

MAY 2021

ISLAIS CREEK SOUTHEAST MOBILITY & ADAPTATION STRATEGY COMMUNITY CIRCLE-BACK



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



AGENDA

1. Welcome & Ice-Breaker [5 min]
2. Presentation w Q&A Break: [20 min]
 - Orientation & Grounding
 - Adaptation Strategies Overview
3. Break-Out Groups:
What Do You Think? [20 min]
4. Report Back [10 minutes]
5. Next Steps [2 min]





ORIENTATION & GROUNDING

SAN FRANCISCO INTEGRATED CLIMATE RESILIENCE



ECONOMIC RECOVERY
PLAN &
IMPLEMENTATION



OCEAN BEACH
ADAPTATION
IMPLEMENTATION



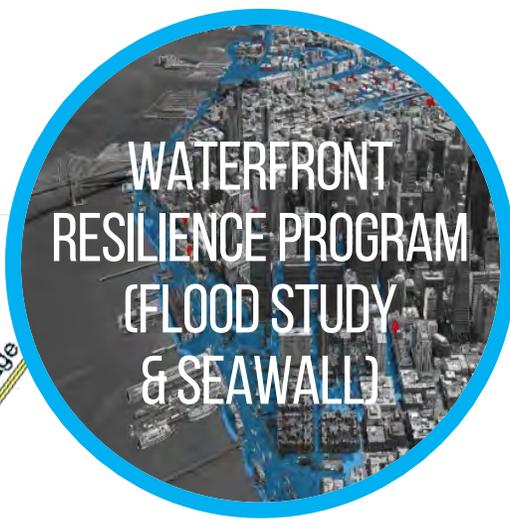
HAZARD &
CLIMATE
RESILIENCE
PLAN



CLIMATE
ACTION
PLAN



GENERAL PLAN
SAFETY & RESILIENCE
ELEMENT UPDATE



WATERFRONT
RESILIENCE PROGRAM
(FLOOD STUDY
& SEAWALL)



STRENGTHEN
ADAPT PLAN
ENVISION



FUTURE
WATERFRONT
PLAN
UPDATE



ISLAIS CREEK
ADAPTATION
STRATEGY



SEA LEVEL RISE
VULNERABILITY &
CONSEQUENCES
ASSESSMENT

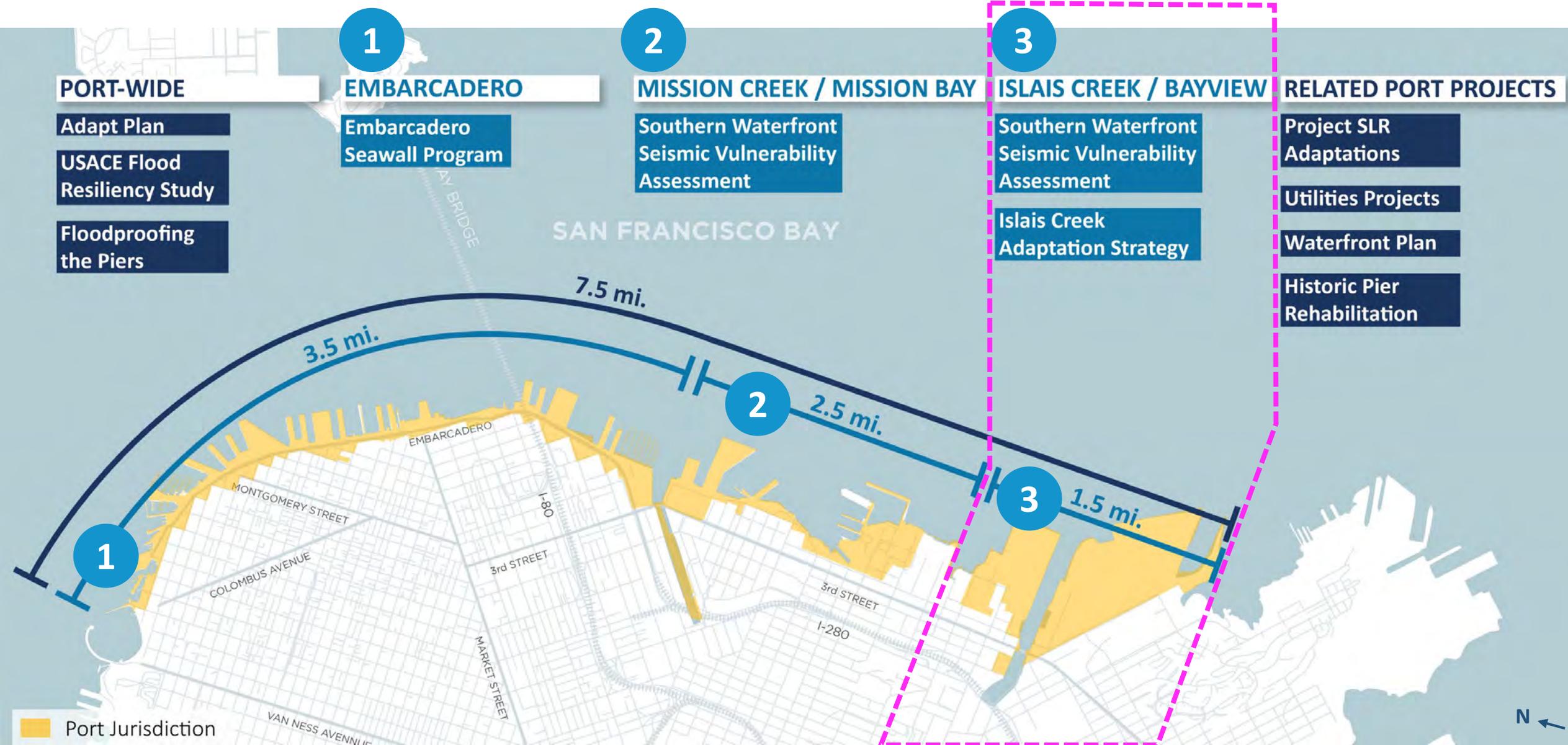


FUTURE
BAYVIEW
RESILIENCE
STRATEGY



WATERFRONT RESILIENCE PROGRAM & CITY EFFORTS

Supporting the Islais Creek District



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

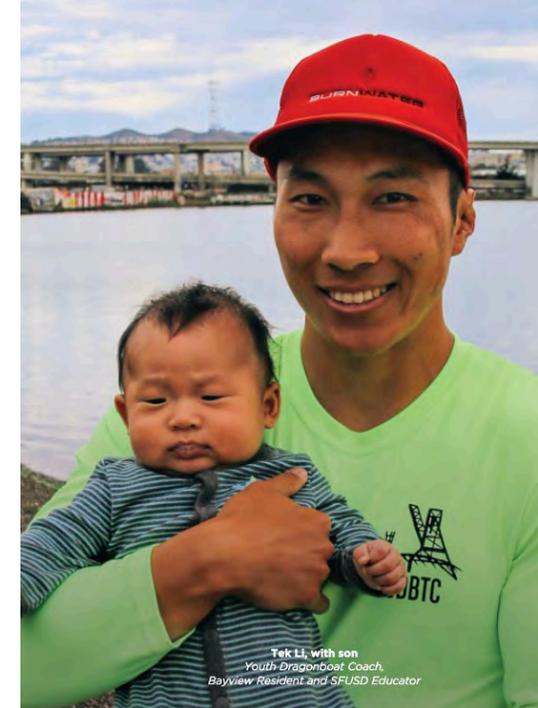


I AM

"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."

