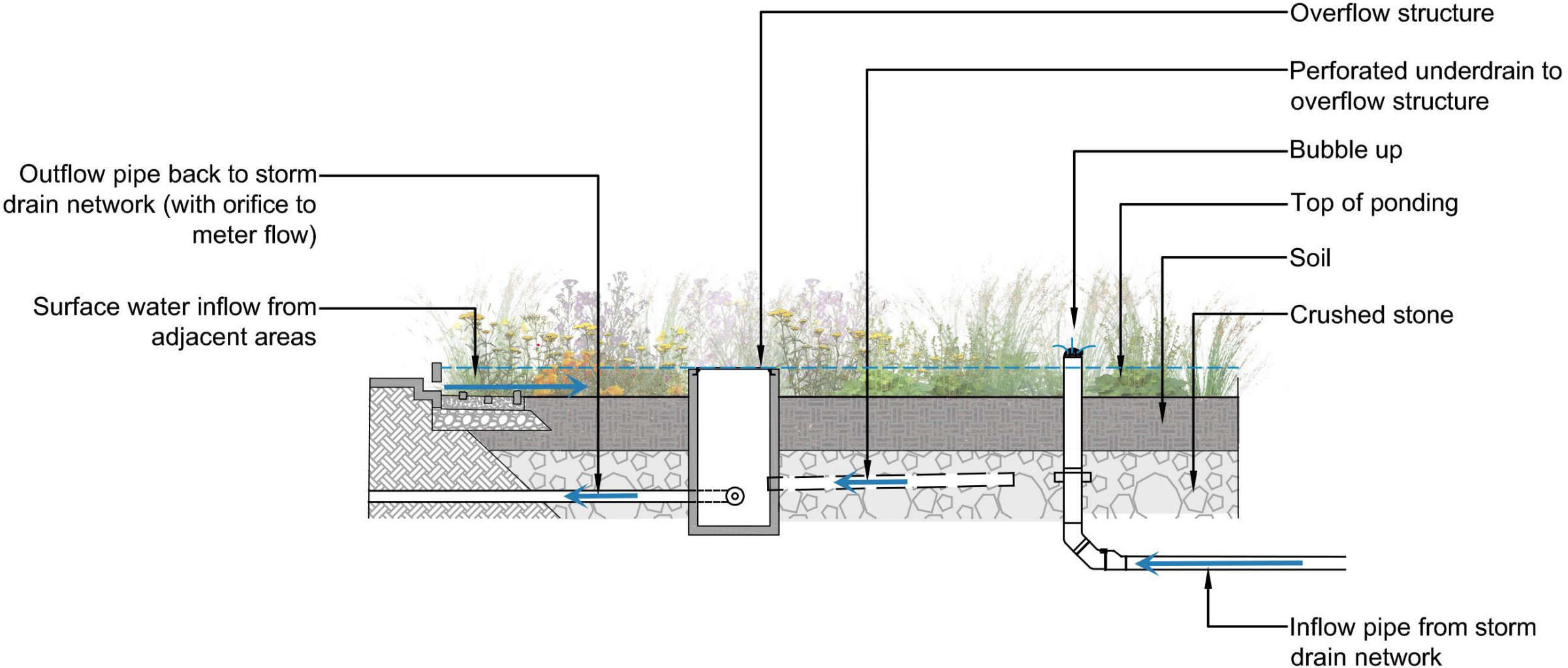
MARINA VILLAGE
PARKWAY RIGHT-OF-WAY
5 acre-ft

