

Waterfront Resilience Program (WRP) and Islais Creek Southeast Mobility Adaptation Strategy (ICSMAS) Updates

Co-hosted by: San Francisco Public Housing
Tenants Association

Date: May 6, 2021



Waterfront Resilience Program

San Francisco
Planning

TODAY'S AGENDA

Presentation Overview



- Welcome and Intros
- Presentation with Q&A breaks
 - Recap of Islais Work and Community Goals
 - Adaptation Strategies Overview
- Next Steps

We'll be asking for your feedback along the way!

QUICK LOOK BACK

We Connected on Zoom in December 2020



- Shared Waterfront Resilience Program updates
- Highlighted Islais Creek Southeast Mobility Adaptation Strategy
- Introduced "measures"
- Shared key goals and priorities from community and stakeholder engagement

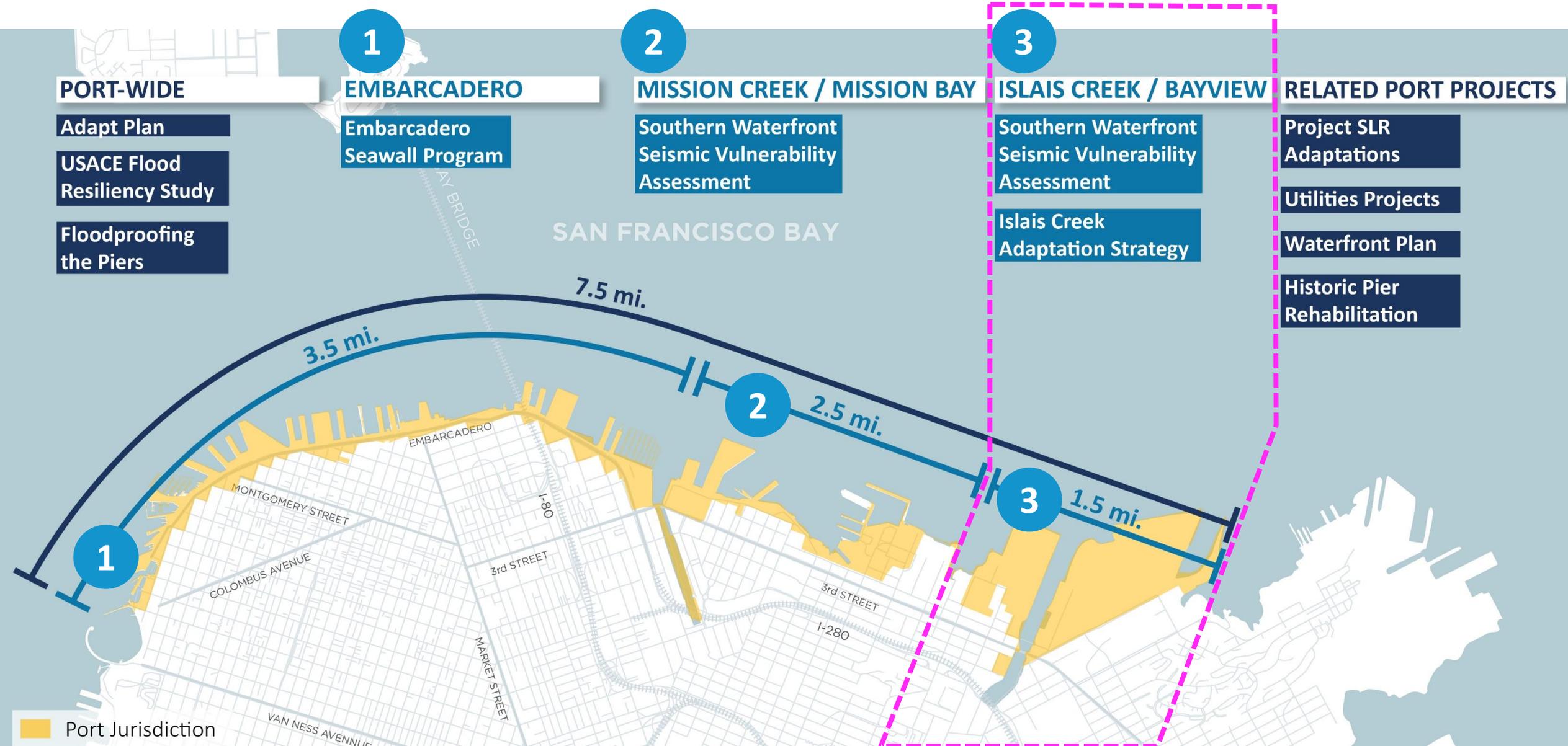
WATERFRONT RESILIENCE PROGRAM

Goal Statement

The Port's Waterfront Resilience Program will take actions to **reduce seismic and climate change risks** that support a safe, equitable, sustainable, and vibrant waterfront.



WATERFRONT RESILIENCE PROGRAM & CITY EFFORTS



U.S. ARMY CORPS OF ENGINEERS (USACE) FLOOD RESILIENCY STUDY

Overview and Key Highlights



- Port is local sponsor
- Study runs 2018–2025
- Flood risk assessment
- Ongoing robust community and stakeholder input
- If the Federal government partners with the Port on a project, they will contribute 65% of its cost

ISLAIS CREEK SOUTHEAST MOBILITY & ADAPTATION STRATEGY

Overview and Key Highlights



- SF Planning in partnership with Port, SFMTA, SFPUC
- Study runs 2018–2021 (Caltrans grant due June)
- Novel combined flood modeling
- Community engagement
- Long-range vision for the Islais Creek shoreline and district with near- and mid-term strategies to address sea level rise & flooding

ISLAIS CREEK - VISION AND COMMUNITY GOALS

“Islais Creek adapts to flood risks while ensuring healthy and resilient communities”



- A socially & environmentally resilient neighborhood
- Authentic & transparent public engagement during & beyond planning
- A transportation system that is resilient & adaptable to flood risk
- A healthy environment for residents, workers & ecologies
- A sustainable economy that benefits local residents, workers & industries

WE WANT TO HEAR FROM YOU!

Let's Pause for Questions



- What questions do you have about the Waterfront Resilience Program?

MAY 2021

ISLAIS CREEK SOUTHEAST MOBILITY ADAPTATION STRATEGY (ICSMAS)



CORE TEAM:

Lisa Fisher, ICSMAS Project Director
Resilience & Sustainability Lead, Planning

Luiz Barata, ICSMAS Project Manager
City Design, Planning

Tim Doherty, Manager: Policy and
Long-Range Planning, SFMTA

Kari Kilstrom, *Special Projects, Port*

Sarah Minick, *Utility Planning Manager,
SFPUC Wastewater*

CONSULTANTS: AECOM, Silvestrum, Fehr &
Peers, Lotus Water, Civic Edge, Andrea
Baker Consulting



ICSMAS PROJECT PROCESS & TIMELINE

2019–April 2021

- Existing Conditions Analysis
- Combined Flood Model
- Key Assets Selection
- Engagement
 - ✓ 3 In-Person Workshops
 - ✓ I Am Islais Campaign
 - ✓ Community Vision & Goals
 - ✓ Walking Tour
 - ✓ Y-Plan Youth Engagement
 - ✓ CBO Meetings
- Adaptation (Exploratory) Scenarios

May 2021

- Adaptation Strategies & Pathways
 - Asset Scale
 - District Scale
- Engagement
 - ✓ CBO Meetings
 - ✓ Stakeholder Circle-Back Event
 - ✓ Commission & Board Hearings
- Economic Analysis
- Implementation & Financing Strategy

June 2021

- Final Materials
 - Incorporate Comments
 - Final report to Caltrans

ONGOING Multi-Agency Coordination & Integration

ISLAIS CREEK **ENGAGEMENT PRINCIPLES**

- Ensure accessible, inclusive, diverse, meaningful & transparent process & communications
- Acknowledge today's realities and stresses, including COVID-19
- Co-create goals for the district with the community to guide flood resilience strategies
- Pursue public adaptation investments that maximize community benefits
- Establish easy opportunities for ongoing dialogue across Islais projects



I AM

ISLAIS

ISLAIS CREEK
ADAPTATION
STRATEGY

"The climate is changing and I want to protect my cousin. She lives down the hill and the flood can get to her. We have to stay together as a community to be prepared for floods."



