City of San Mateo Climate Adaptation Plan for Sea Level Rise Public Workshop #1

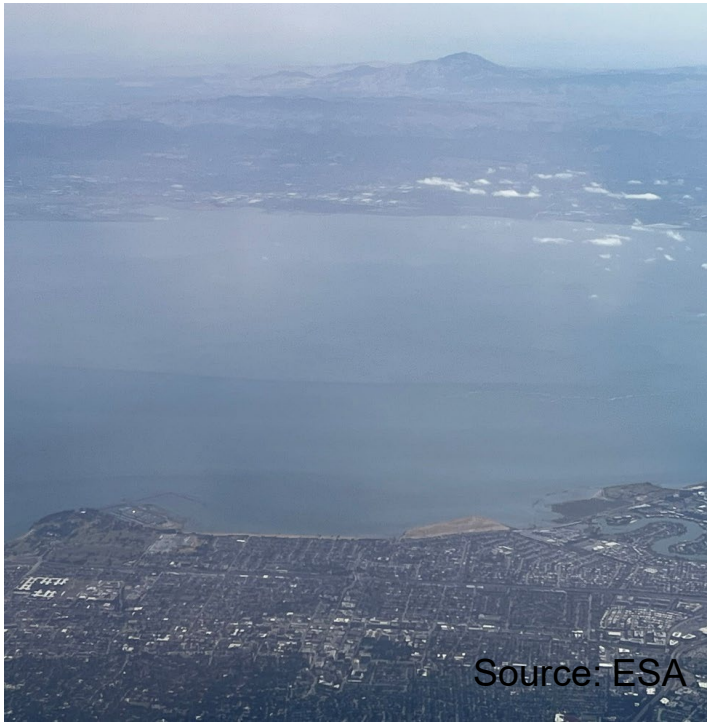


Source: ESA

October 6, 2026

Public Workshop #1 Agenda

- Welcome
  - Introductions (5 min)
- Presentation (20 min)
  - Project Background and Goals
  - Existing Conditions
  - Vulnerability Assessment
- Questions and Answers (15 min)
- Breakout Stations (45 min)
- Report Out / Next Steps (5 min)



Workshop Purpose

- Introduce you to the City's Climate Adaptation Plan
- Provide an opportunity for you to give us input

Welcome and Introductions

City of San Mateo Project Team

- Andrea Chow, Business Manager / Project Manager
- James Yang, Senior Engineer
- Somer Smith, Senior Planner