ISLAIS

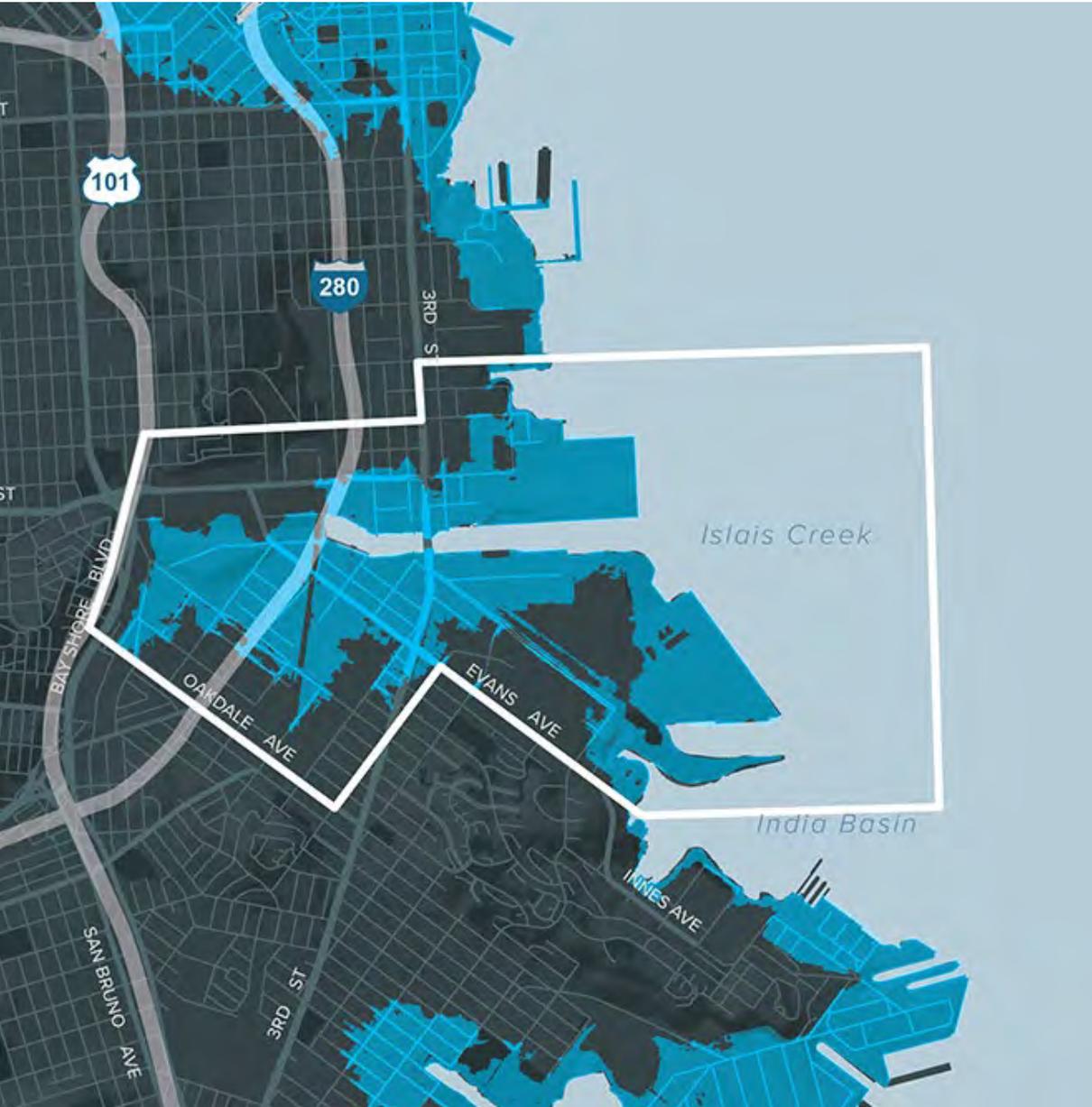
ISLAIS CREEK
ADAPTATION
STRATEGY



Tek Li, with son
Youth Dragonboat Coach,
Bayview Resident and SFUSD Educator



ISLAIS CREEK COMMUNITY VISION & GOALS



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

1. A socially and environmentally resilient neighborhood
2. Authentic and transparent public engagement during and beyond planning
3. A transportation system that is resilient and adaptable to flood risk
4. A healthy environment for residents, workers, and ecologies
5. A sustainable economy that benefits local residents, workers, and industries

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



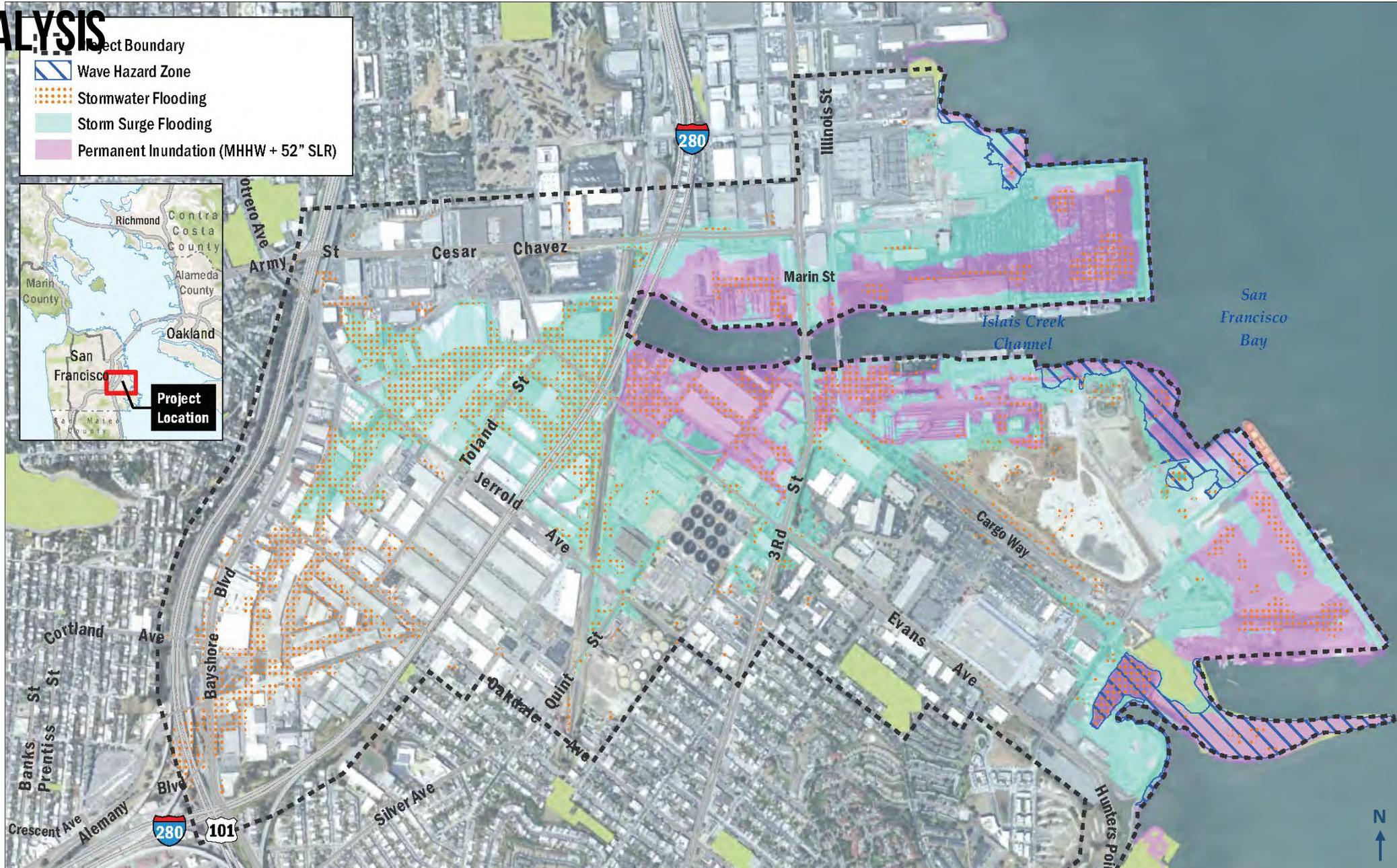
- Emergency Response
- Transportation
- Hospital Access
- Neighborhood Function
- Water Quality
- Contaminated lands
- Bayview/Hunters Point