JEAN SWEENEY PARK
14 acre-ft



▲ OUTFALLS PUMP
■ PUMP

How the System Would Work





Stormwater treatment garden, Serramonte Library





Stormwater gardens on Yerba Buena Island, San Francisco



Stormwater Basin at Fifth and Eucalyptus Street, Alameda

Stormwater treatment creek, Civita Community Park, San Diego



Conceptual Stormwater Detention Basin Parameters

Location	Type	Area (acres)	Approximate Ground Elevation at Location (ft NAVD88)	Approximate SD Main Ground Elevation at Location (ft NAVD88)	Approximate SD Main Invert Elevation at Location (ft NAVD88)	Target Storage Depth (ft)(1)	Detention Basin Media	Porosity	Depth (ft)	Excavation Depth (ft)(2)	Total Storage Depth (ft)	Storage Volume (acre-ft)	Total Storage Volume (acre-ft)
Jean Sweeney Park	Detention with GI	5.5	17.2	17.0	10.4	5.1	Ponding	1.0	2.6	7.3	5.1	14.4	18
							Soil	0.2	1.5			1.7	
							Stone	0.4	1.0			2.2	
Neptune Park	Detention with GI	2.9	8.7	8.9	2.7	4.7	Ponding	1.0	2.2	6.0	4.7	6.4	8
							Soil	0.2	1.5			0.9	
							Stone	0.4	1.0			1.2	
Marina Village Parkway ROW ₃	ROW GI with Detention	2.0	Varies	Varies	Varies	4.5	Ponding	1.0	2.0	Varies	4.5	3.9	5
							Soil	0.2	1.5			0.6	
							Stone	0.4	1.0			0.8	
City of Alameda ROW ₄	ROW GI with Detention	0.3	Varies	Varies	Varies	4.5	Ponding	1.0	2.0	Varies	4.5	0.6	1
							Soil	0.2	1.5			0.1	
							Stone	0.4	1.0			0.1	
Alameda #1	Detention with GI	1.3	7.9	6.6	2.7	2.4	Ponding	1.0	0.9	5.3	2.4	1.2	2
							Soil	0.2	1.5			0.4	
Alameda # 2 and #3	Detention with GI	0.8	7.8	7.3	2.0	3.8	Ponding	1.0	1.3	3.9	3.8	1.0	2
							Soil	0.2	1.5			0.2	
							Stone	0.4	1.0			0.3	
College of Alameda #1A & #1B	Detention with GI	4.5	10.5	10.8	2.0	7.3	Ponding	1.0	4.8	7.00	7.3	21.6	25
							Soil	0.2	1.5			1.4	
							Stone	0.4	1.0			1.8	
College of Alameda #2	Detention with GI	1.4	9.0	8.0	3.4	3.1	Ponding	1.0	0.6	4.08	3.1	0.8	2
							Soil	0.2	1.5			0.4	
							Stone	0.4	1.0			0.5	
College of Alameda #3A-#3F	Grey Detention	15.1	15.0	11.5	2.7	7.3	Modular Storage	0.95	4.0	7.49	4.0	57	57
Bay Eagle Park	Detention with GI	0.6	9.0	9.9	3.7	4.7	Ponding	1.0	2.2	3.76	4.7	1.3	2
							Soil	0.2	1.5			0.2	
							Stone	0.4	1.0			0.2	
Parking Lot - Marina Village Parkway	Detention with GI	1.6	9.0	10.0	5.4	3.1	Ponding	1.0	0.6	2.06	3.1	1.0	2
							Soil	0.2	1.5			0.5	
							Stone	0.4	1.0			0.6	
REAP #1 (to Webster PS)	Detention with GI	1.2	4.5	6.9	2.7	2.7	Ponding	1.0	1.7	0.32	2.7	2.0	2
							Soil	0.2	1.0			0.2	
REAP #2 & #3 (to Marina PS)	Detention with GI	1.5	6.0	8.2	-0.8	7.5	Ponding	0.6	5.0	5.31	7.5	4.5	6
							Soil	0.2	1.5			0.5	
							Stone	1.0	1.0			1.5	
Total													132