Consultant Team

ESA

SUBCONSULTANTS

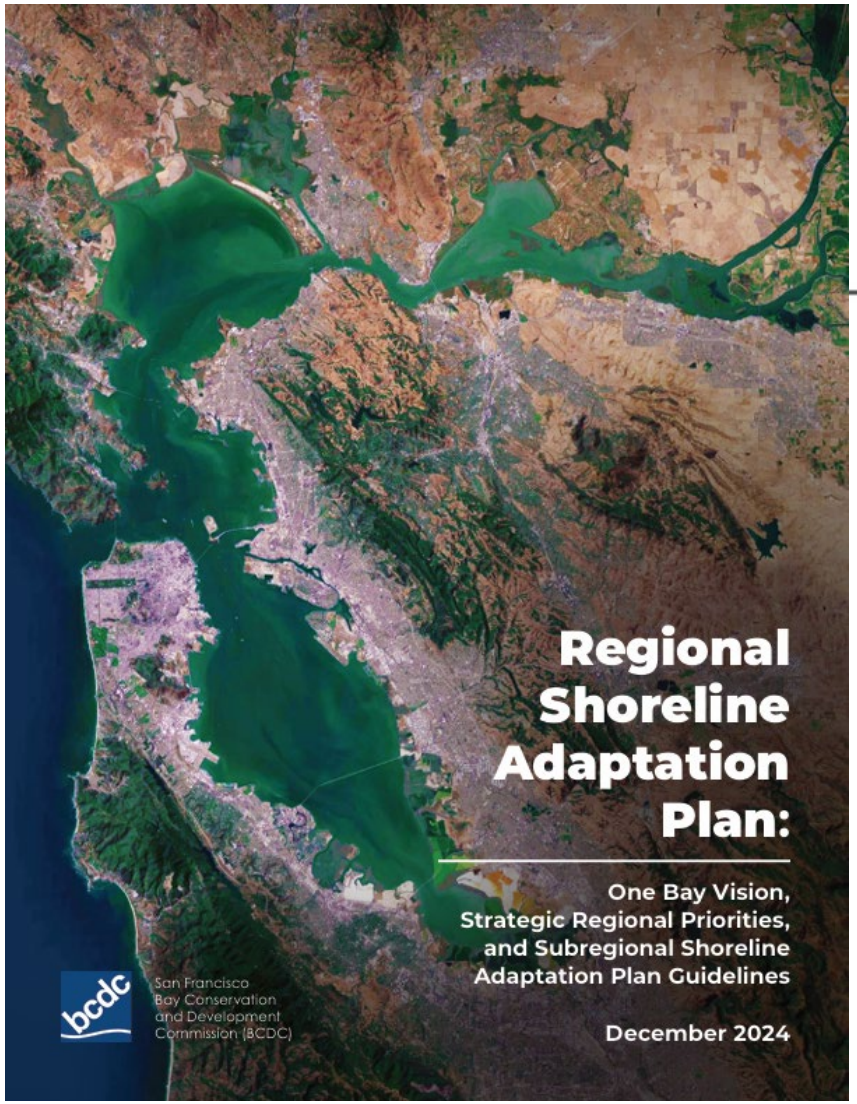
Geosyntec consultants

PARADIGM

This plan is funded by a Caltrans Sustainable Transportation Planning Grant

Project Background and Goals

Project Background – New State Requirements



SECTION 3: SUBREGIONAL SHORELINE ADAPTATION PLAN GUIDELINES

Subregional Plans: Defines what a Subregional Shoreline Adaptation Plan is and the roles and responsibilities of cities and counties in BCDC's jurisdiction to complete plans per SB 272.

Subregional Plan Elements: Contains Plan requirements that local governments within BCDC's jurisdiction must meet when submitting Subregional Plans. The Plan requirements are organized into the following elements:

- A Planning Process
- B Existing Conditions
- C Vulnerability Assessment
- D Adaptation Strategies and Pathways
- E Land Use and Policy Plan
- F Project Implementation Plan and Funding Strategy
- G Project List

Minimum Standards: Certain Guidelines require compliance with minimum standards to provide regional consistency and support local and regional outcomes. The minimum standards are organized in the following four standards:

- Coastal Flood Hazards and Sea Level Rise Scenarios Standard
- Minimum Categories and Assets Standard
- Equity Assessment Standard
- Adaptation Strategy Standards

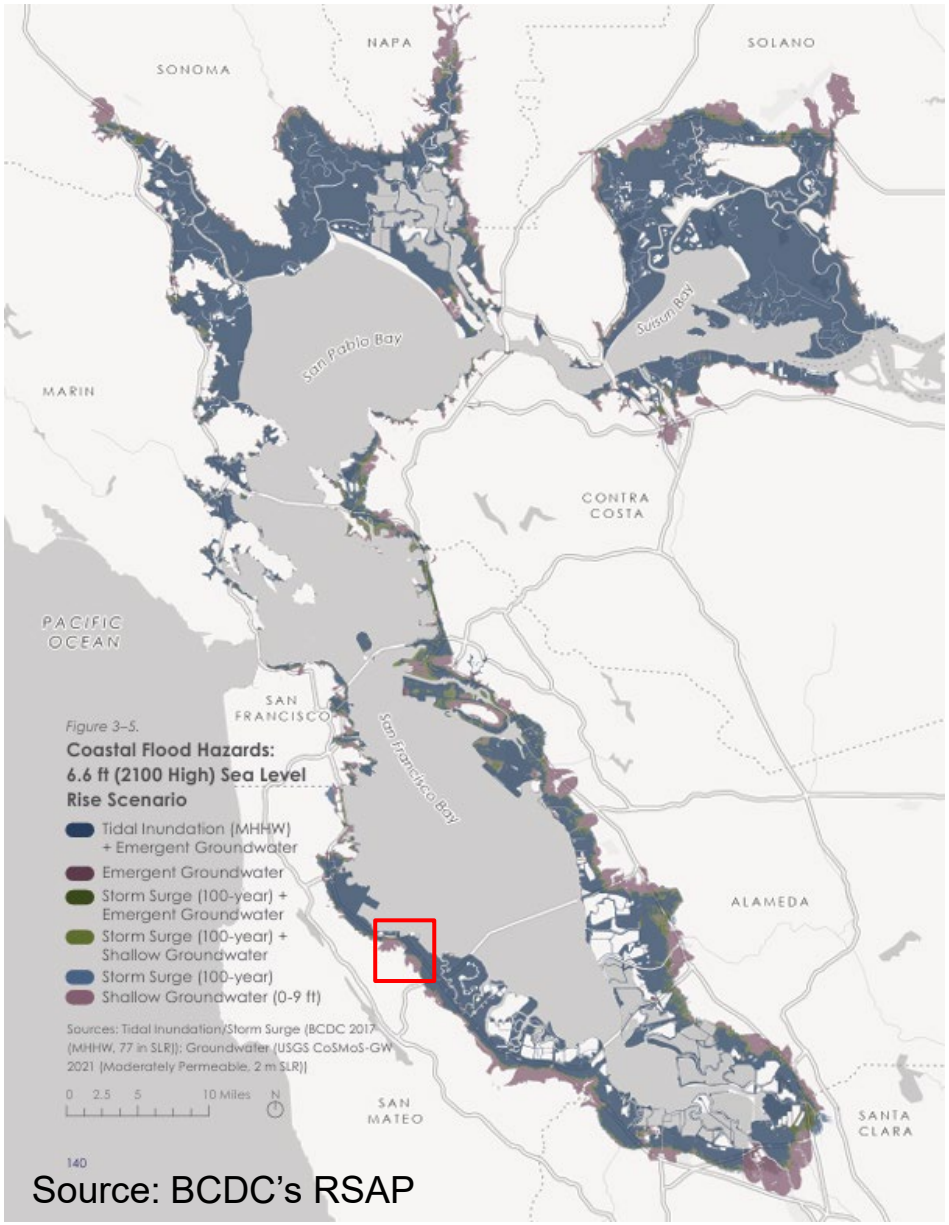
Plan Submission, Approval, and Update Process: Describes the process for submitting Subregional Plans to BCDC for review and approval, and the Subregional Plan update schedule.