TECHNICAL ANALYSIS

2080:
52" SLR +
41" COASTAL
FLOODING =
93" 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

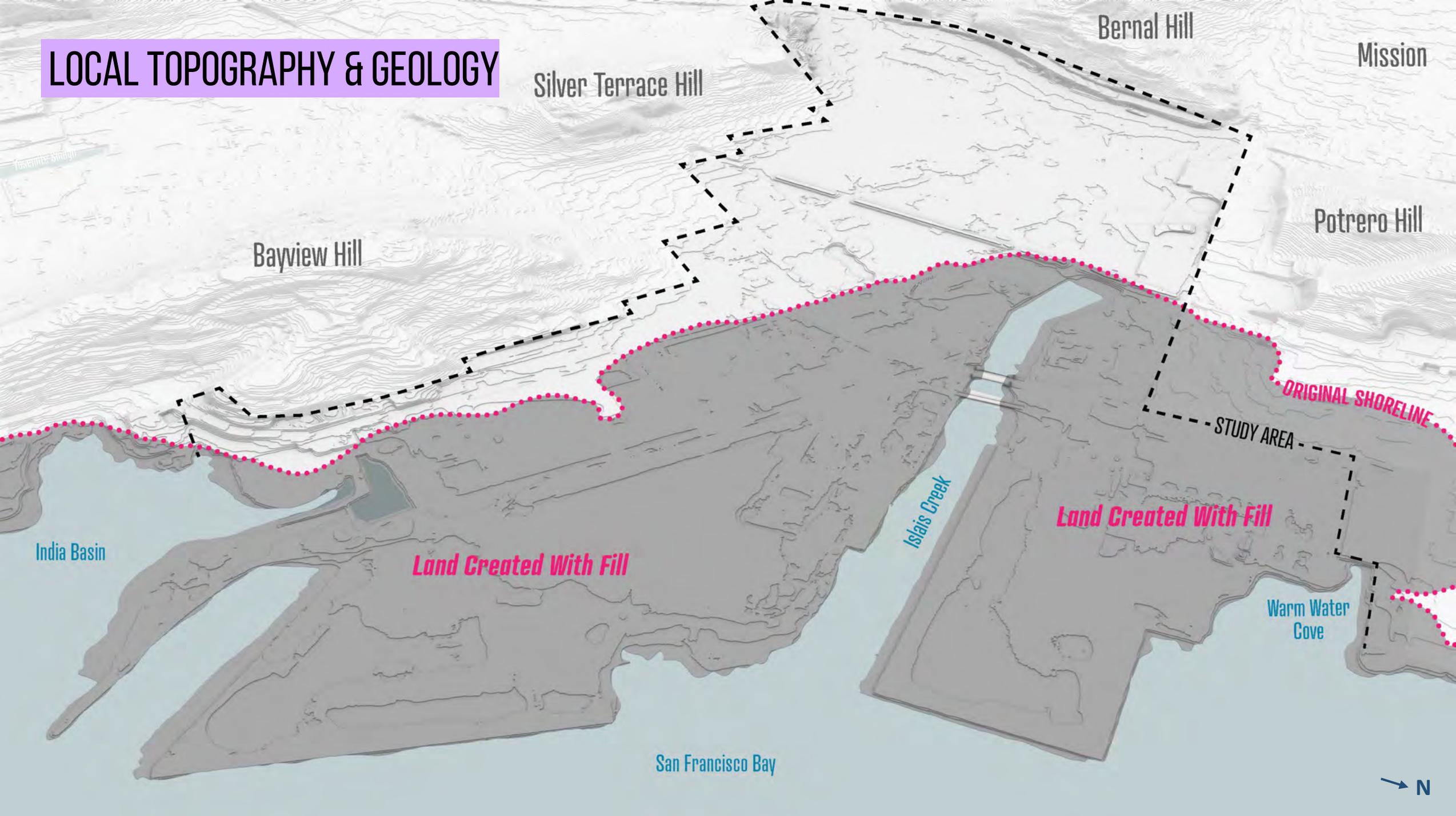


7 Pier 96

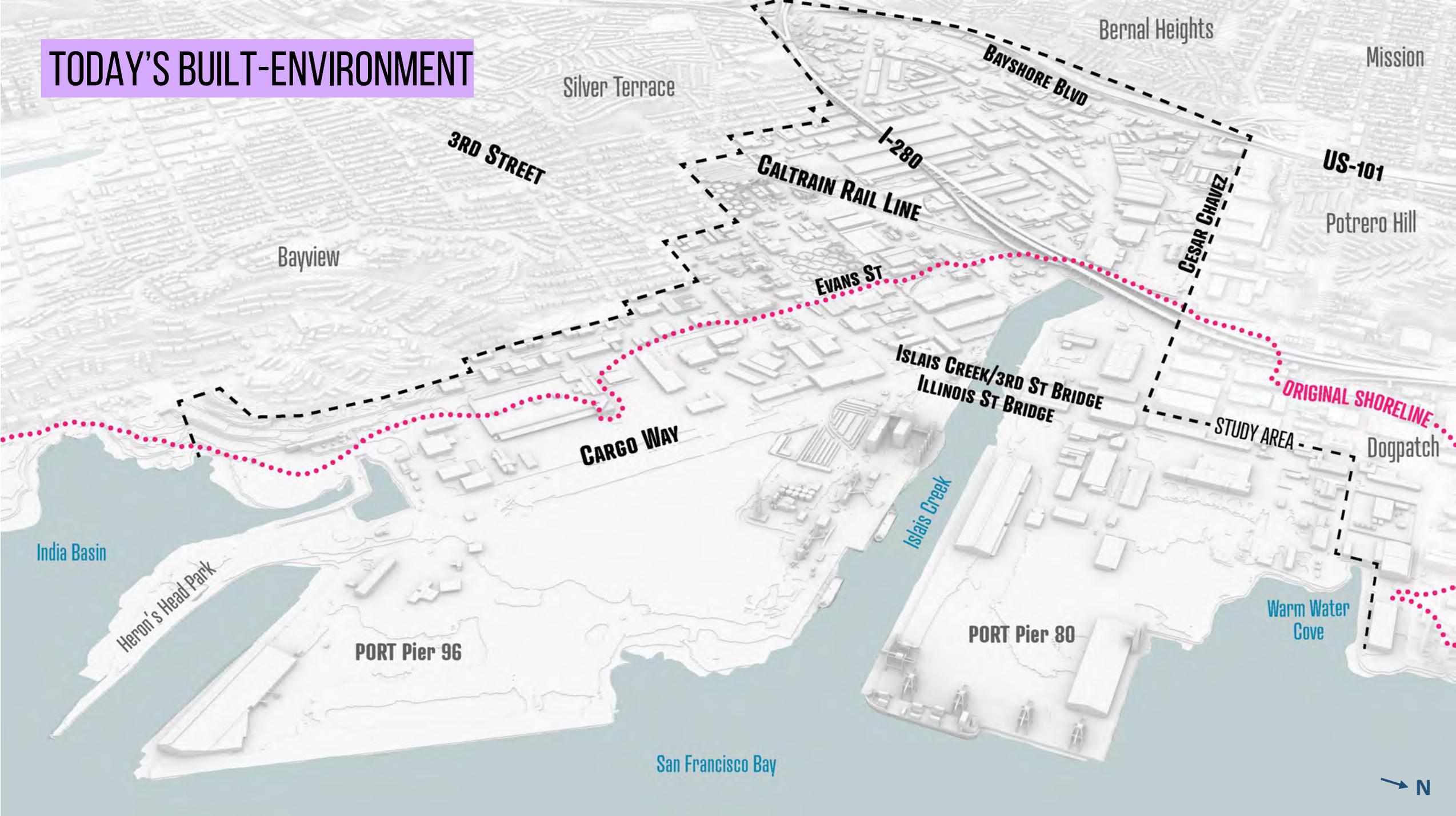
PROTECTING ISLAIS CREEK TODAY & TOMORROW