COMMUNITY FEEDBACK: ISLAIS CREEK "ASSET MAPPING" EXERCISE

What people love about the waterfront



- Bayview Opera House
- Candlestick Point
- Neighborhoods
- Parks & Open Space
- Heron's Head
- Water Access
- Families & Communities
- Schools
- Community Based Organizations

Important assets & facilities



- Housing
- Jobs & Workforce Development
- Commercial Corridors & Local Industry
- Critical Facilities
- Transportation
- Third Street Bridge
- Utilities
- Wastewater/ Sewage

Concerns during a disaster



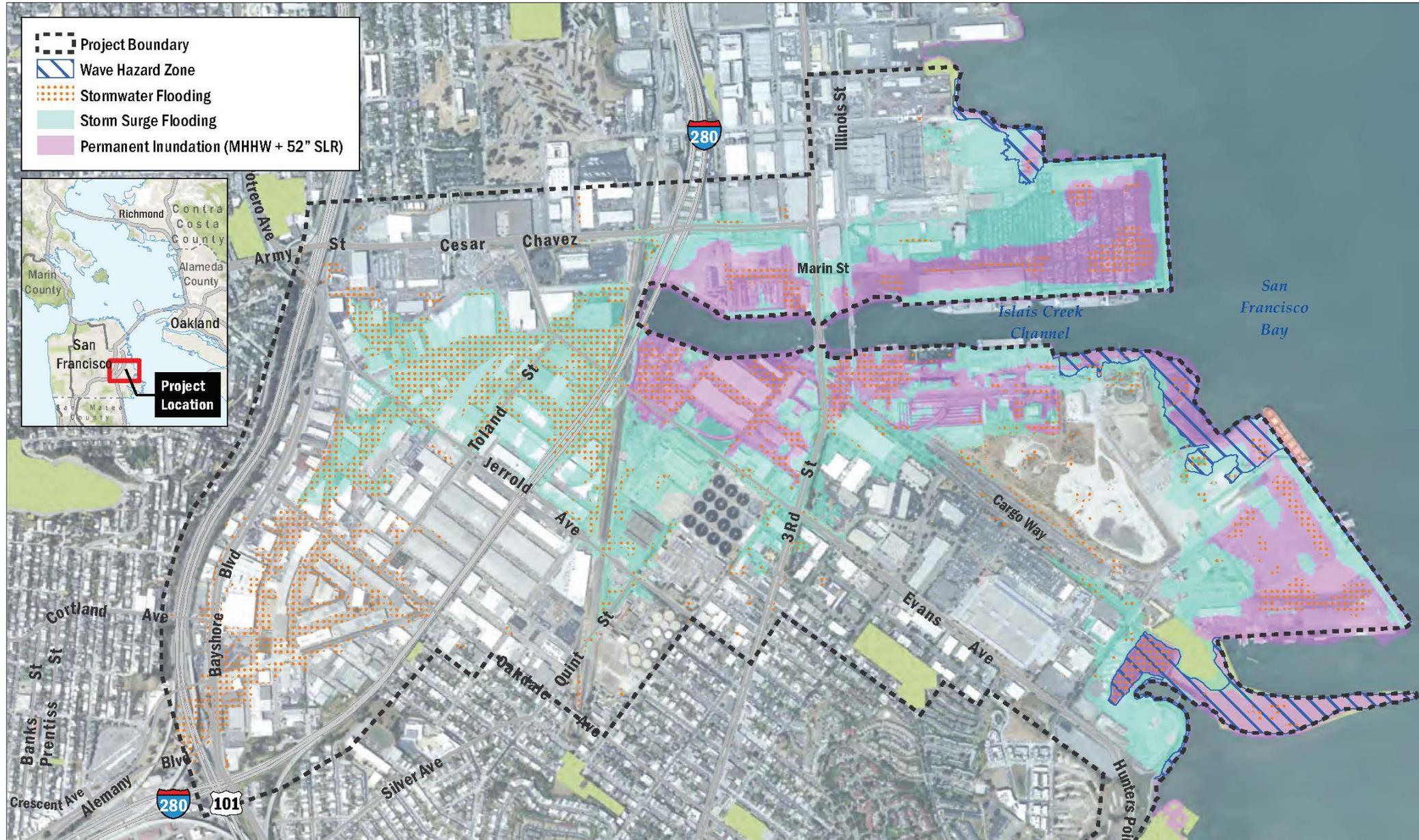
- Emergency Response
- Transportation
- Hospital Access
- Neighborhood Function
- Water Quality
- Contaminated lands
- Bayview/Hunters Point

TECHNICAL ANALYSIS

**2080:
52" SLR +
42" COMBINED
FLOODING =
94" HAZARD**

FLOODING:

- STORMWATER
- KING TIDE
- STORM SURGE
- WAVE RUN-UP



KEY CITY ASSETS



1 Islais Creek Bus Facility



2 Marin Yard



3 Islais Creek Bridge



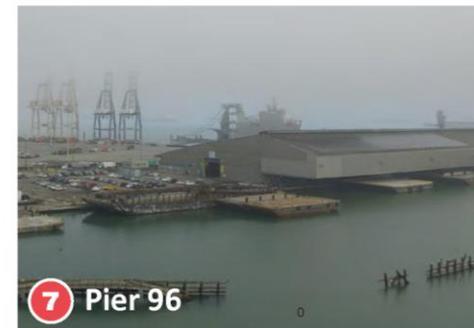
4 Illinois Street Bridge



5 Pier 80



6 Pier 90-96 Backlands

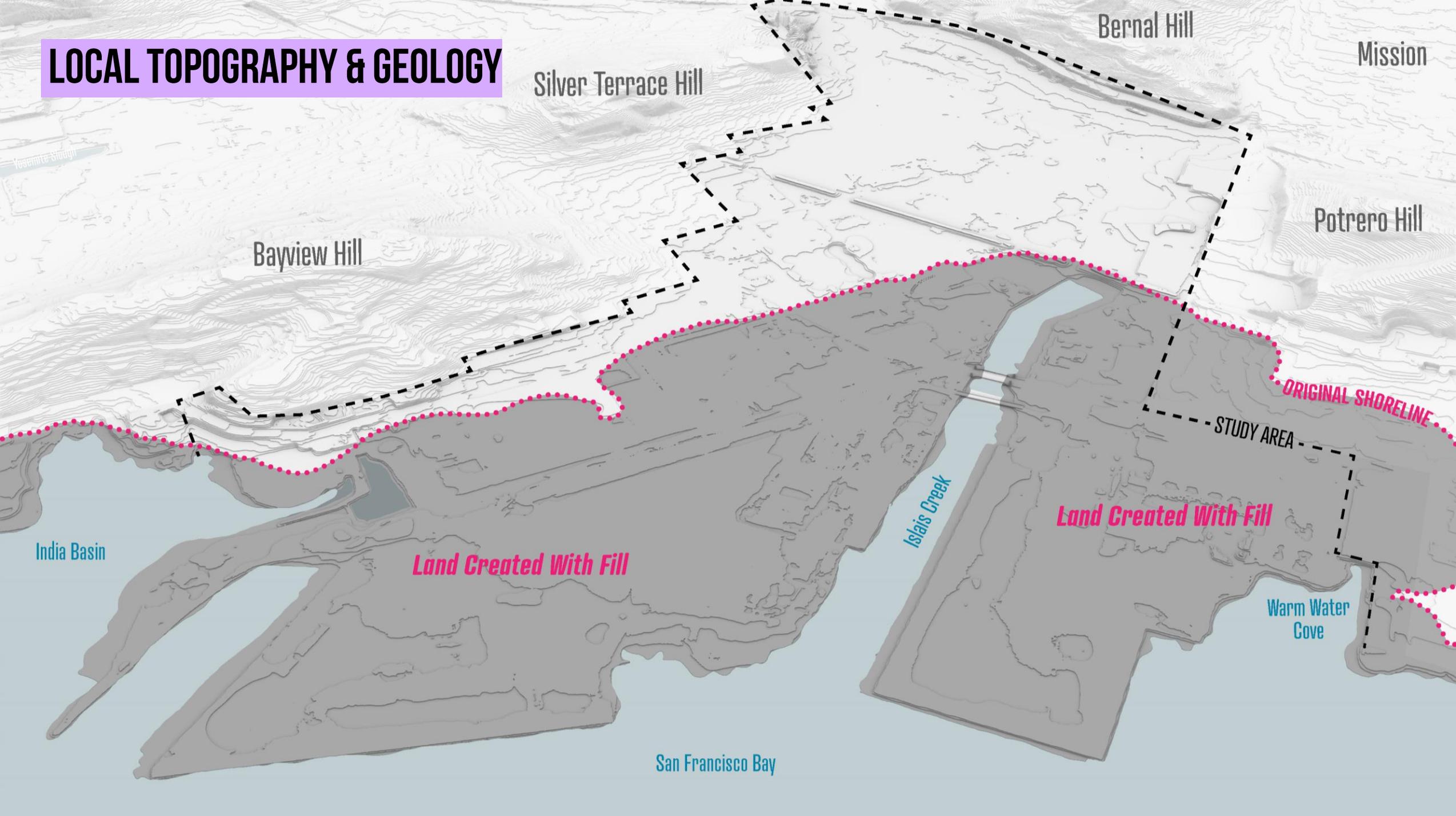


7 Pier 96

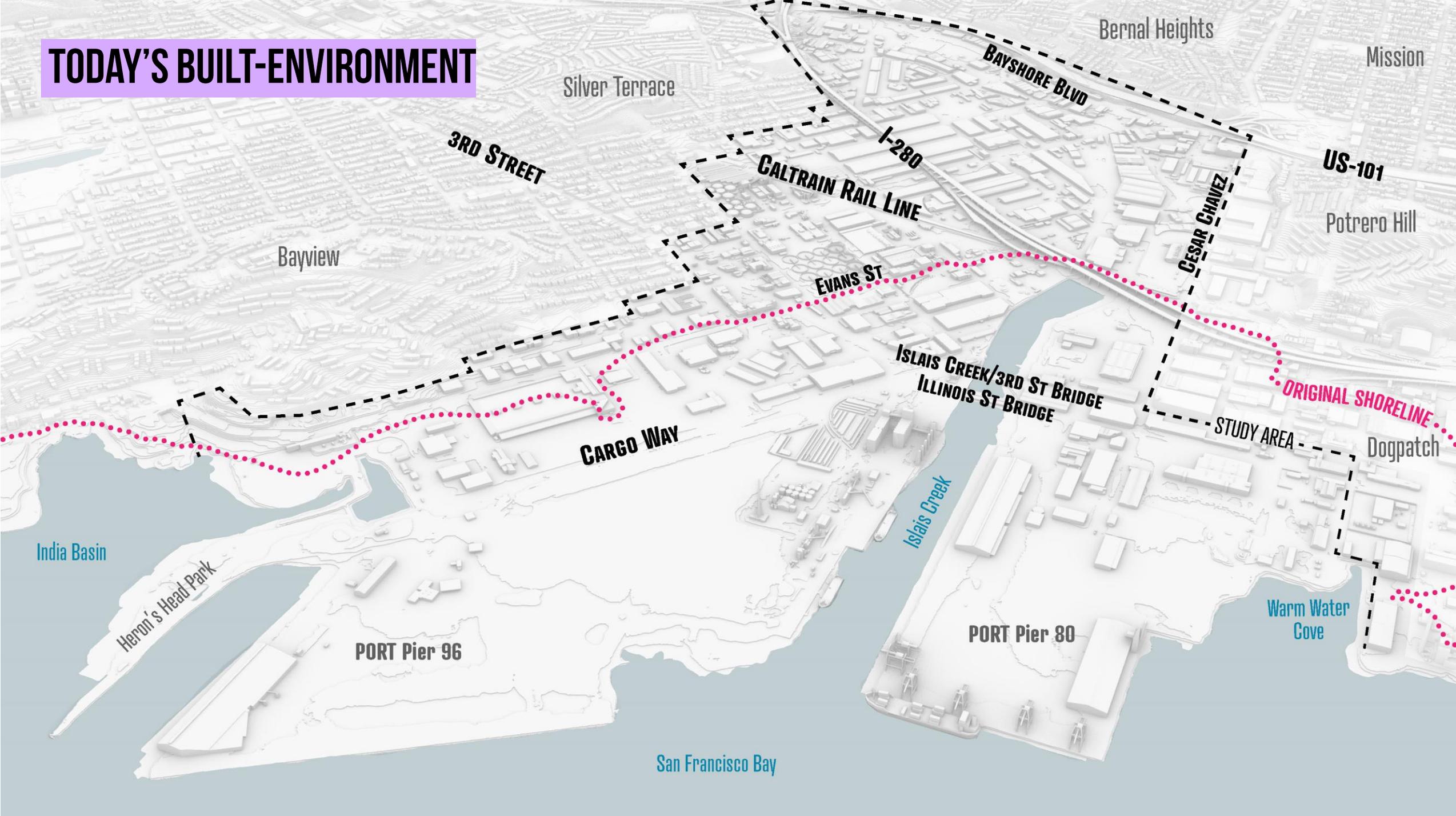
PROTECTING ISLAIS CREEK TODAY & TOMORROW