Project Background – Community Concern



Coyote Point during a king tides event.
Source: California King Tides Project

Project Background – Flood Risk



Source: BCDC's RSAP



Source: USGS Historic Topo 1892



Source: BCDC's RSAP Atlas

Technical Advisory Committee Members

- City of San Mateo
- San Mateo County
- OneShoreline
- Neighboring Cities
  - Foster City
  - Burlingame
  - Belmont
- Special districts
  - SFPUC
- State agencies
  - BCDC
  - Caltrans

Project Background – City's Climate Adaptation Plan

- Existing Conditions → Inventory of what is in the study area
- Vulnerability Assessment → Are those 'assets' vulnerable to flooding?
- Adaptation Strategies → What are our options for addressing the flood risk?
- Land Use and Policy Plan → How could the City change the General Plan and Zoning to address the flood risk for future development?
- Implementation Plan → How could the City finance and construct these strategies
- Priority Project List → What are the City's top priorities?

Opportunities for Engagement and Input

Meeting #1 – Oct ‘26
Existing Conditions and Vulnerability Assessment
(Elements B, C)

Meeting #2 – July ‘27
Vulnerability Assessment and Adaptation Strategies
(Elements C, D)

Meeting #3 – Feb ‘28
Draft Climate Adaptation Plan
(Elements D, E, F, G)

Scan for the Project Website:

Then scroll to:

How to Get Involved
Sign up for Email Alerts (check the "Sustainability News and Events" list) to receive project updates, event announcements, and feedback opportunities.

Existing Conditions Analysis (Element B)

City's Climate Adaptation Plan

- Existing Conditions → Inventory of what is in the study area
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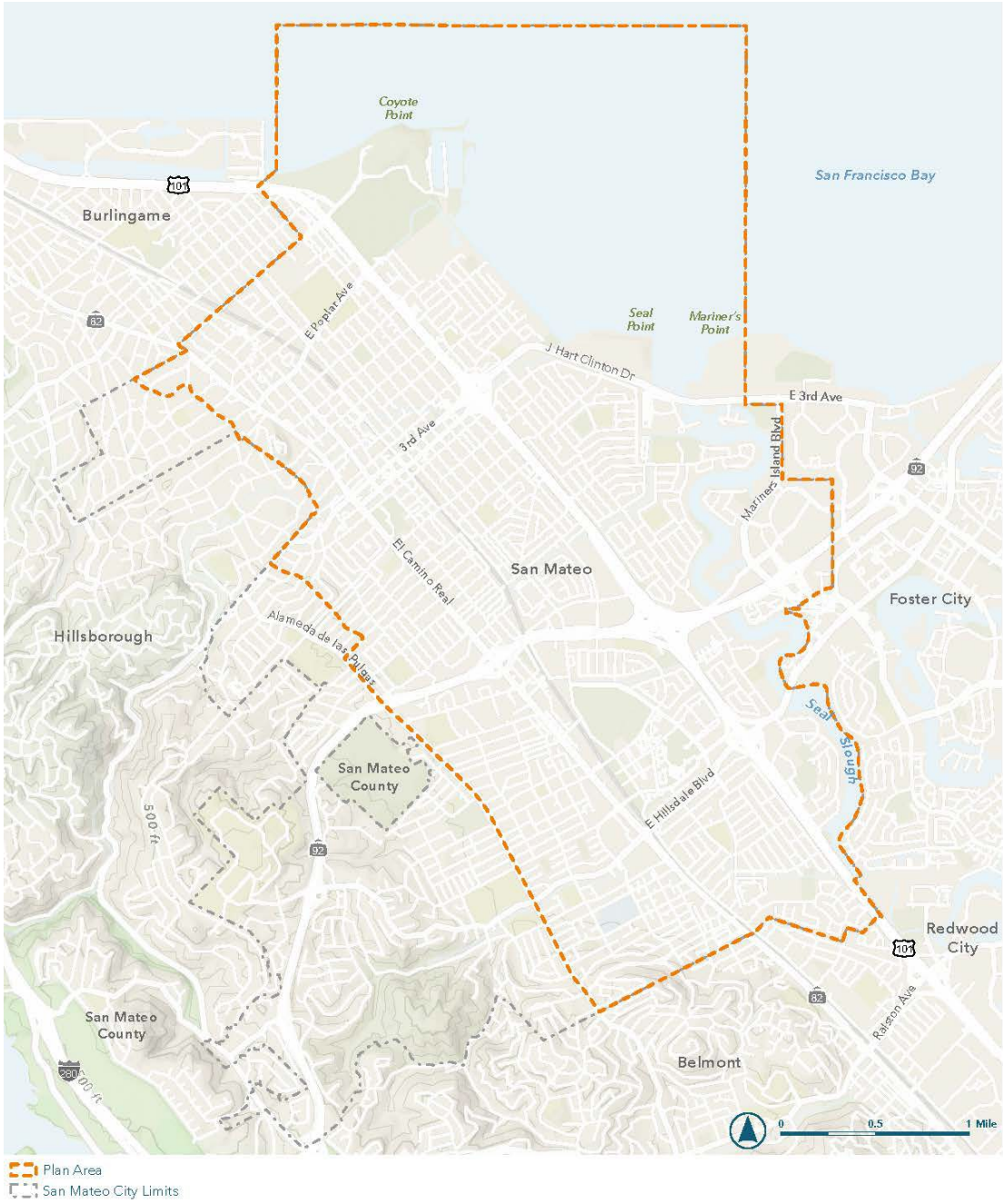
Existing Conditions (Element B)