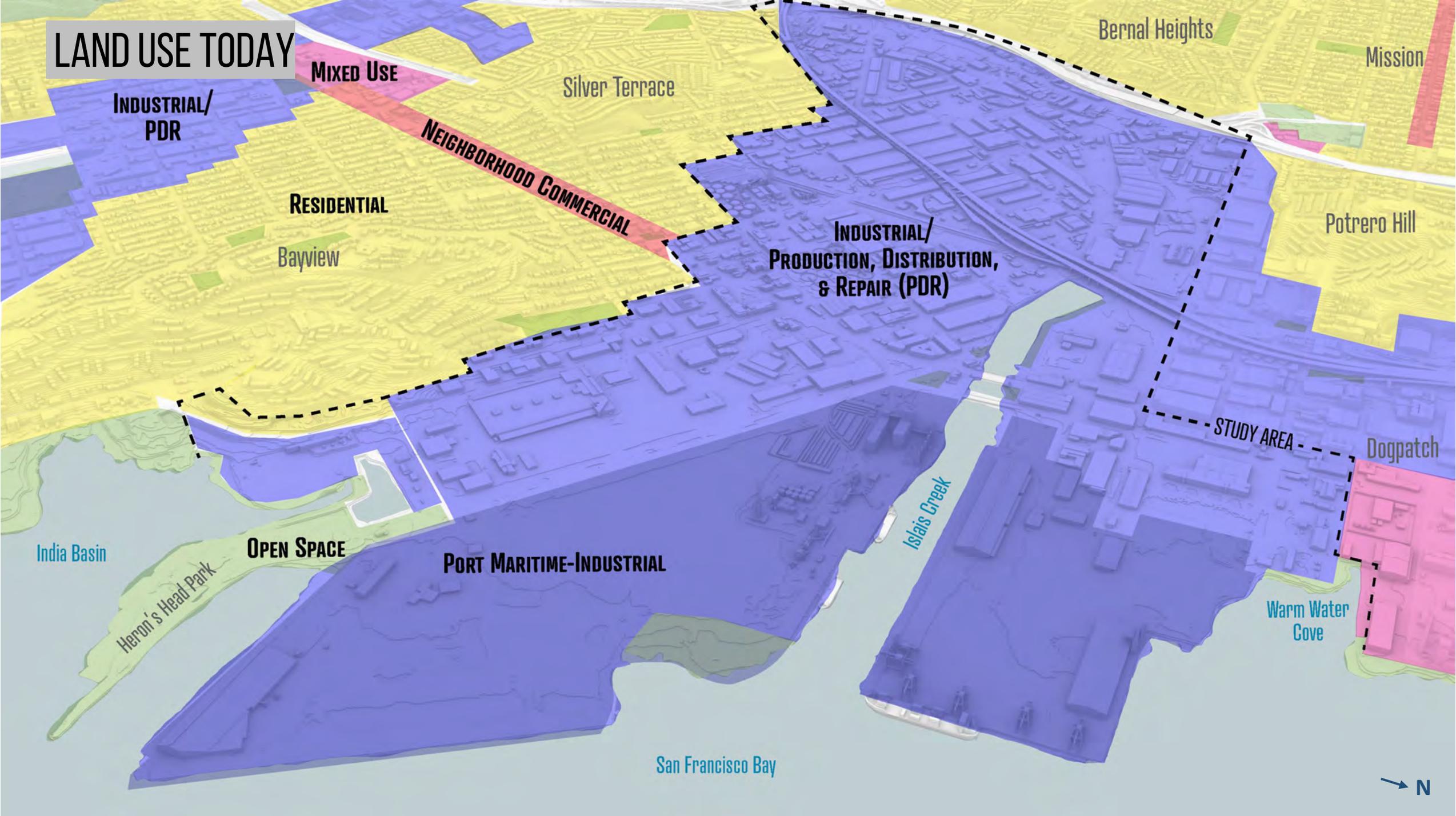
LOCAL TOPOGRAPHY & GEOLOGY



TODAY'S BUILT-ENVIRONMENT



LAND USE TODAY



**INDUSTRIAL/
PDR**

MIXED USE

Silver Terrace

Bernal Heights

Mission

RESIDENTIAL

Bayview

NEIGHBORHOOD COMMERCIAL

**INDUSTRIAL/
PRODUCTION, DISTRIBUTION,
& REPAIR (PDR)**