**City of Alameda
Owned Land
36 acre-ft**



Conceptual Stormwater Detention Basin Locations

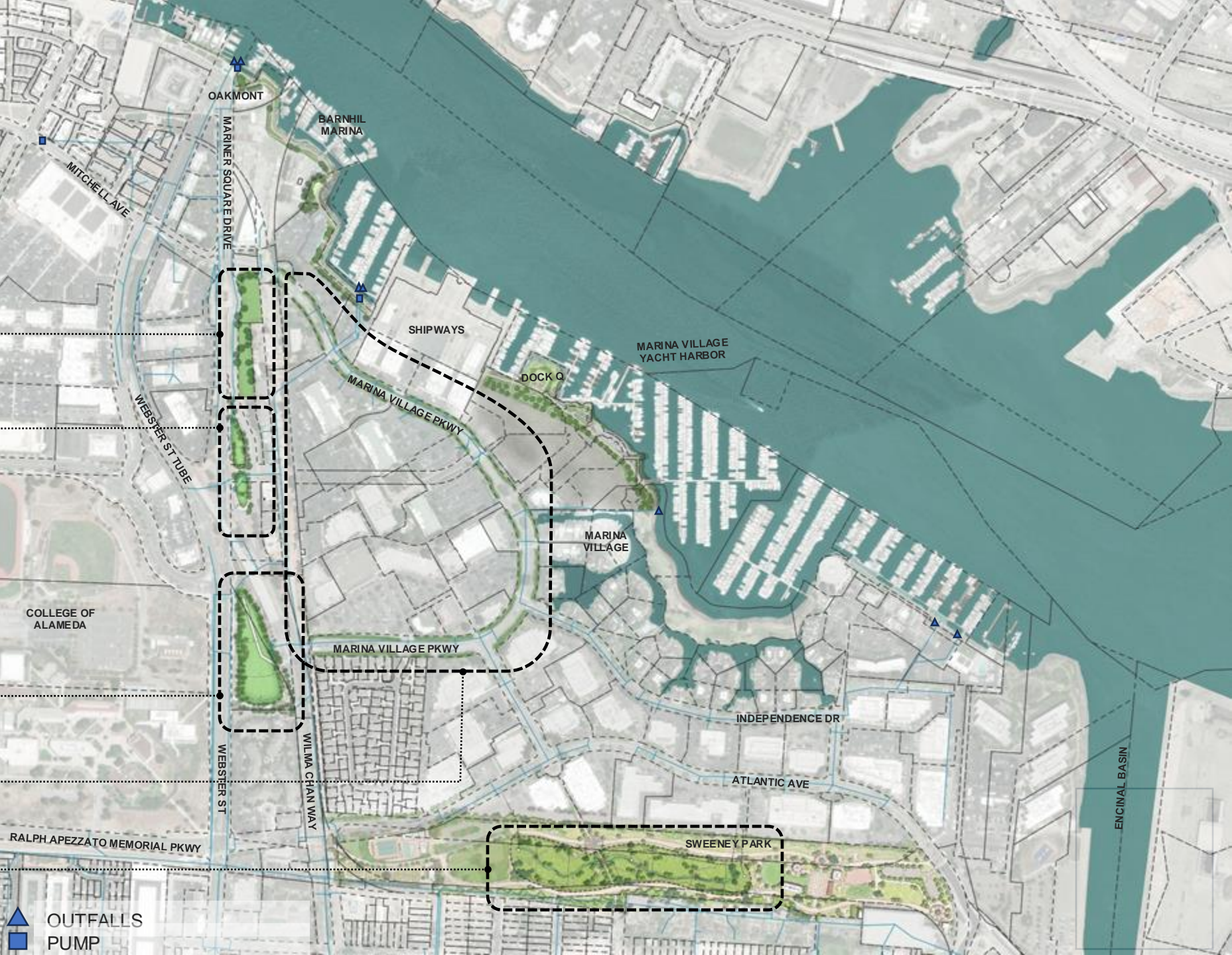
ALAMEDA #1
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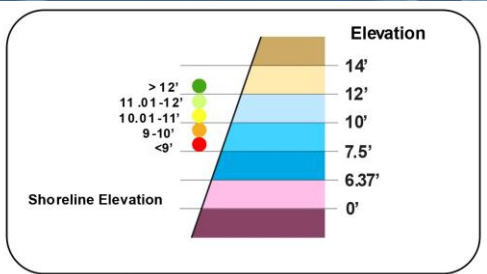
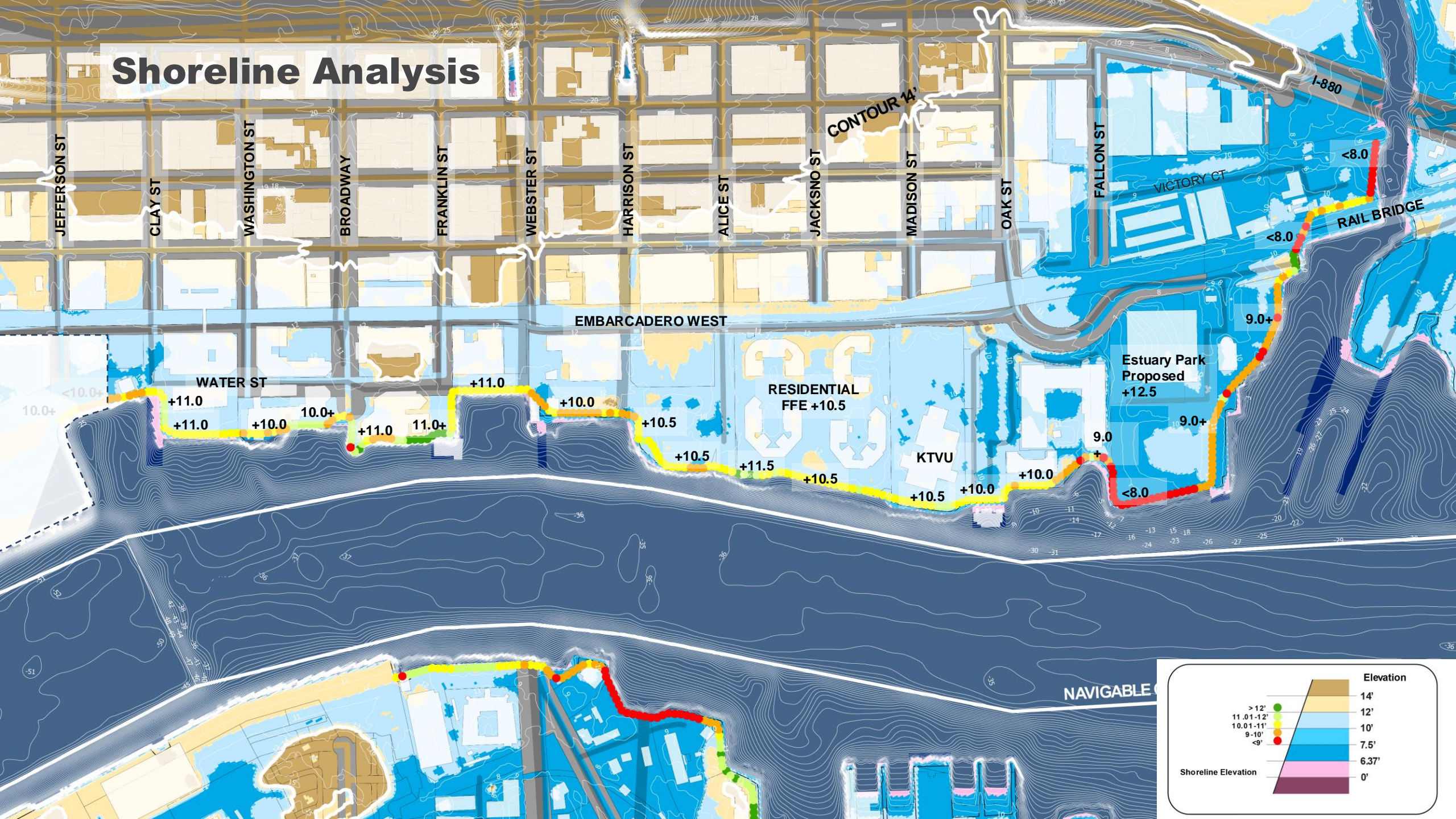
▲ OUTFALLS PUMP
■ PUMP