- Existing Plans / Studies
- Physical and Ecological Characteristics
- Populations, Assets, Sectors, Services, and Land Uses

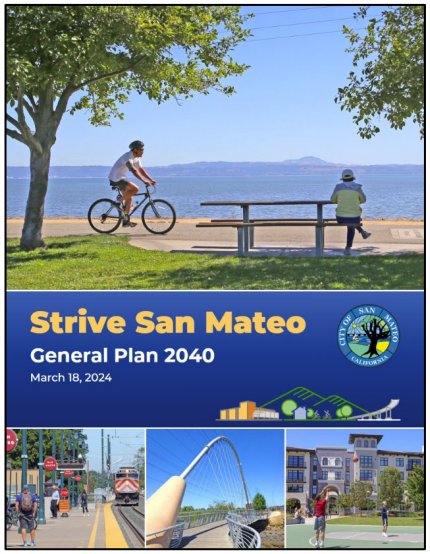


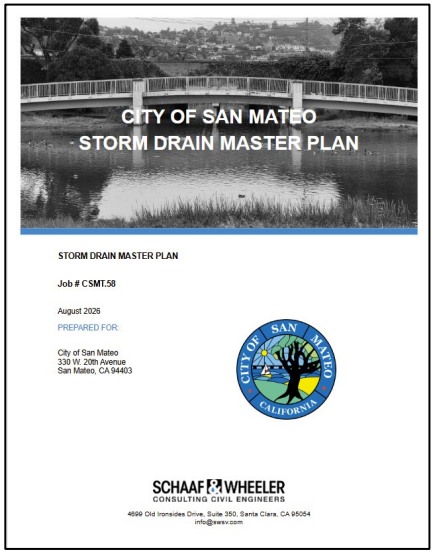
Existing Armoring near Seal Point at King (Extreme High) Tide. Source: ESA