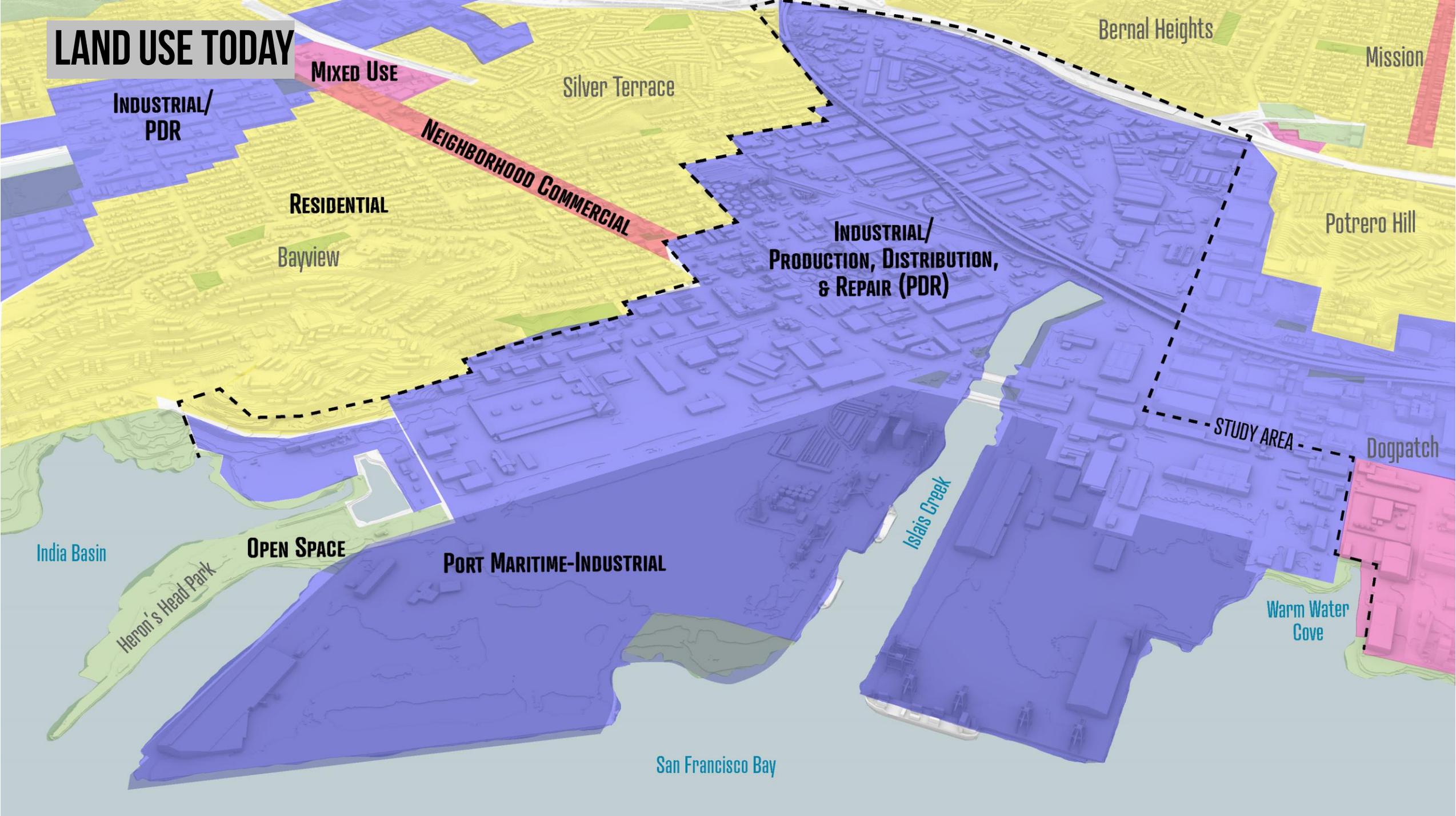
LOCAL TOPOGRAPHY & GEOLOGY



TODAY'S BUILT-ENVIRONMENT



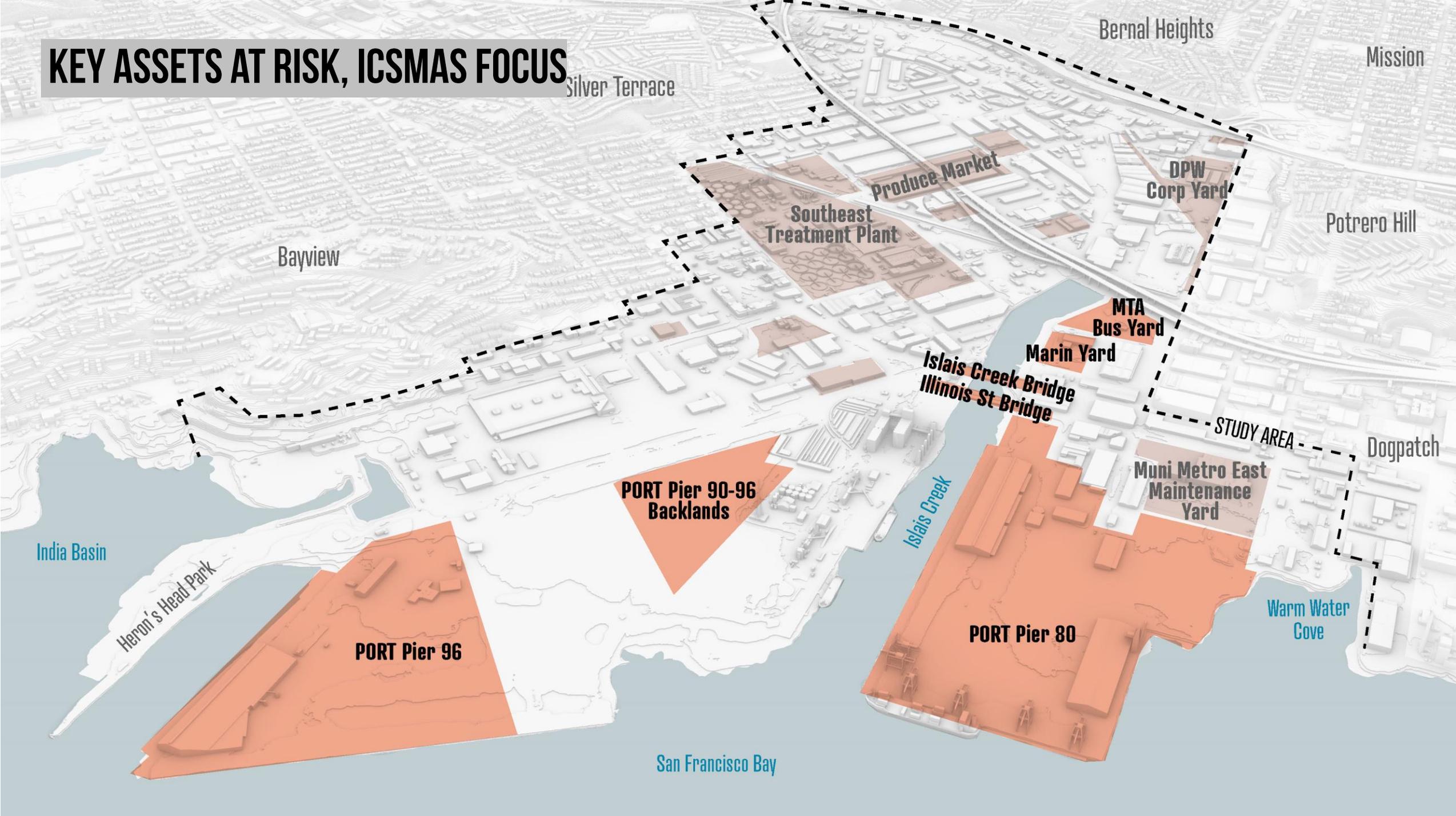
LAND USE TODAY



CITY ASSETS



KEY ASSETS AT RISK, ICSMAS FOCUS



Silver Terrace

Bernal Heights

Mission

Potrero Hill

Bayview

Southeast Treatment Plant

Produce Market

DPW Corp Yard

MTA Bus Yard

Marin Yard

Islais Creek Bridge
