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

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

Photo courtesy of the Port of San Francisco
SAN FRANCISCO **INTEGRATED CLIMATE RESILIENCE**

- **Economic Recovery Plan & Implementation**
- **General Plan Safety & Resilience Element Update**
- **Hazard & Climate Resilience Plan**
- **Climate Action Plan**
- **Isais Creek Adaptation Strategy**
- **Ocean Beach Adaptation Implementation**
- **Waterfront Resilience Program (Flood Study & Seawall)**
- **Future Waterfront Plan Update**
- **Sea Level Rise Vulnerability & Consequences Assessment**
- **Future Bayview Resilience Strategy**
WATERFRONT RESILIENCE PROGRAM & CITY EFFORTS
Supporting the Islais Creek District

PORT-WIDE
Adapt Plan
USACE Flood Resiliency Study
Floodproofing the Piers

EMBARCADERO
Embarcadero Seawall Program

MISSION CREEK / MISSION BAY
Southern Waterfront Seismic Vulnerability Assessment

ISLAIS CREEK / BAYVIEW
Southern Waterfront Seismic Vulnerability Assessment
Islaic Creek Adaptation Strategy

RELATED PORT PROJECTS
Project SLR Adaptations
Utilities Projects
Waterfront Plan
Historic Pier Rehabilitation
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
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

- Silver Terrace Hill
- Bernal Hill
- Mission
- Potrero Hill
- Bayview Hill

**Study Area**: The area shaded in pink represents the land created with fill.

**Original Shoreline**: The dotted line indicates the original shoreline.

**Land Created With Fill**: The area within the pink shaded region is the land created with fill.

**India Basin**

**San Francisco Bay**

**Isle's Creek**

**Warm Water Cove**
KEY ASSETS AT RISK, ICSMAS FOCUS
TODAY’S FLOOD RISK: 100-YR COASTAL & RAIN EVENTS

COMBINED TEMPORARY FLOODING
TODAY’S FLOOD IMPACTS

COMBINED TEMPORARY FLOODING

- Damage to Property
- Structure Cleanup
- Transit Disruption: Citywide Bus Lines
- Interruption to Business
- Interruption to Public Services
- Loss of Community Amenities
- Damage to Area Infrastructure (Recology MRF)
2050: 23" SLR + 100-yr storm = 64" coastal impacts

Combined temporary flooding
Sea level rise inundation
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

Damage to Property Structure

Property Cleanup

Damage to Area Infrastructure (SE Treatment Plant)

Transit Disruption: Citywide Bus Lines

Transit + Traffic Disruption: 3rd St Muni Line

Interruption to Public Services

Interruption to Businesses

Interruption to Businesses

Loss of Community Amenities

Damage to Area Infrastructure (Recology MRF)

Damage to Area Infrastructure (Recology MRF)
SHORELINE ADAPTATION APPROACHES
KEY STRATEGIES & COMMUNITY GOALS

ROBUST TRANSPORTATION

MULTI-MODAL ENHANCEMENTS (PEDESTRIAN / BIKE SAFETY)

ENHANCED BLUE GREENWAY (PEDESTRIAN / BIKE SAFETY)

PORT Pier 90-96 Backlands

PORT Pier 96

PORT Pier 80

MTA Bus Yard

Marin Yard

PROTECTED TRANSIT FACILITIES

NEW BLUE GREENWAY ALIGNMENT

STUDY AREA

CARGO WAY

BAYSHORE BLVD

I-280

3RD STREET

Silver Terrace

Bayview

Bernal Heights

Mission

Potrero Hill

Dogpatch

India Basin

Hamilt's Best Park

Main Creek

Warm Water Cove

San Francisco Bay
KEY STRATEGIES & COMMUNITY GOALS

HEALTHY ENVIRONMENT

ECOLOGICAL ENHANCEMENTS

GREEN STREETS

IMPROVED WATERFRONT AMENITIES

ECOLOGICAL ENHANCEMENTS

PORT Pier 90-96 Backlands

PORT Pier 80

MTA Bus Yard

Islands Creek Bridge

Illinois St Bridge

Warm Water Cove

Echo's Head Park

India Basin

San Francisco Bay

Bernal Heights

Mission

Potrero Hill

Dogpatch

Silver Terrace

Bayview

STUDY AREA

N

RECREATIONAL & ECOLOGICAL ENHANCEMENTS
KEY STRATEGIES & COMMUNITY GOALS: SUMMARY

HEALTHY ENVIRONMENT

ROBUST TRANSPORTATION

SUSTAINABLE ECONOMY
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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  - Asset Scale
  - District Scale
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**Multi-Agency Coordination & Integration**
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COMMUNITY CIRCLE-BACK

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MAY 2021