Potrero Hill

STUDY AREA

Dogpatch

India Basin

OPEN SPACE

PORT MARITIME-INDUSTRIAL

Islais Creek

Warm Water Cove

San Francisco Bay

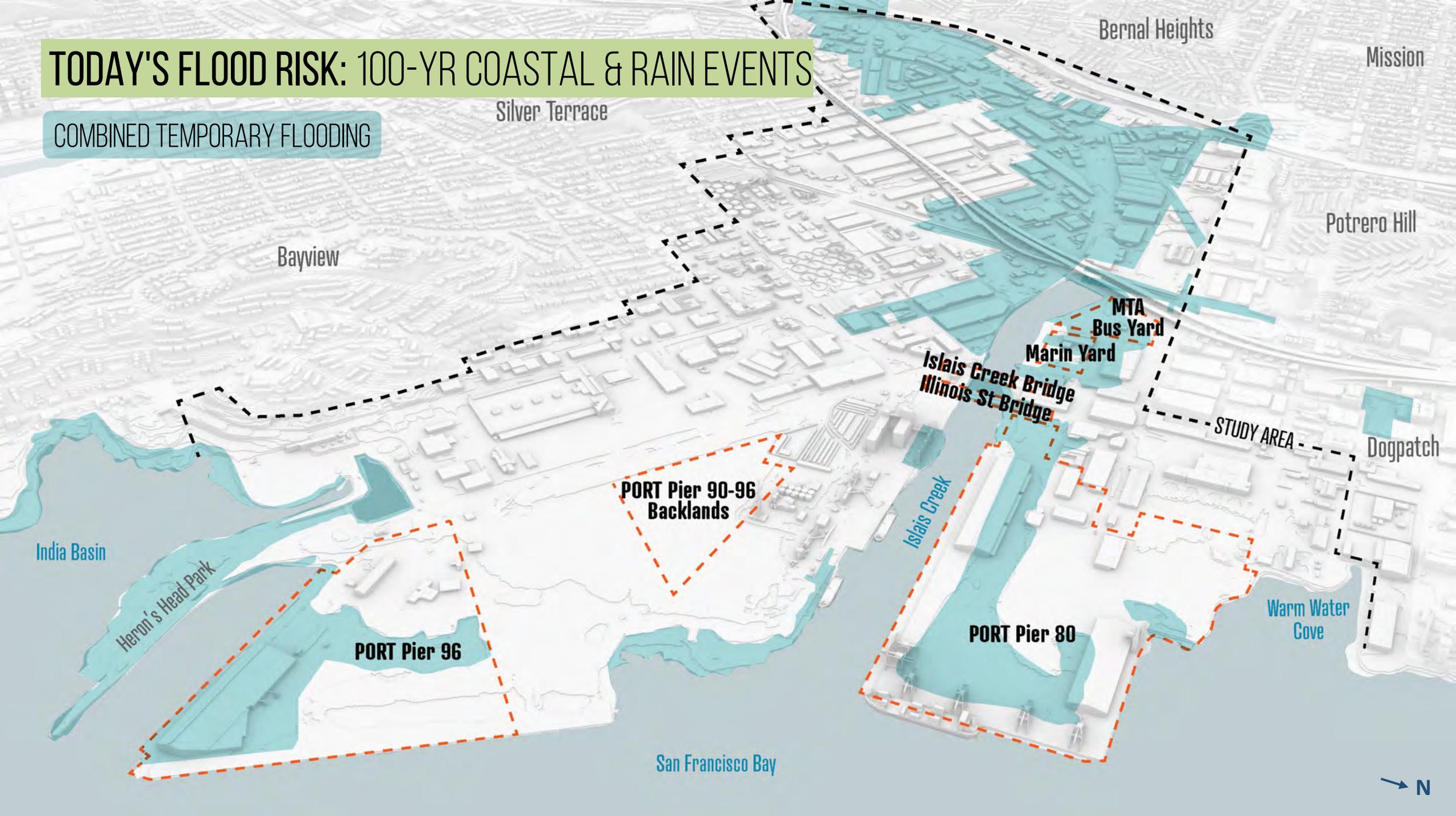


CITY ASSETS



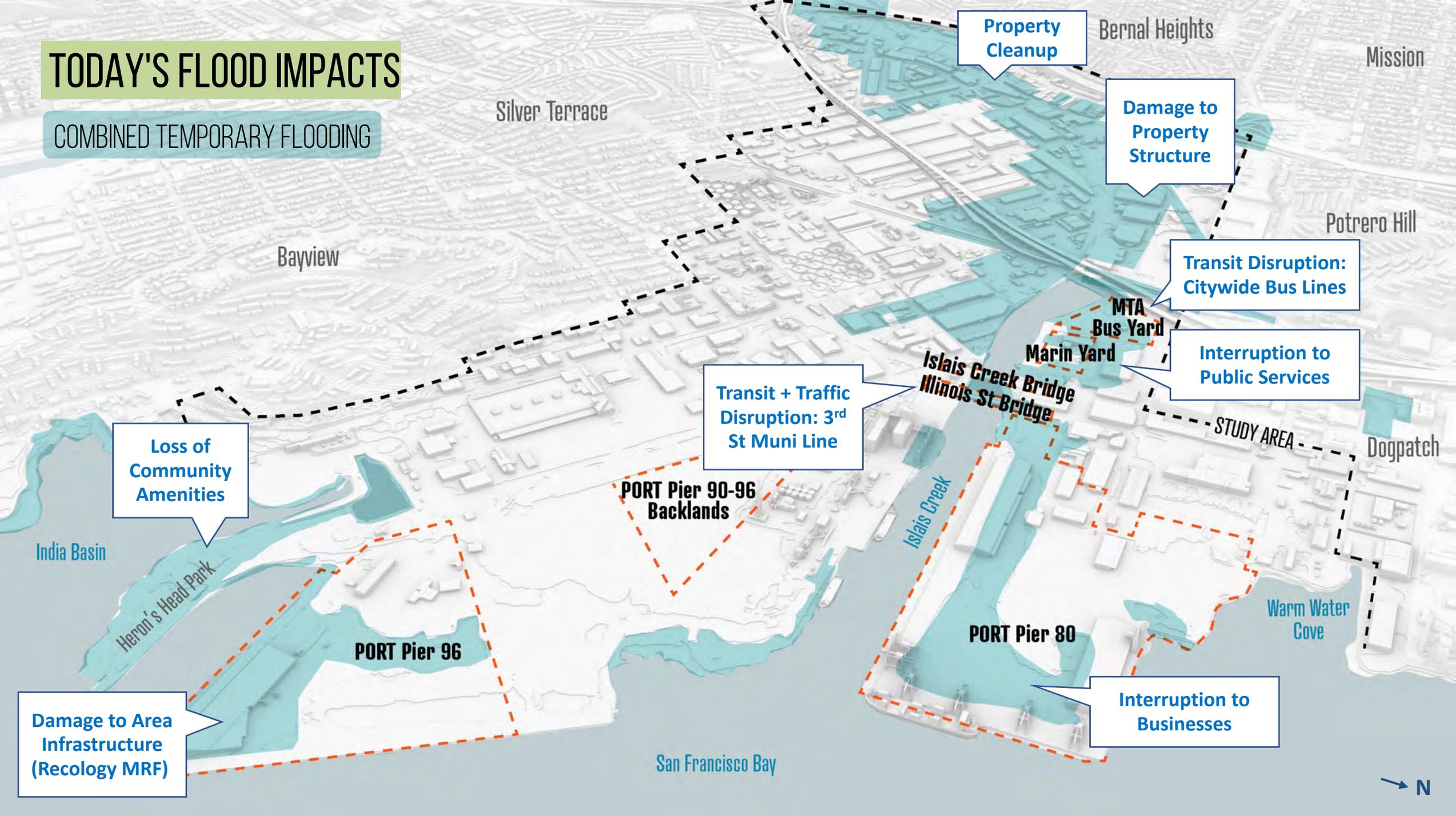
TODAY'S FLOOD RISK: 100-YR COASTAL & RAIN EVENTS