Illinois St Bridge

STUDY AREA

Dogpatch

Muni Metro East Maintenance Yard

PORT Pier 90-96 Backlands

India Basin

Heron's Head Park

PORT Pier 96

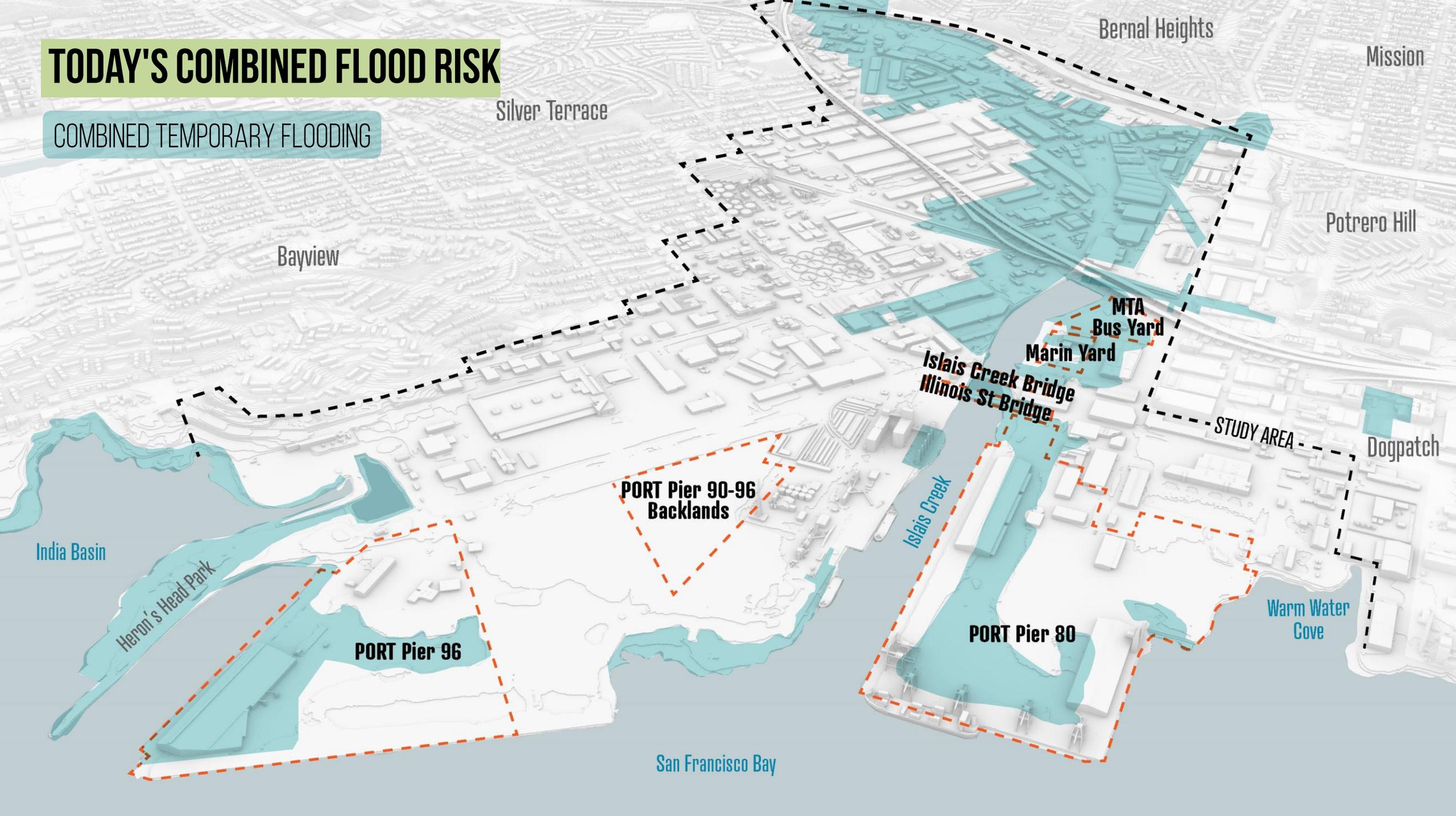
PORT Pier 80

Warm Water Cove

San Francisco Bay

TODAY'S COMBINED FLOOD RISK

COMBINED TEMPORARY FLOODING



Bernal Heights

Mission

Silver Terrace

Potrero Hill

Bayview

MTA Bus Yard

Marin Yard