Oakland Coastal Flood Protection Concept

*Alice Street to Lake
Merritt Channel*



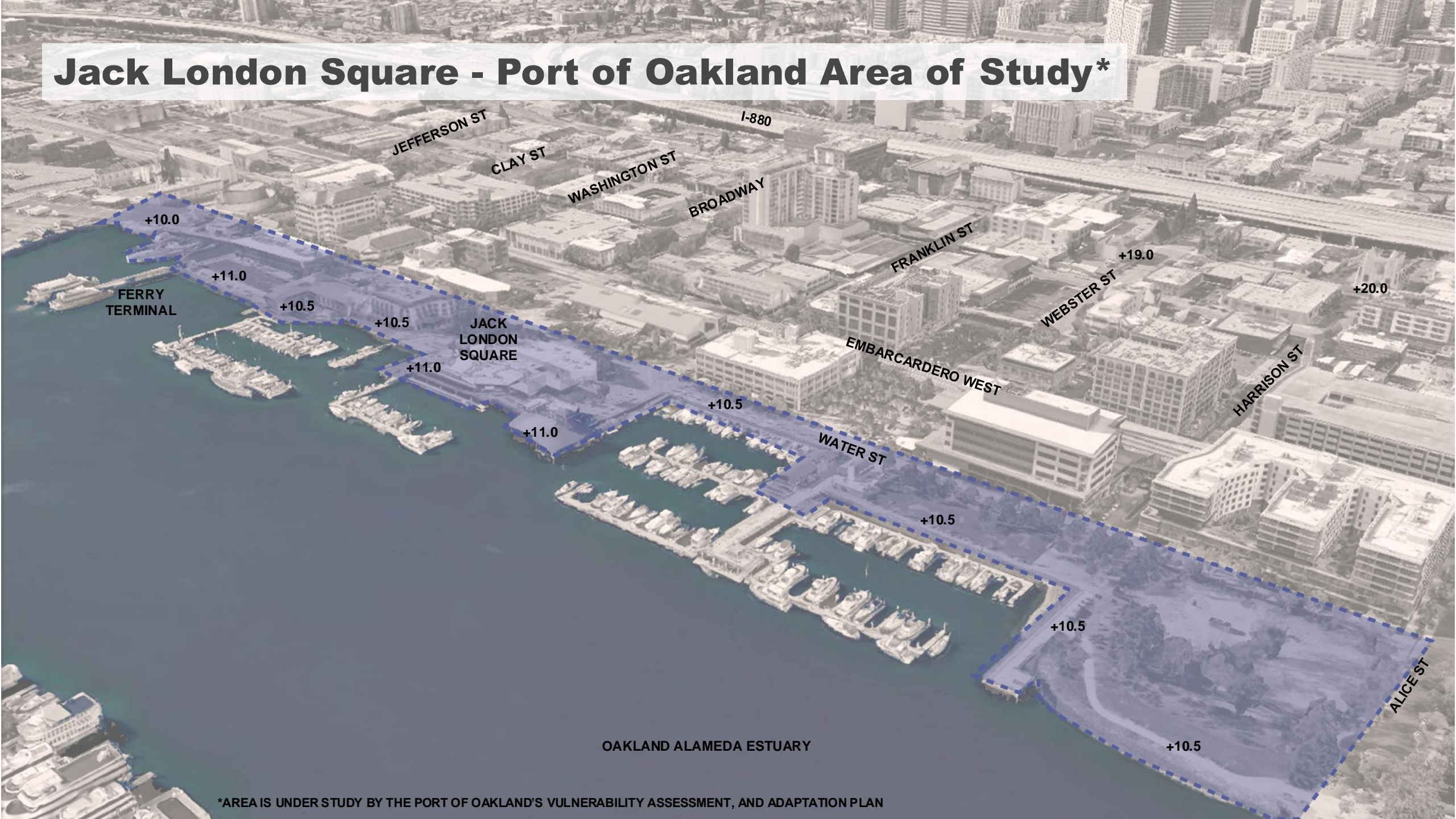
Shoreline Analysis



Alice Street to Lake Merritt Channel – Existing Site

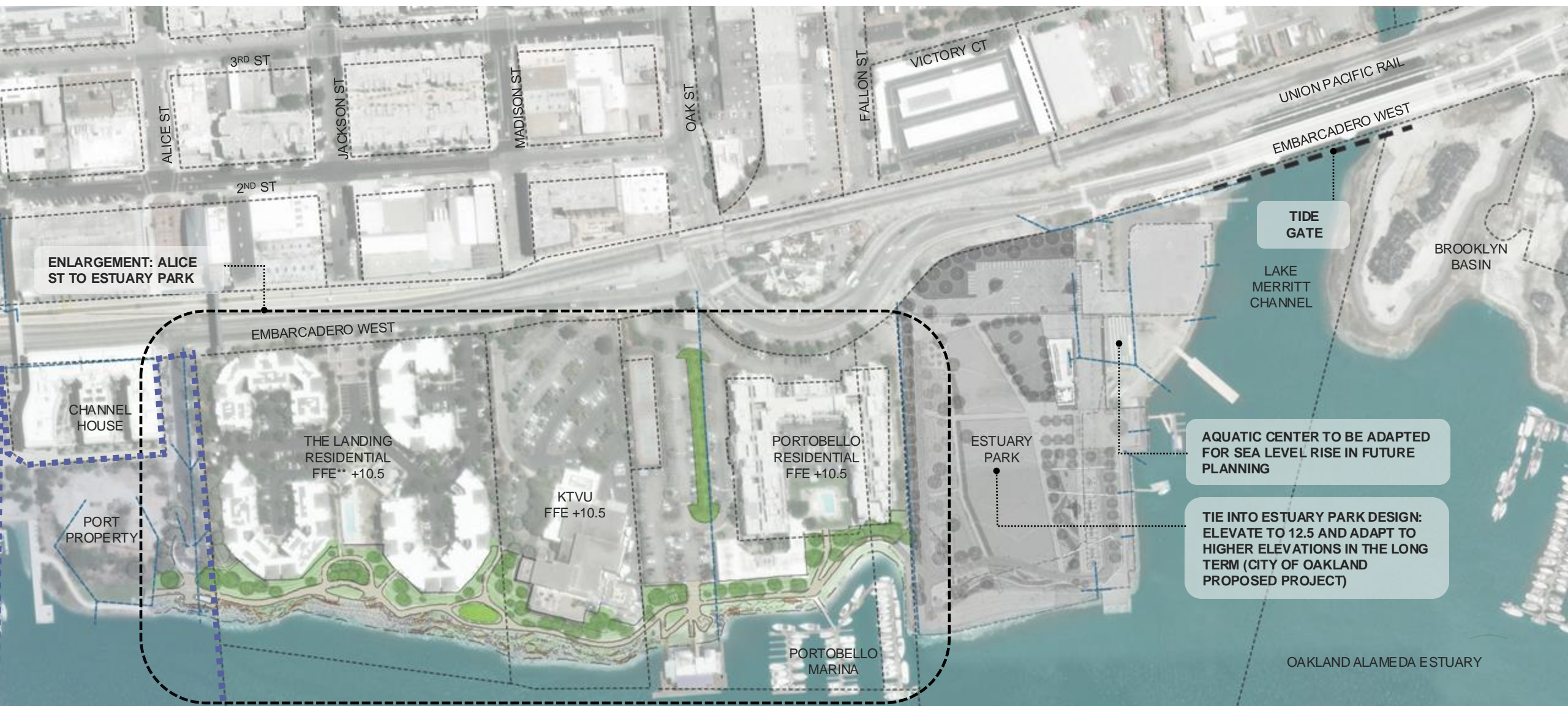


Jack London Square - Port of Oakland Area of Study*