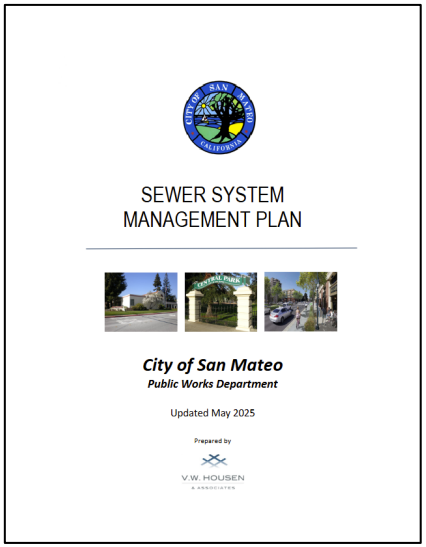
Plan Area

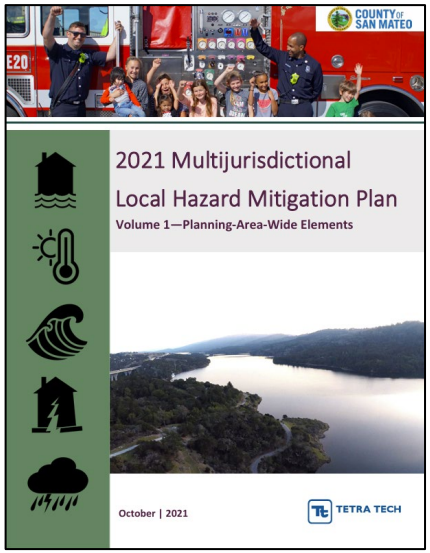

Coyote Point
San Francisco Bay
Burlingame
Seal Point
Mariner's Point
El Poplar Ave
J Hart Clinton Dr
E 3rd Ave
3rd Ave
Mariners Island Blvd
El Camino Real
San Mateo
Foster City
Hillsborough
Alameda de las Pulgas
Seal Slough
San Mateo County
E Hillsdale Blvd
500 ft
Redwood City
San Mateo County
Belmont
Ralston Ave
0
0.5
1 Mile
Plan Area
San Mateo City Limits

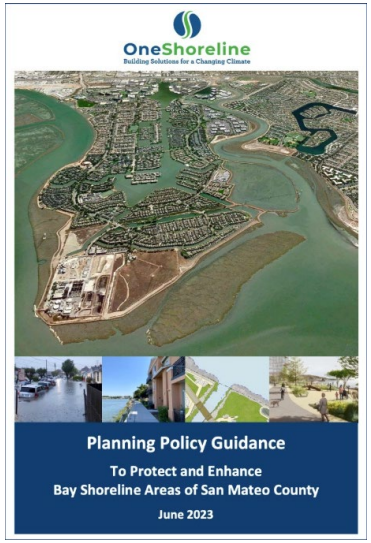
Existing Conditions - Existing Plans / Studies