COMBINED TEMPORARY FLOODING



TODAY'S FLOOD IMPACTS

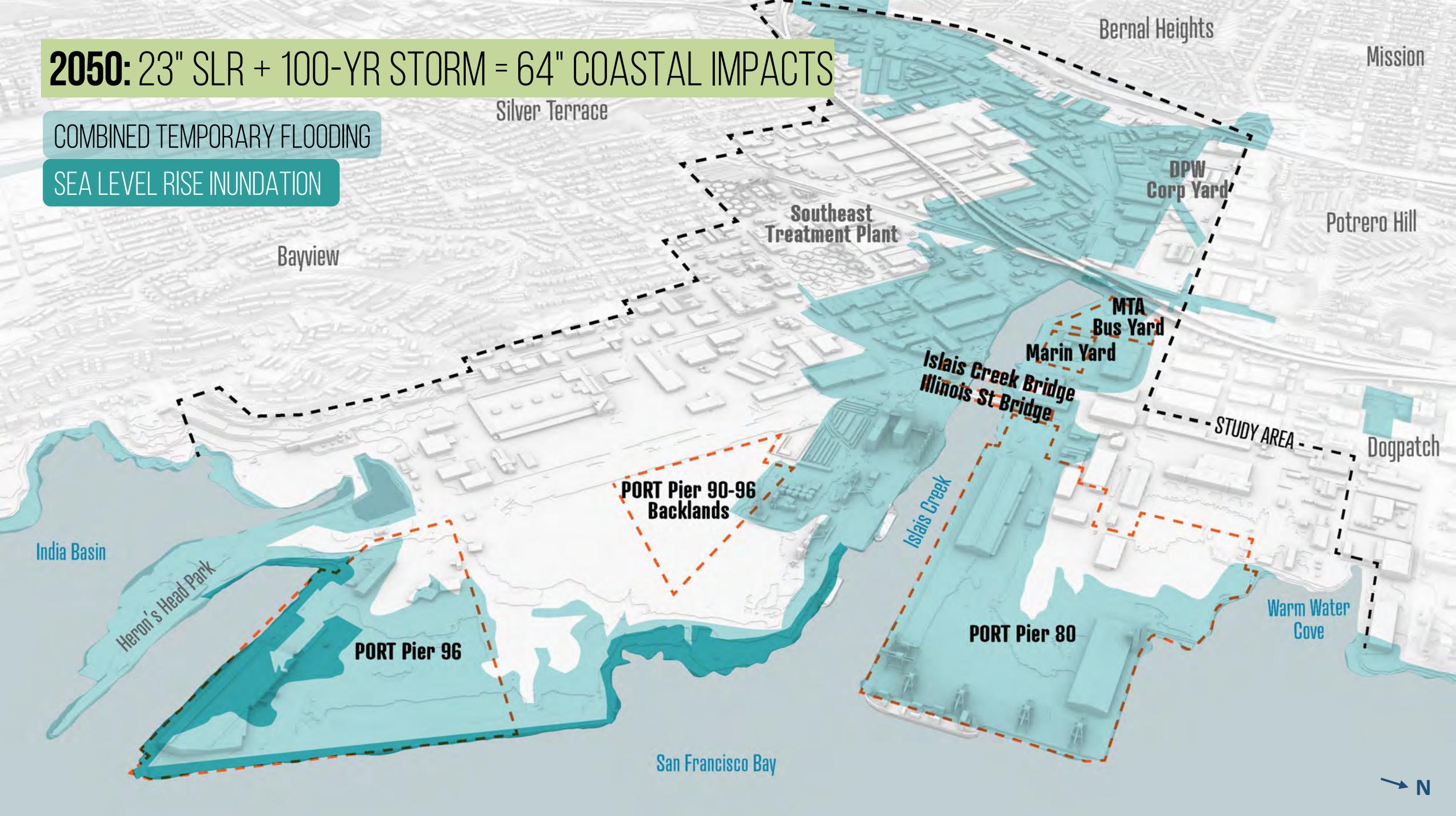
COMBINED TEMPORARY FLOODING



2050: 23" SLR + 100-YR STORM = 64" COASTAL IMPACTS

COMBINED TEMPORARY FLOODING

SEA LEVEL RISE INUNDATION



Bernal Heights

Mission

Silver Terrace

Potrero Hill

Bayview

Southeast Treatment Plant

DPW Corp Yard

MTA Bus Yard

Marin Yard

Islais Creek Bridge
Illinois St Bridge

STUDY AREA

Dogpatch

India Basin

Heron's Head Park