*AREA IS UNDER STUDY BY THE PORT OF OAKLAND'S VULNERABILITY ASSESSMENT, AND ADAPTATION PLAN

Oakland Concept Plan



ENLARGEMENT: ALICE ST TO ESTUARY PARK

TIDE GATE

AQUATIC CENTER TO BE ADAPTED FOR SEA LEVEL RISE IN FUTURE PLANNING

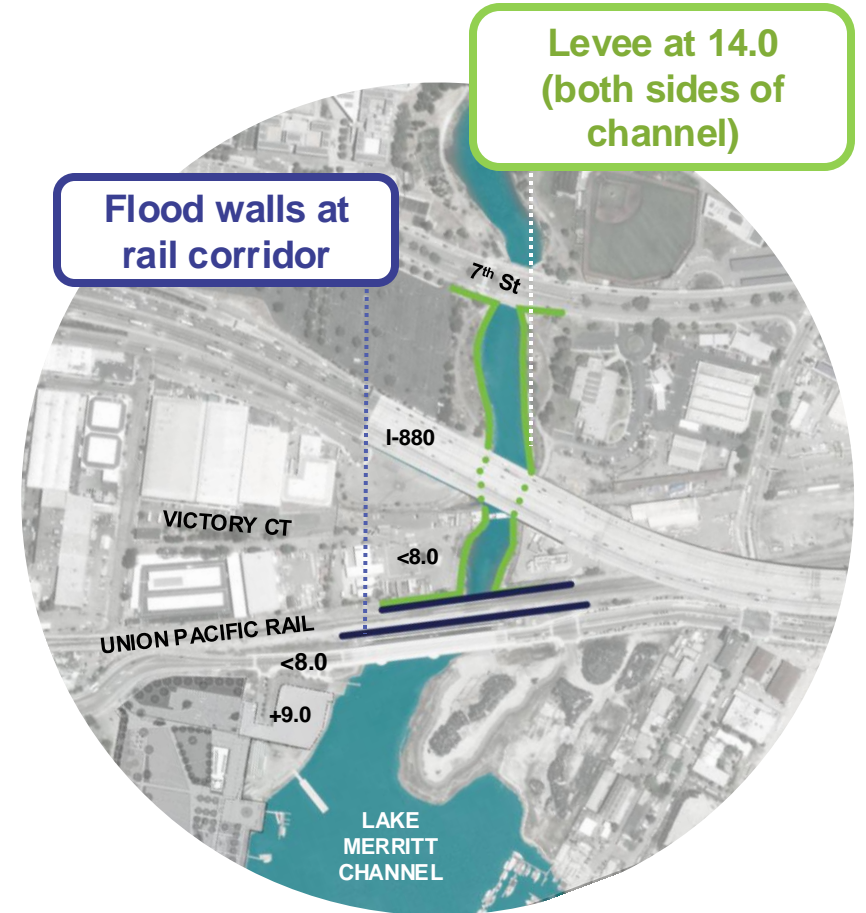
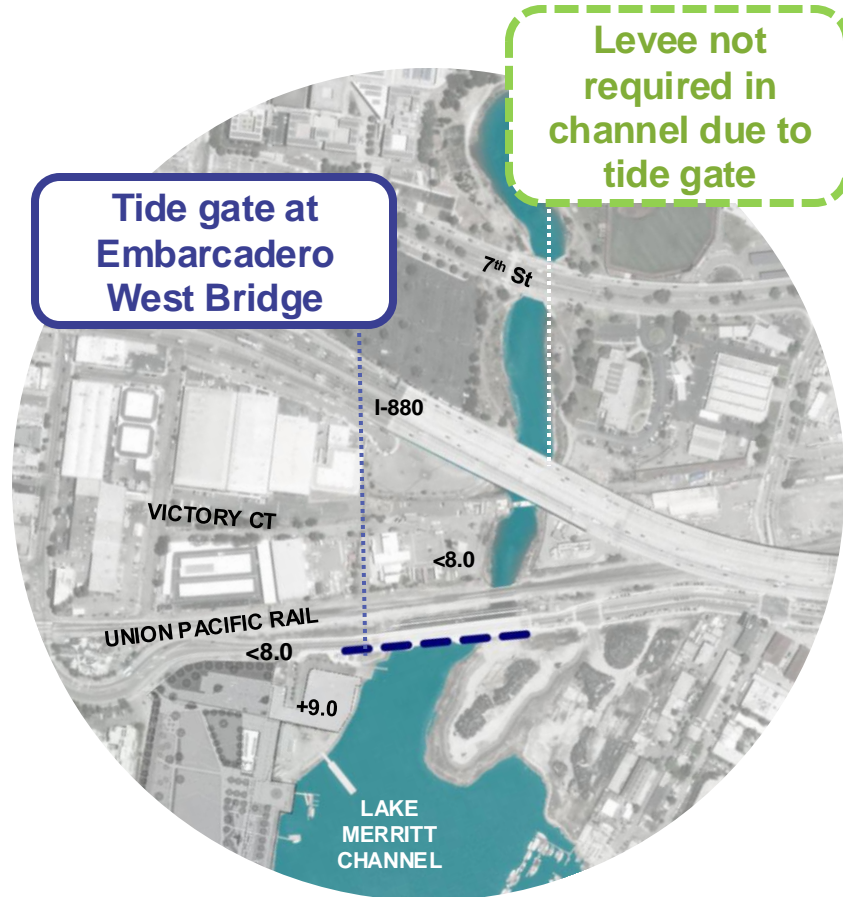
TIE INTO ESTUARY PARK DESIGN: ELEVATE TO 12.5 AND ADAPT TO HIGHER ELEVATIONS IN THE LONG TERM (CITY OF OAKLAND PROPOSED PROJECT)

*This adaptation alternative is developed to a conceptual planning level only. Port properties in this area are under study by the Port of Oakland's Vulnerability Assessment, and Adaptation Plan
 **"Finished Floor Elevation" (estimated)