Islais Creek Bridge
Illinois St Bridge

STUDY AREA

Dogpatch

PORT Pier 90-96
Backlands

India Basin

Heron's Head Park

PORT Pier 96

Islais Creek

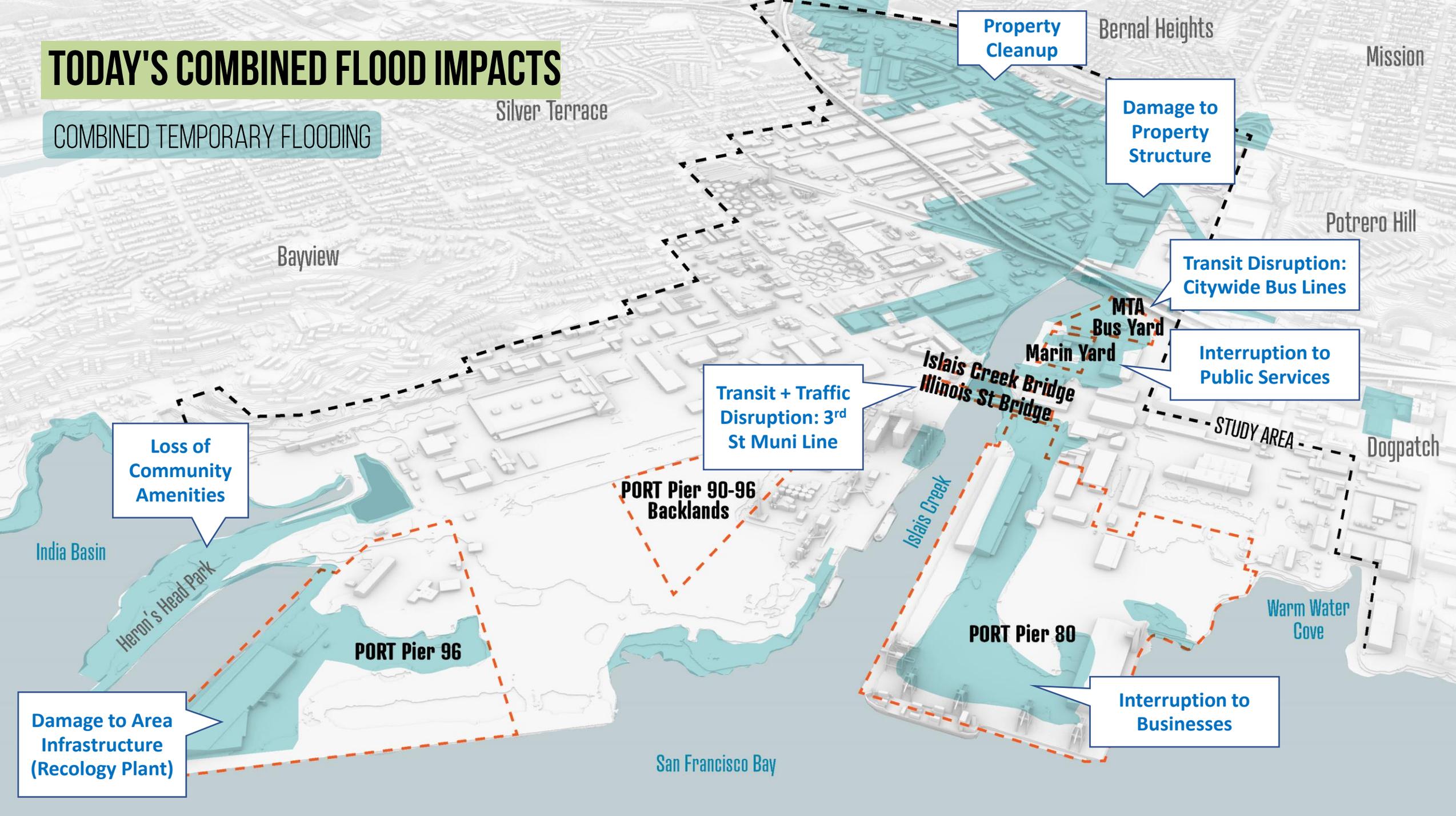
PORT Pier 80

Warm Water Cove

San Francisco Bay

TODAY'S COMBINED FLOOD IMPACTS

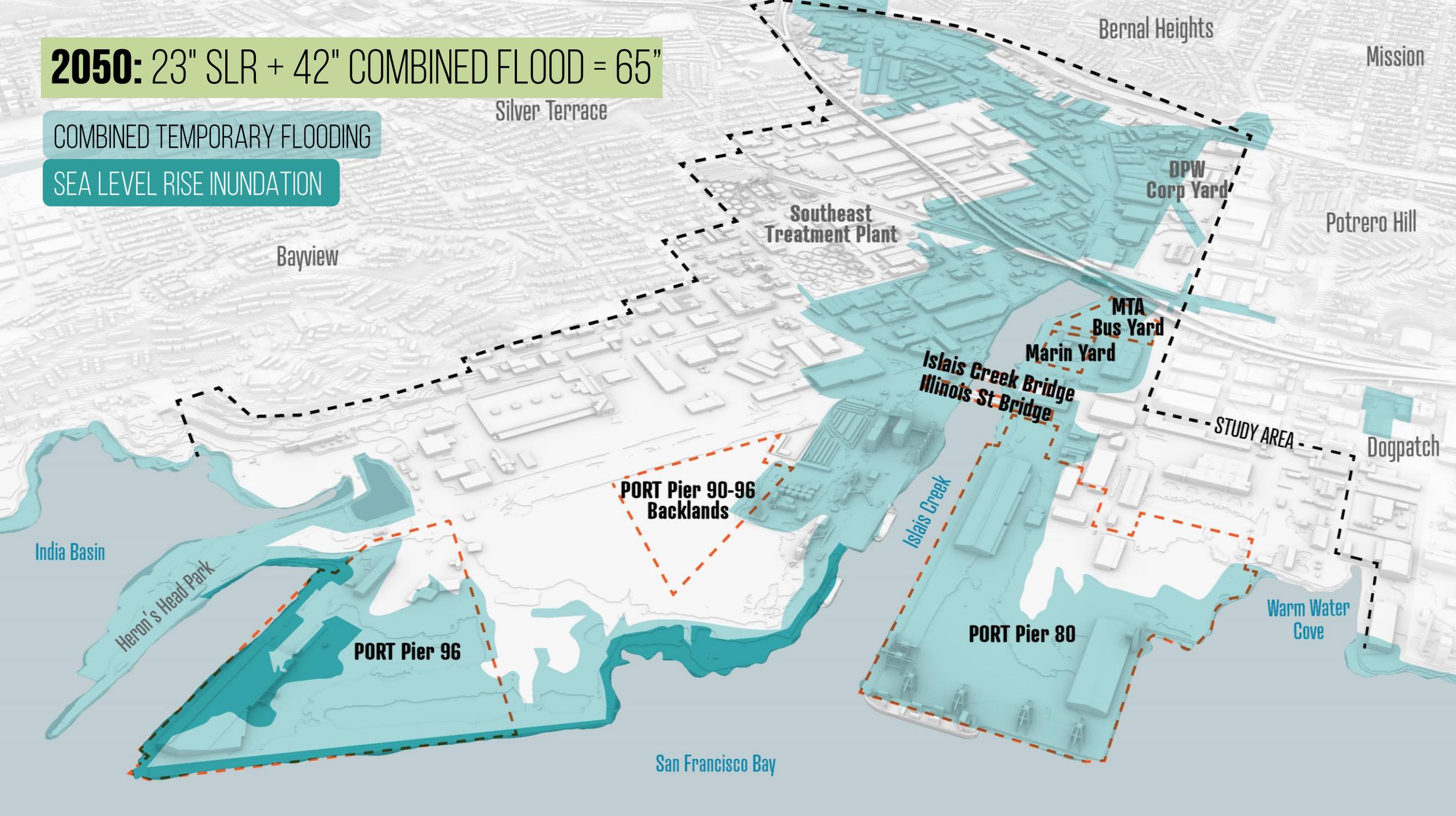
COMBINED TEMPORARY FLOODING



2050: 23" SLR + 42" COMBINED FLOOD = 65"