PORT Pier 96

PORT Pier 90-96
Backlands

Islais Creek

PORT Pier 80

Warm Water Cove

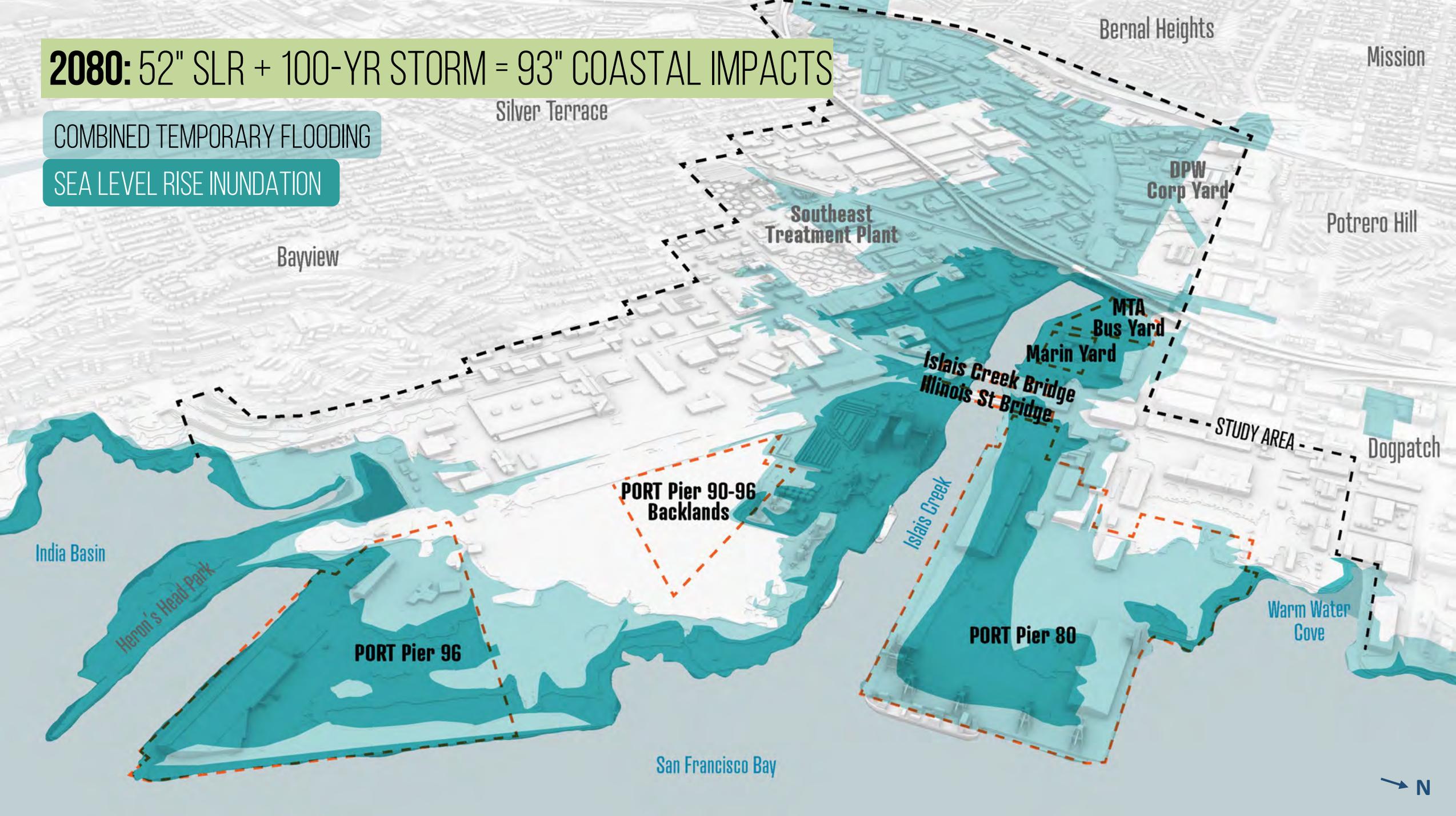
San Francisco Bay



2080: 52" SLR + 100-YR STORM = 93" COASTAL IMPACTS

COMBINED TEMPORARY FLOODING

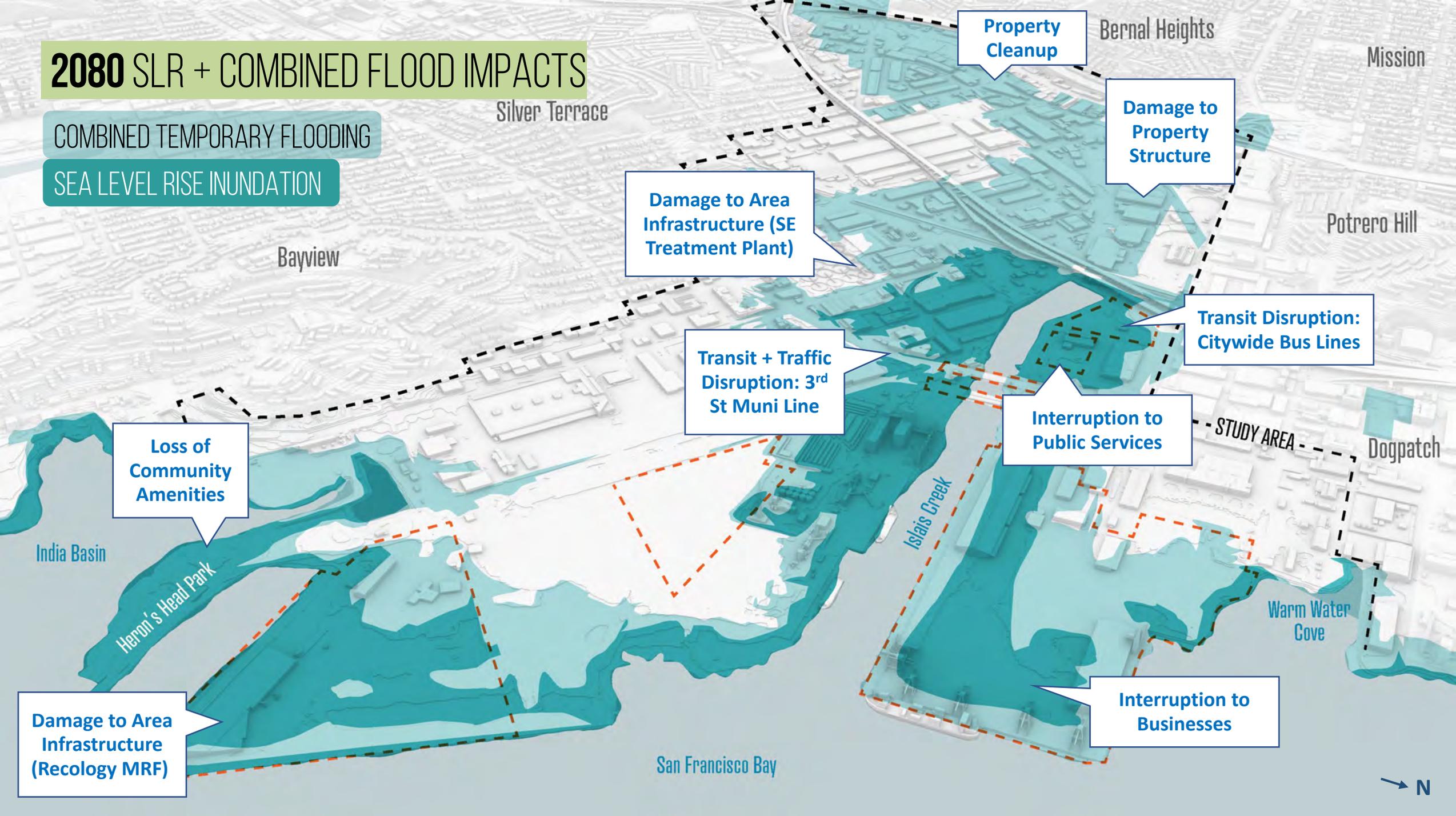
SEA LEVEL RISE INUNDATION



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

Warm Water Cove

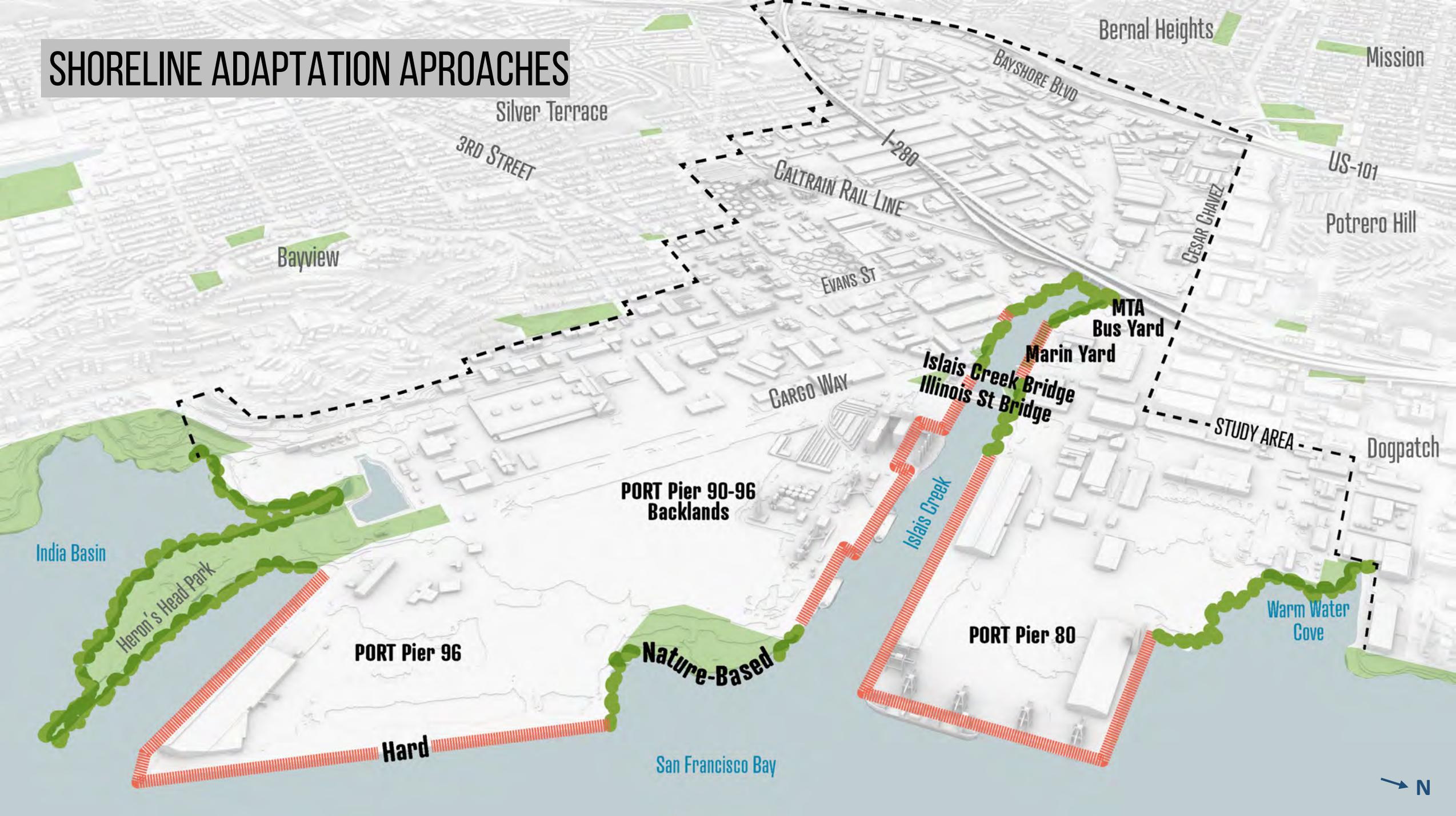
Damage to Area Infrastructure (Recology MRF)