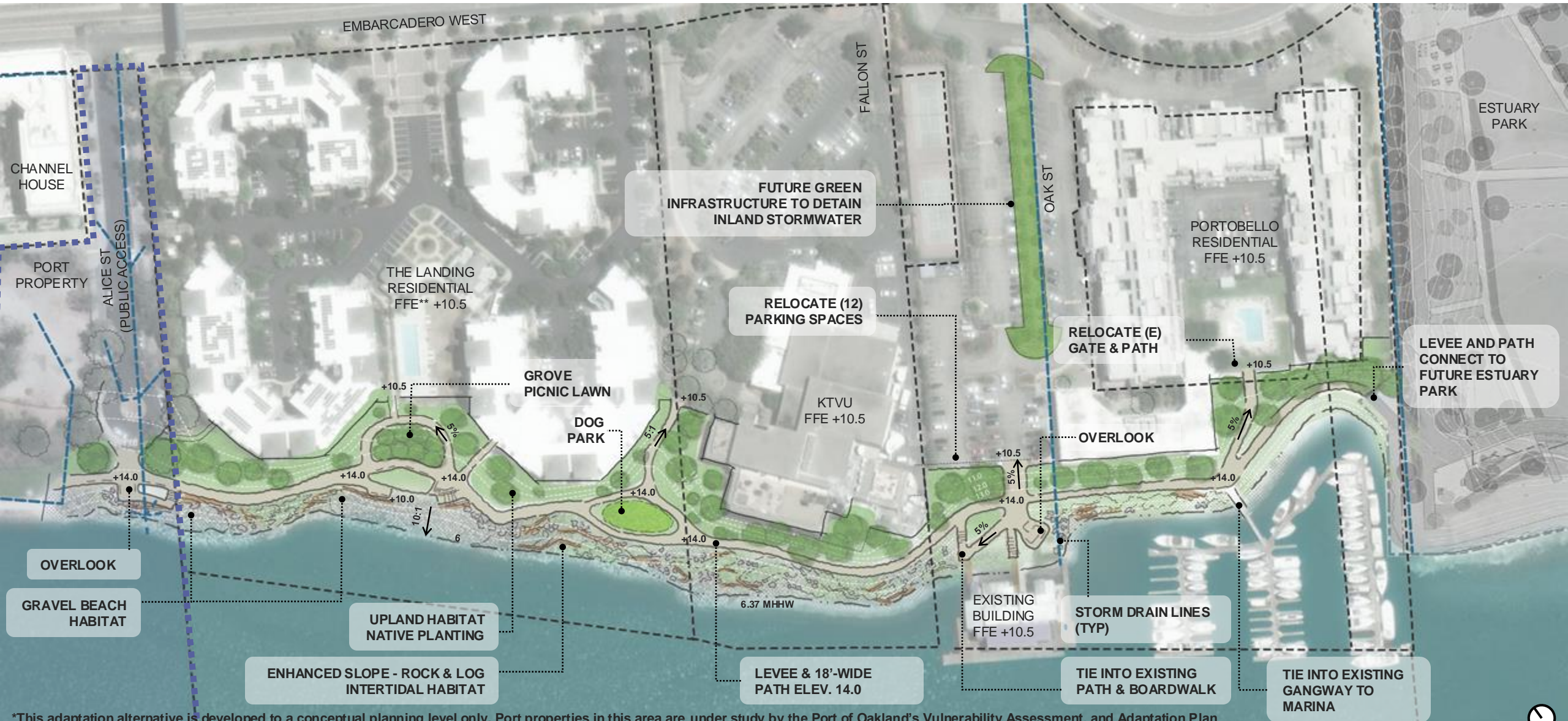


Oakland Concept

Alternative to Tide gate at Lake Merritt Channel:
Flood Walls at Union Pacific Rail Bridge

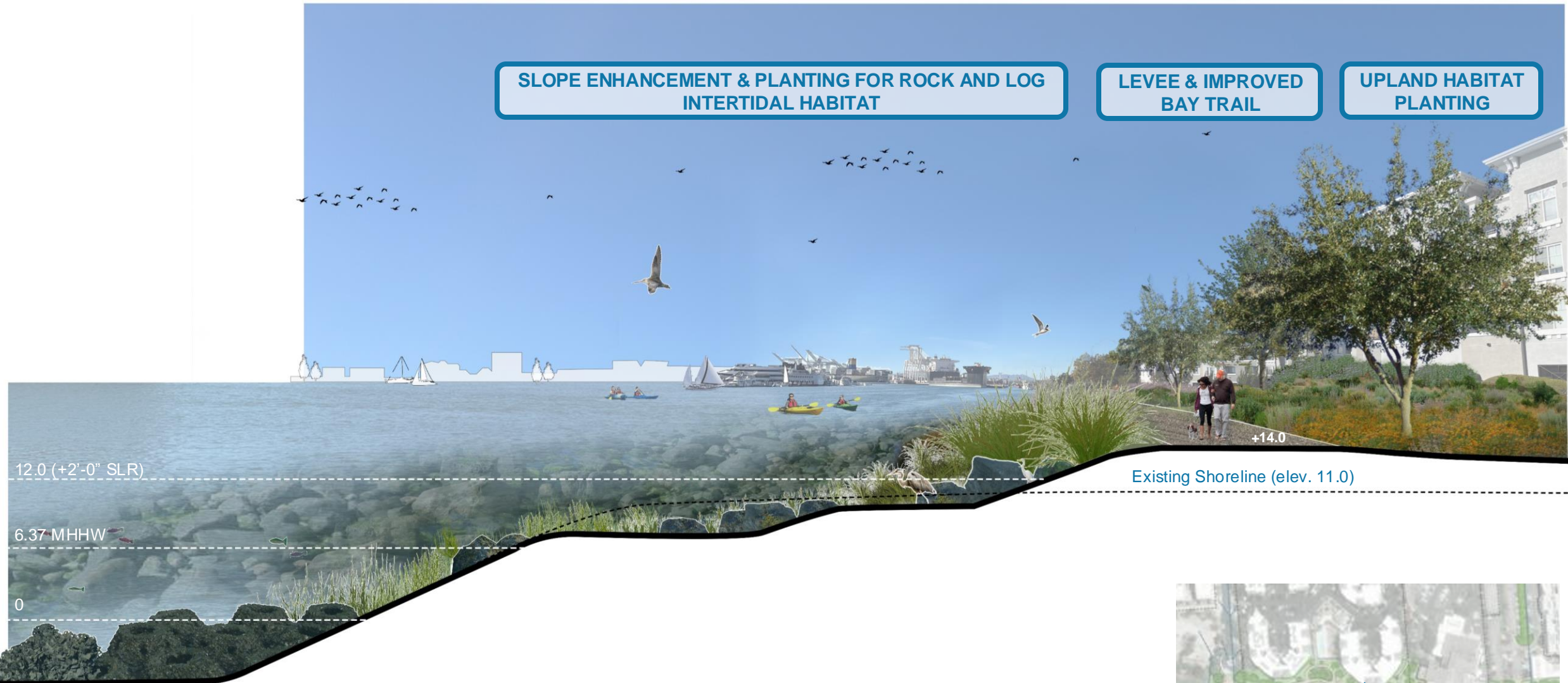


Oakland Concept Plan – Alice St to Estuary Park



*This adaptation alternative is developed to a conceptual planning level only. Port properties in this area are under study by the Port of Oakland's Vulnerability Assessment, and Adaptation Plan
 **"Finished Floor Elevation" (estimated)