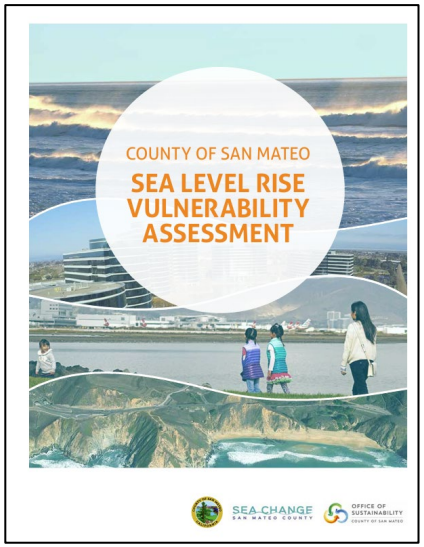


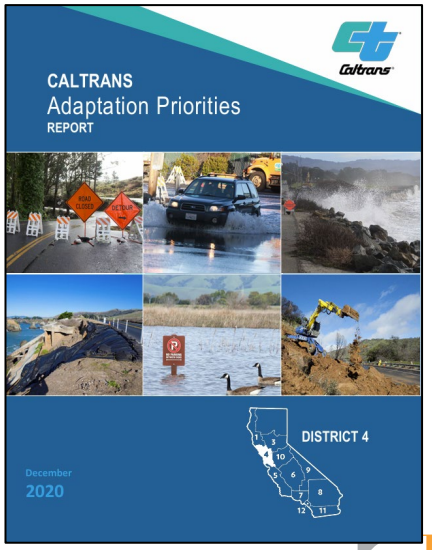










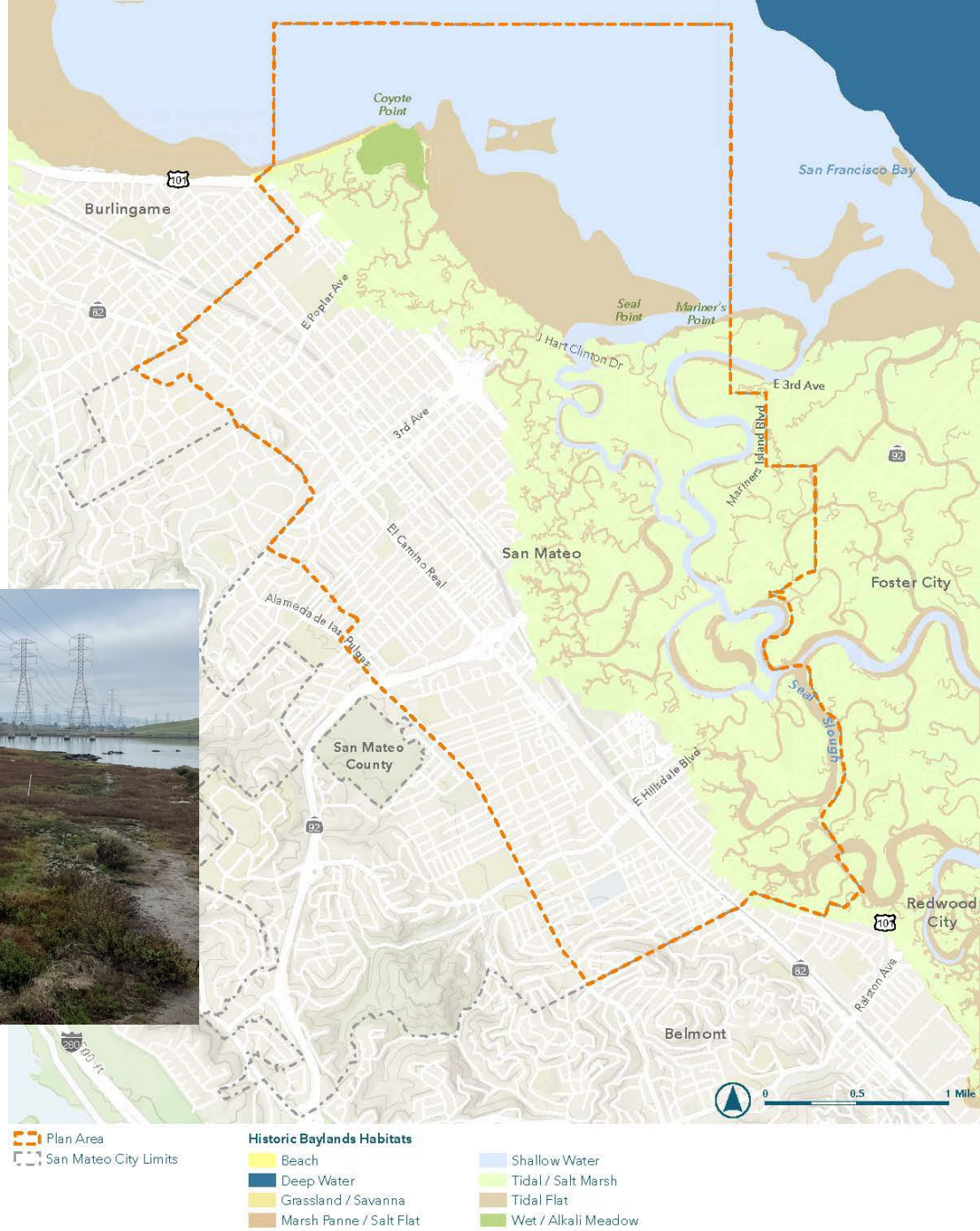


Existing Conditions – Physical and Ecological

Historic Baylands Habitats



Tidal Marsh at Mariner's Point. Source: ESA.



Existing Conditions – Physical and Ecological

Existing Baylands Habitats

Opportunity for input during breakout sessions:

We want to know if/how you interact with Baylands habitats!