COMBINED TEMPORARY FLOODING

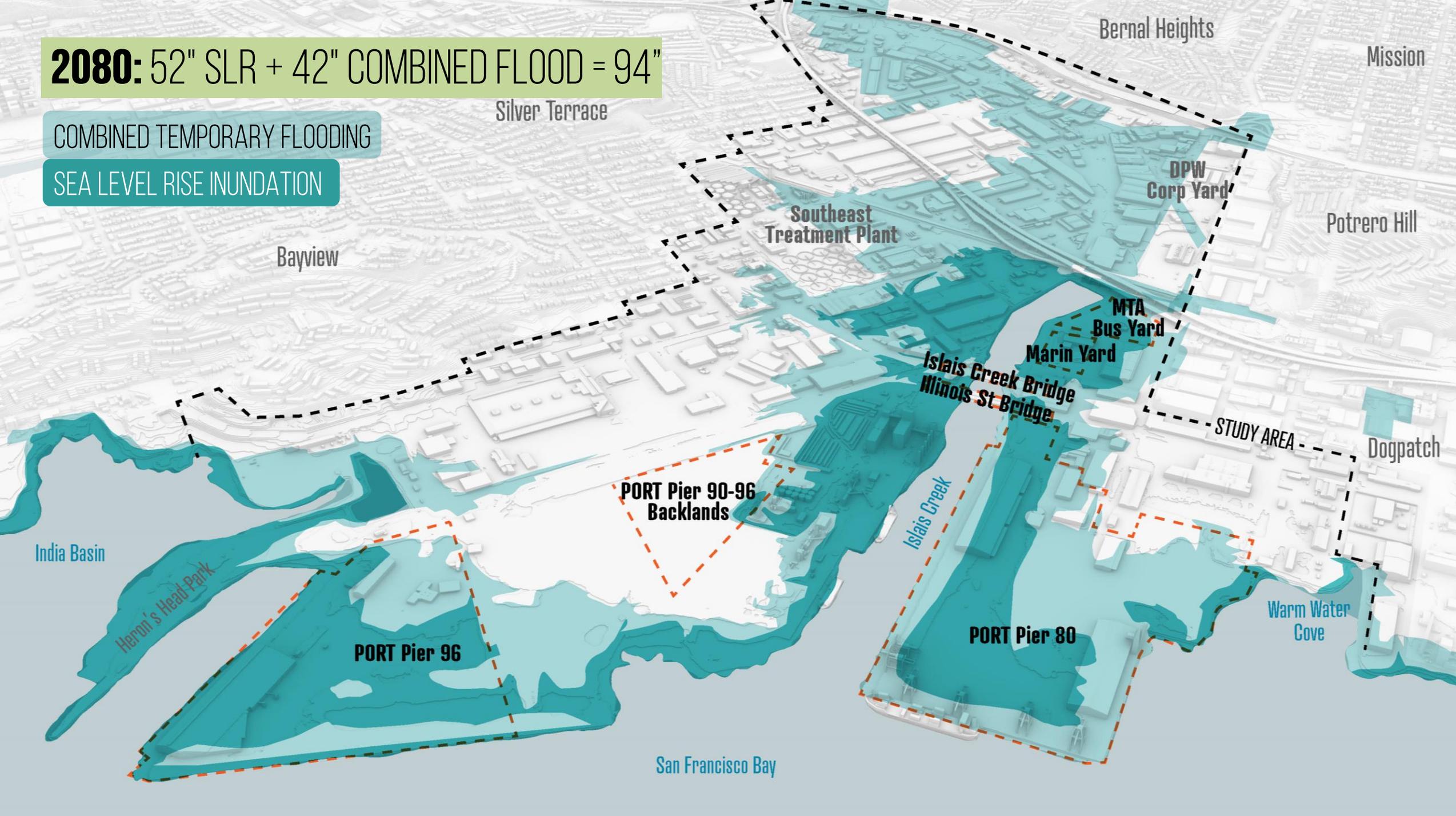
SEA LEVEL RISE INUNDATION



2080: 52" SLR + 42" COMBINED FLOOD = 94"

COMBINED TEMPORARY FLOODING

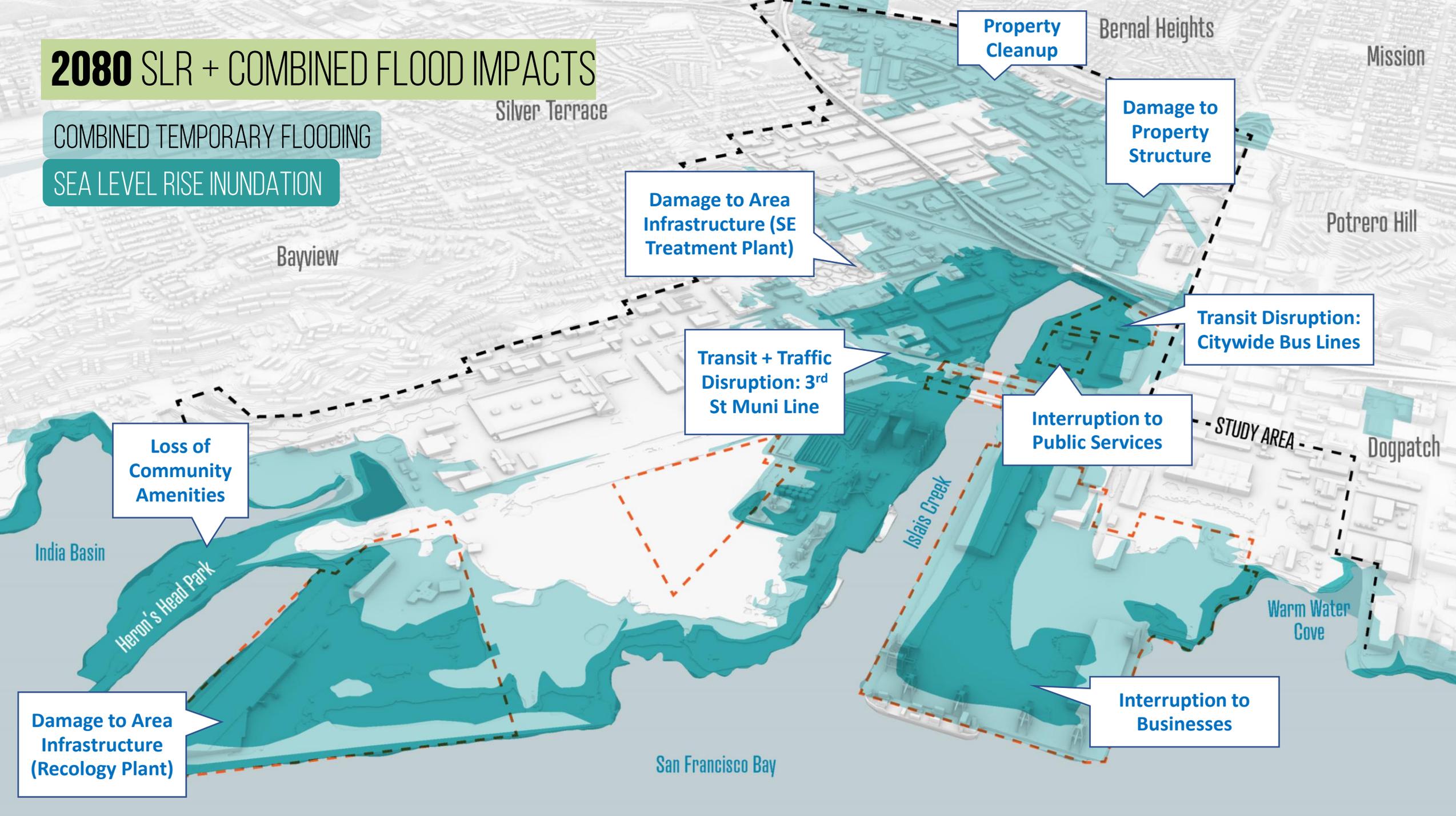
SEA LEVEL RISE INUNDATION



2080 SLR + COMBINED FLOOD IMPACTS

COMBINED TEMPORARY FLOODING

SEA LEVEL RISE INUNDATION



Property Cleanup

Bernal Heights

Mission

Damage to Property Structure

Potrero Hill

Damage to Area Infrastructure (SE Treatment Plant)

Bayview

Transit Disruption: Citywide Bus Lines

Transit + Traffic Disruption: 3rd St Muni Line

Interruption to Public Services

STUDY AREA

Dogpatch

Loss of Community Amenities

India Basin

Heron's Head Park

Islais Creek

Warm Water Cove

Damage to Area Infrastructure (Recology Plant)