Oakland Shoreline



Next Steps: Design, Permitting, Funding



Design

- Alameda City Council Endorsement of OAAC Design Concept - Jan 21
- City of Oakland Storm Drainage Master Plan – underway
- Port of Oakland Vulnerability Assessment, and Adaptation Plan – underway

Funding & Permitting

- Currently pursuing various state and federal grants for green infrastructure design and implementation
- Pursuing grant funding to support advancing the shoreline conceptual design to 30% and environmental permitting



Survey #2



Q&A

Add your questions to the chat!



Next Steps & Call to Action



Stay engaged! Bring your voice (and your friends) to the table. We will need community involvement and input to advance this work. **Please join us at the following events:**

City of Alameda (attend virtually or in person)

- Commission on Persons with Disabilities - Dec 11th at 6:30pm
- Planning Board - Dec 16th at 7 pm
- City Council - Jan 21st at 7 pm

Community Groups

- King Tides Walk with CASA – December 14, 2024 / Crab Cove
- Ninth Root and Sacred Spaces engagement events

Future OAAC ADAPT Events

- Join us in Spring 2025 for community workshops on the long-term plan! Check out the OAAC Adapt website for more information: <https://www.oaacadapt.org/>



Thank you!

<https://www.oaacadapt.org/>



Alameda Inland Flooding – Detention Basin Concept Plans Neptune Park

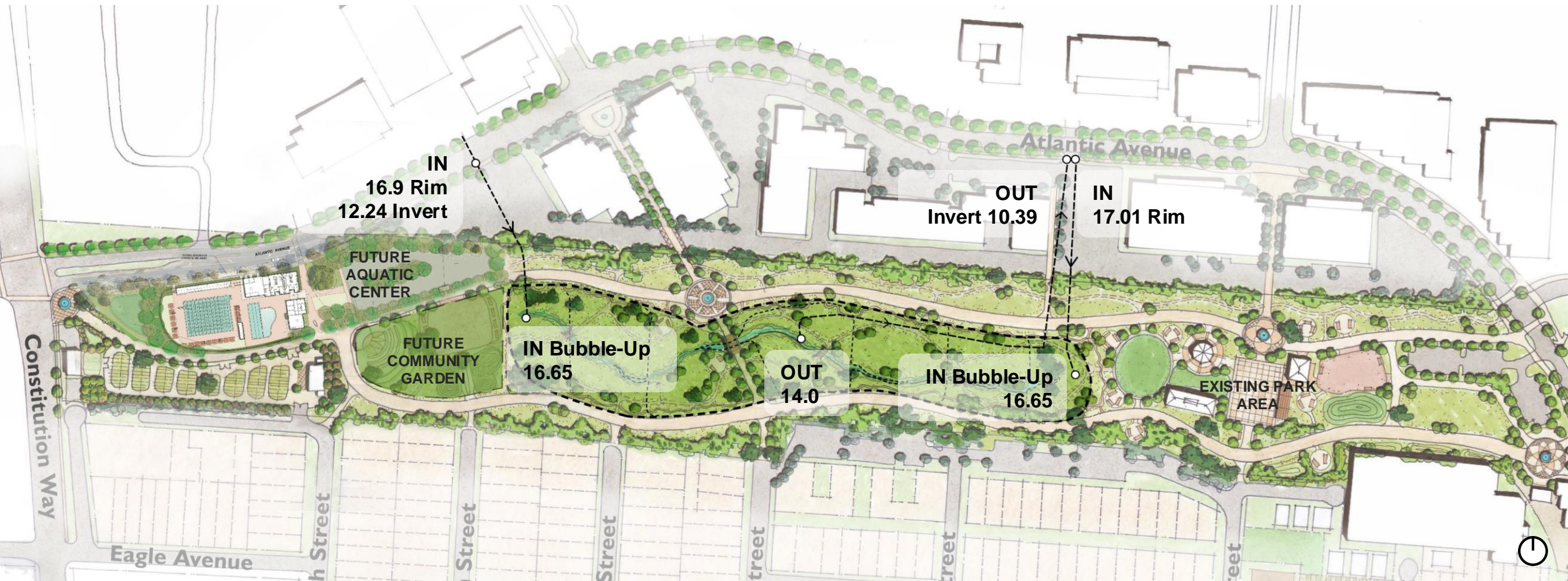














Alameda Inland Flooding – Detention Basin Concept Plans

Alameda #2 & #3



Jean Sweeney Park



- | | | | | | |
|---|--------------------------|---|-------------------------|---|---------------------|
|  | Fruit Tree Orchard |  | Fountain |  | Natural Landscape |
|  | Existing Oak Trees |  | Water & Dry Creek |  | Lawn Area |
|  | Park Structure |  | Foot Bridge |  | Existing Vegetation |
|  | 1 Mile Trail & Bike Loop |  | Plaza or Special Paving |  | Community Garden |