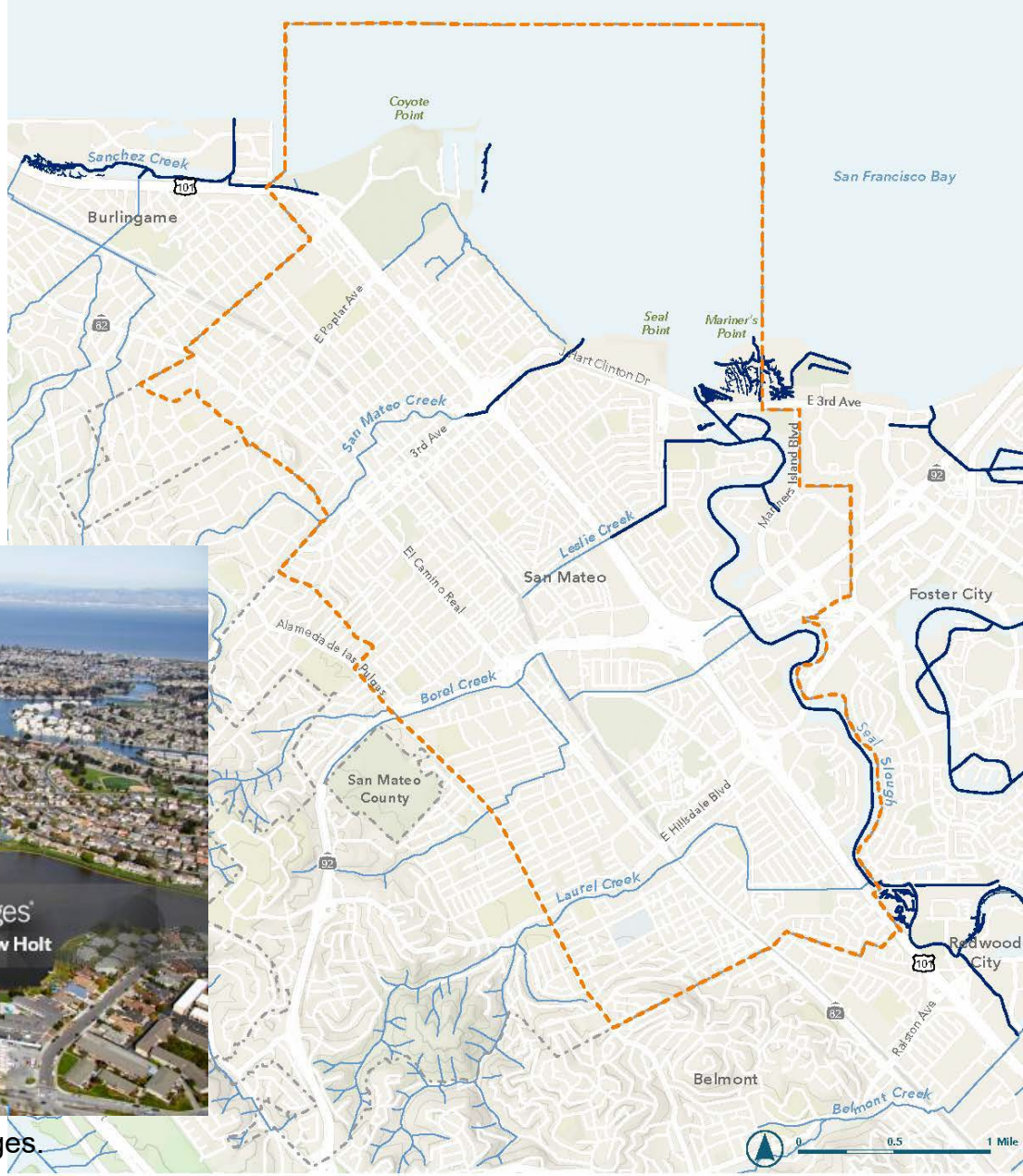


Existing Conditions - Physical and Ecological

Creeks and Channels Connected to the Bay



Seal Slough / Marina Lagoon. Source: Getty Images.