San Francisco Bay

Interruption to Businesses

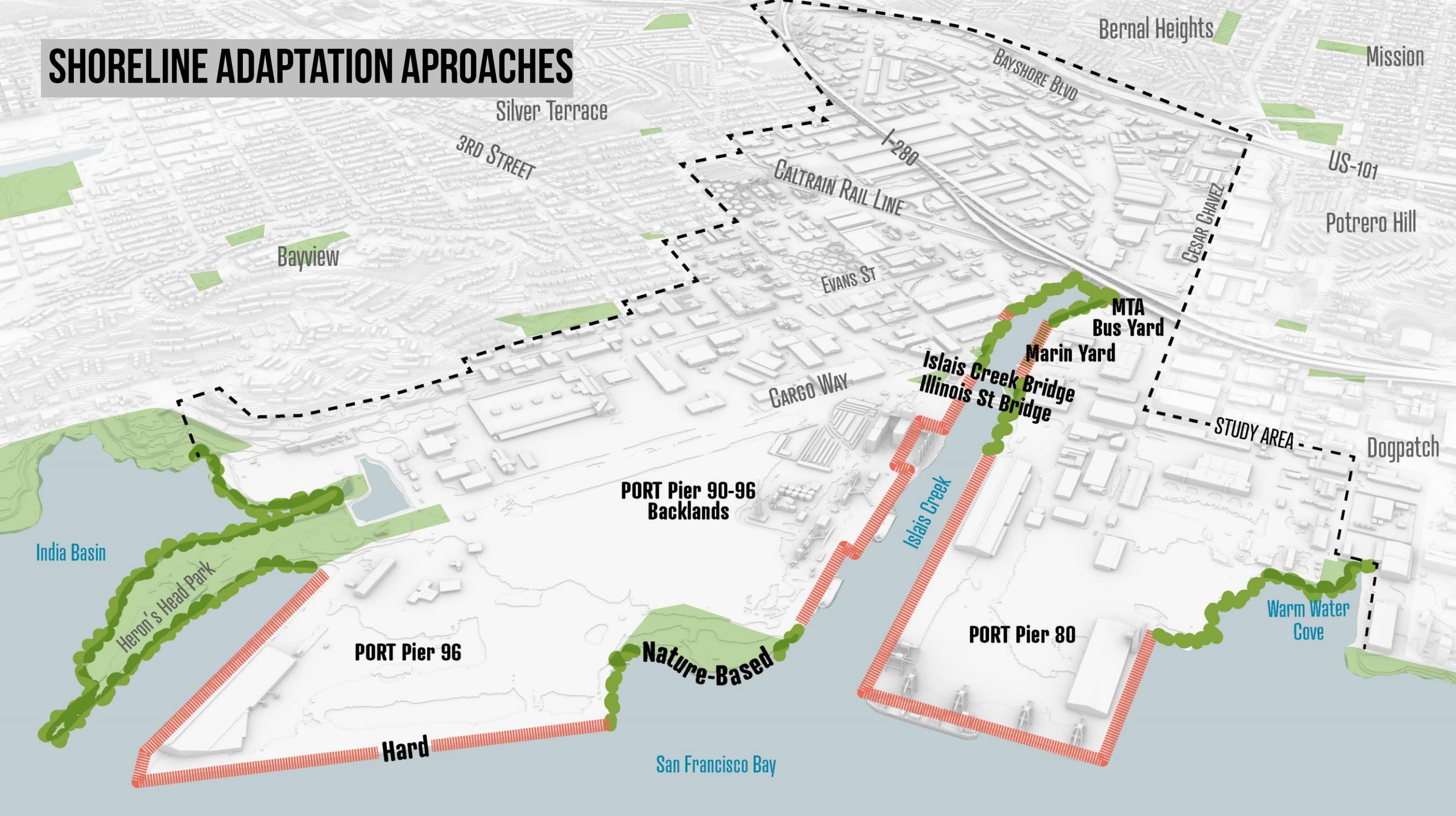
WE WANT TO HEAR FROM YOU!

Flood Concerns



- Do you have any other concerns about flood protection that aren't addressed?

SHORELINE ADAPTATION APPROACHES



KEY STRATEGIES & COMMUNITY GOALS

HEALTHY ENVIRONMENT



GREEN STREETS

IMPROVED WATERFRONT AMENITIES

ECOLOGICAL ENHANCEMENTS

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ECOLOGICAL ENHANCEMENTS

RECREATIONAL & ECOLOGICAL ENHANCEMENTS

STUDY AREA

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STUDY AREA

KEY STRATEGIES & COMMUNITY GOALS

ROBUST TRANSPORTATION



MULTI-MODAL ENHANCEMENTS
(PEDESTRIAN / BIKE SAFETY)

ENHANCED BLUE GREENWAY
(PEDESTRIAN / BIKE SAFETY)

BRIDGE
REPLACEMENTS

PROTECTED TRANSIT FACILITIES

PROTECTED TRANSIT FACILITIES

NEW BLUE GREENWAY
ALIGNMENT

KEY STRATEGIES & COMMUNITY GOALS

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ALIGNMENT

India Basin

Hamm's Head Park

PORT Pier 96

PORT Pier 90-96
Backlands

PORT Pier 80

San Francisco Bay

Islais Creek

CARGO WAY

EVANS ST

CALTRAIN RAIL LINE

I-280

3RD STREET

Silver Terrace

Bayview

Bernal Heights

Mission

US-101

Potrero Hill

STUDY AREA

Dogpatch

Warm Water Cove

MTA
Bus Yard
Marin Yard

BAYSHORE BLVD

CESAR CHAVEZ

KEY STRATEGIES & COMMUNITY GOALS

SUSTAINABLE ECONOMY



EXPANDED MARITIME / INDUSTRIAL JOBS

EXPANDED MARITIME / INDUSTRIAL JOBS

ENHANCE PDR & JOBS AREA

ENHANCE PDR & JOBS AREA

RAISED / REBUILT PIER EDGES & BERTHS

STUDY AREA

KEY STRATEGIES & COMMUNITY GOALS

SUSTAINABLE ECONOMY

India Basin

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KEY STRATEGIES & COMMUNITY GOALS: SUMMARY

HEALTHY ENVIRONMENT

ROBUST TRANSPORTATION

SUSTAINABLE ECONOMY



WE WANT TO HEAR FROM YOU!

Community Benefits



- What potential community benefits or amenities feel most exciting to you?
- What did we miss?



NEXT STEPS

COMMUNITY "CIRCLE-BACK" EVENT

Please Join Us Next Week!



Tuesday, May 18

12:00-1:00 PM

Wednesday, May 19

6:00-7:00 PM

Zoom links to register are being added to the chat!

UPCOMING MEETINGS AND PRESENTATIONS

Reporting Out

SFPUC Wastewater Citizens Advisory Committee: Tuesday, May 11th, 5:30 PM

SFMTA's Policy & Governance Committee: Tuesday, May 25, 9:00 AM

Port Commission: Tuesday, May 25, 3:15 PM

Port's Southern Advisory Committee: Wednesday, May 26, 5:30 PM

Planning Commission: Thursday June 3, 1:00 PM

WE WANT TO HEAR FROM YOU!

Staying Engaged



- As the City reopens, what would be the best way to keep you informed and engaged about our next steps?

VISIT US ONLINE FOR UPDATES

SF Planning & Waterfront Resilience Program Websites



SF Planning Project Page:

sfplanning.org/project/Islais

Waterfront Resilience Program:

sfportresilience.com



Thank You!

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