San Francisco Bay

Interruption to Businesses



SHORELINE ADAPTATION APPROACHES



KEY STRATEGIES & COMMUNITY GOALS

ROBUST TRANSPORTATION



KEY STRATEGIES & COMMUNITY GOALS

SUSTAINABLE ECONOMY



Silver Terrace

Bernal Heights

Mission

ENHANCE PDR & JOBS AREA

3RD STREET

BAYSHORE BLVD

US-101

CALTRAIN RAIL LINE

Potrero Hill

Bayview

EVANS ST

ENHANCE PDR & JOBS AREA

MTA Bus Yard

CARGO WAY

Marin Yard

Islais Creek Bridge
Illinois St Bridge

STUDY AREA

Dogpatch

PORT Pier 90-96
Backlands

India Basin

Herron's Head Park

EXPANDED MARITIME / INDUSTRIAL JOBS

PORT Pier 96

EXPANDED MARITIME / INDUSTRIAL JOBS

PORT Pier 80

Warm Water Cove

San Francisco Bay

RAISED / REBUILT PIER EDGES & BERTHS



KEY STRATEGIES & COMMUNITY GOALS

HEALTHY ENVIRONMENT



GREEN STREETS

ECOLOGICAL ENHANCEMENTS

IMPROVED WATERFRONT AMENITIES

ECOLOGICAL ENHANCEMENTS

PORT Pier 90-96 Backlands

ECOLOGICAL ENHANCEMENTS

RECREATIONAL & ECOLOGICAL ENHANCEMENTS

STUDY AREA

Bernal Heights

Mission

Bayview

Potrero Hill

MTA Bus Yard

Marin Yard

Islais Creek Bridge
Illinois St Bridge

Dogpatch

India Basin

Heron's Head Park

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Warm Water Cove

San Francisco Bay

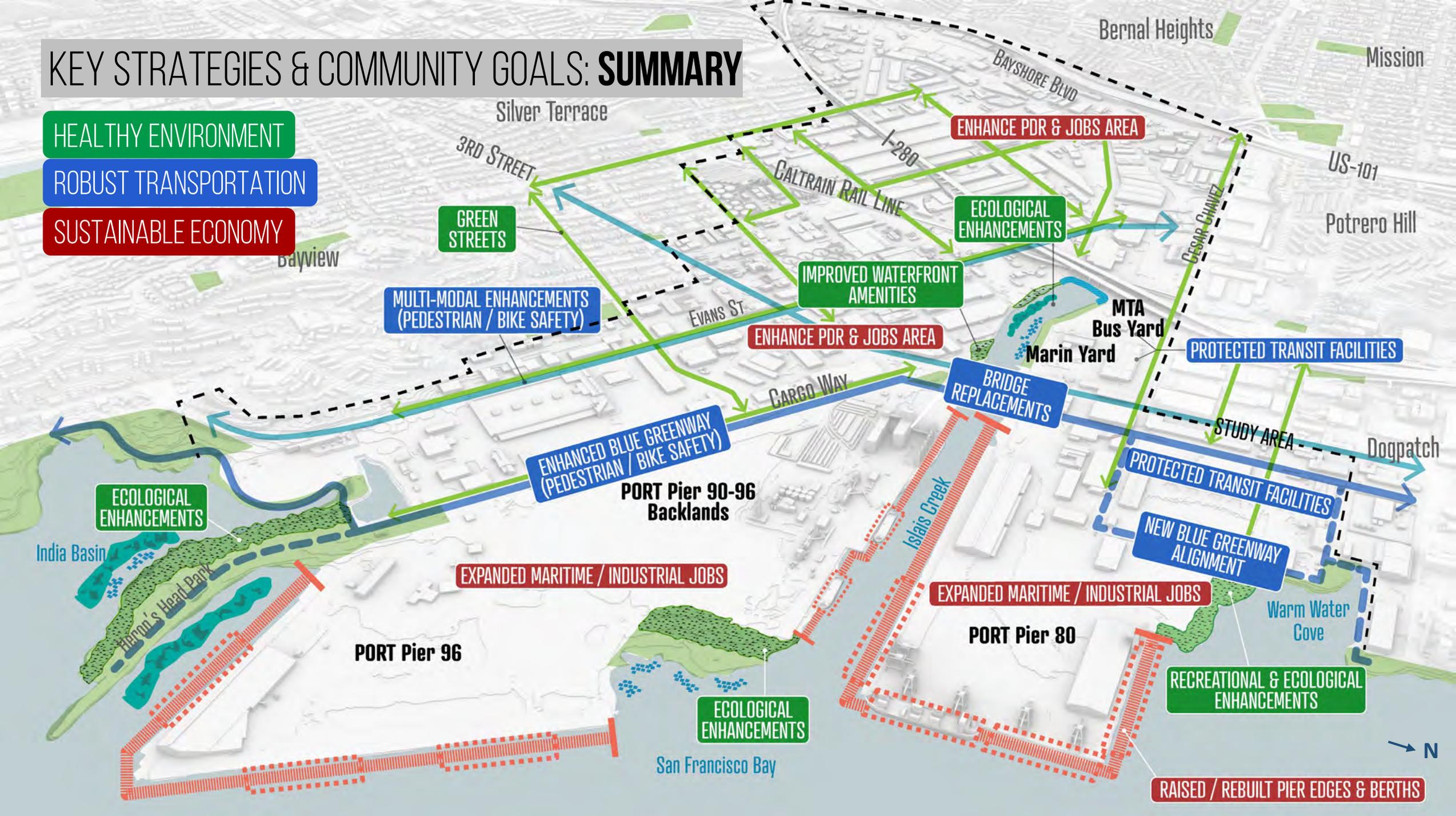


KEY STRATEGIES & COMMUNITY GOALS: SUMMARY

HEALTHY ENVIRONMENT

ROBUST TRANSPORTATION

SUSTAINABLE ECONOMY



GREEN STREETS

MULTI-MODAL ENHANCEMENTS (PEDESTRIAN / BIKE SAFETY)

ENHANCE PDR & JOBS AREA

ECOLOGICAL ENHANCEMENTS

IMPROVED WATERFRONT AMENITIES

ENHANCE PDR & JOBS AREA

PROTECTED TRANSIT FACILITIES

ENHANCED BLUE GREENWAY (PEDESTRIAN / BIKE SAFETY)

BRIDGE REPLACEMENTS

PROTECTED TRANSIT FACILITIES

NEW BLUE GREENWAY ALIGNMENT

ECOLOGICAL ENHANCEMENTS

PORT Pier 90-96 Backlands

EXPANDED MARITIME / INDUSTRIAL JOBS

EXPANDED MARITIME / INDUSTRIAL JOBS

PORT Pier 80

ECOLOGICAL ENHANCEMENTS

RECREATIONAL & ECOLOGICAL ENHANCEMENTS

RAISED / REBUILT PIER EDGES & BERTHS





WHAT DO YOU THINK?

COMMUNITY FEEDBACK

20-MINUTE BREAK-OUT GROUPS WITH REPORT-BACK



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



What potential community benefits or amenities feel most exciting to you?



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



NEXT STEPS

ICSMAS PROJECT PROCESS & TIMELINE

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- Combined Flood Model
- Key Assets Selection

- **Engagement**

- ✓ 3 In-Person Workshops
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- Adaptation (Exploratory) Scenarios

May 2021

- **Adaptation Strategies & Pathways**

- Asset Scale
- District Scale

- **Engagement**

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- ✓ Stakeholder Circle-Back Event
- ✓ Commission & Board Hearings

- **Economic Analysis**

- **Implementation & Financing Strategy**

June 2021

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Multi-Agency Coordination & Integration

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COMMUNITY CIRCLE-BACK



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