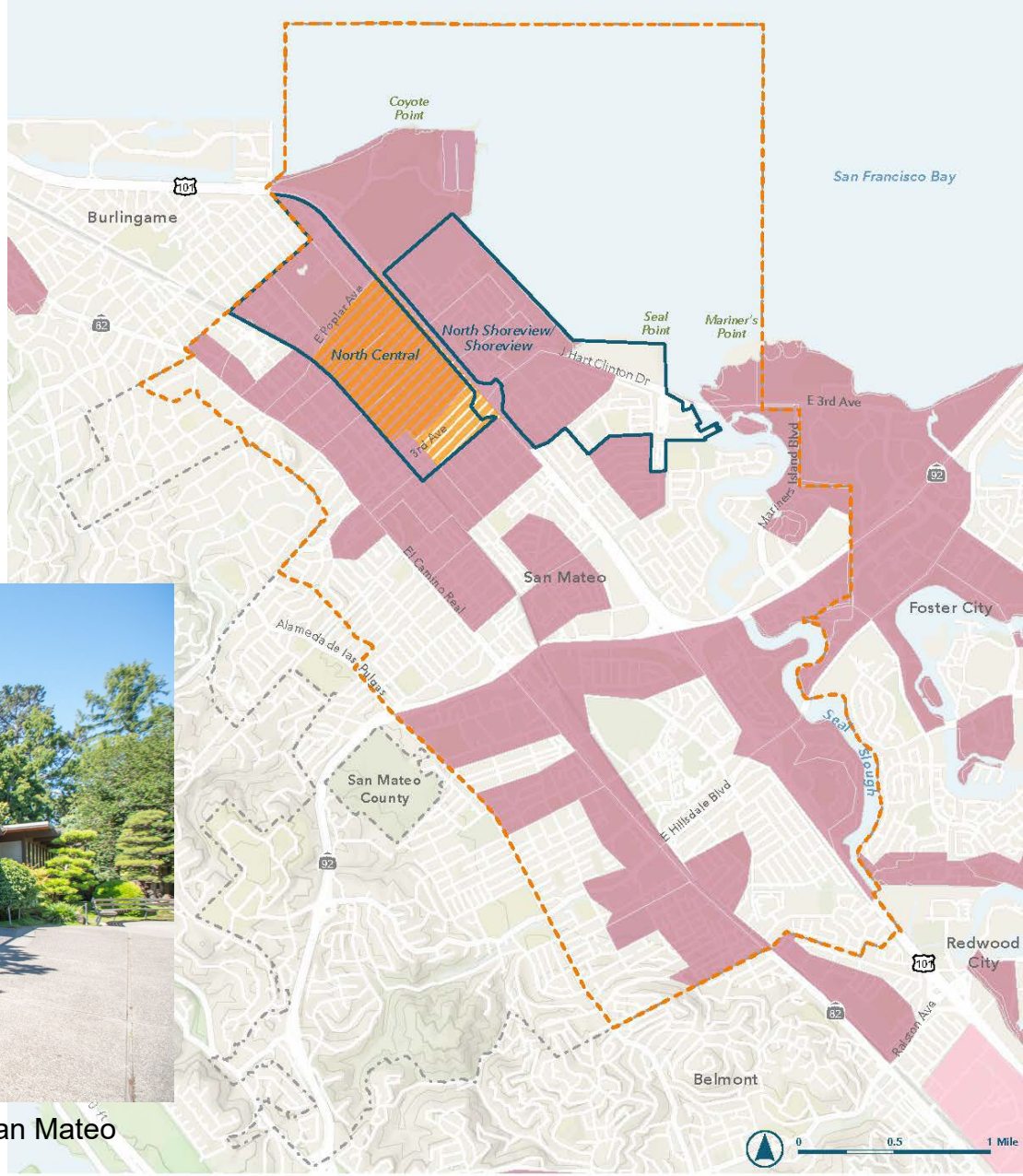


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Community Health and Well-being



Central Recreation Center. Source: City of San Mateo

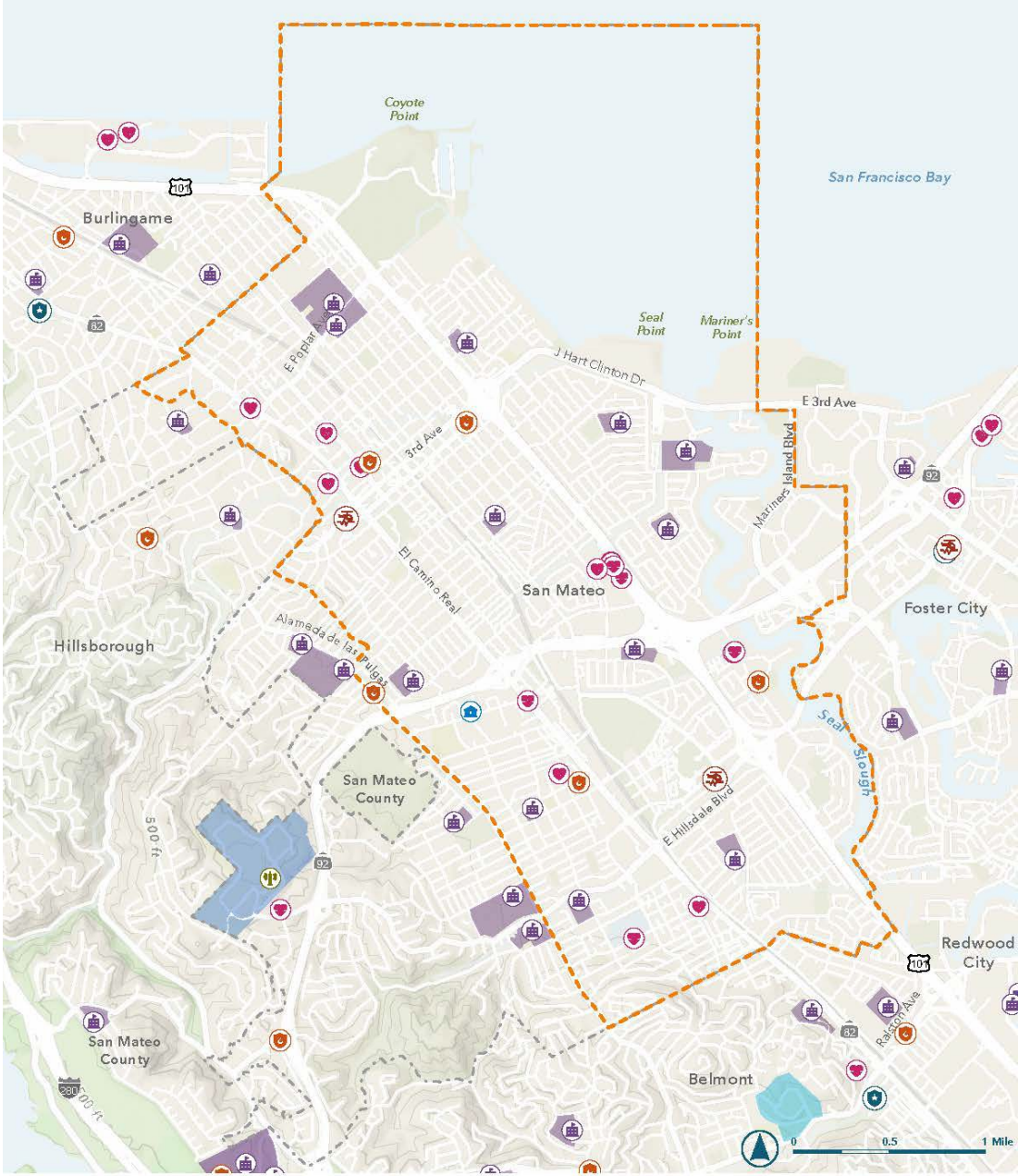


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Community Facilities

Opportunity for input during the breakout sessions:

Help us in identifying community assets and services that are important to you!

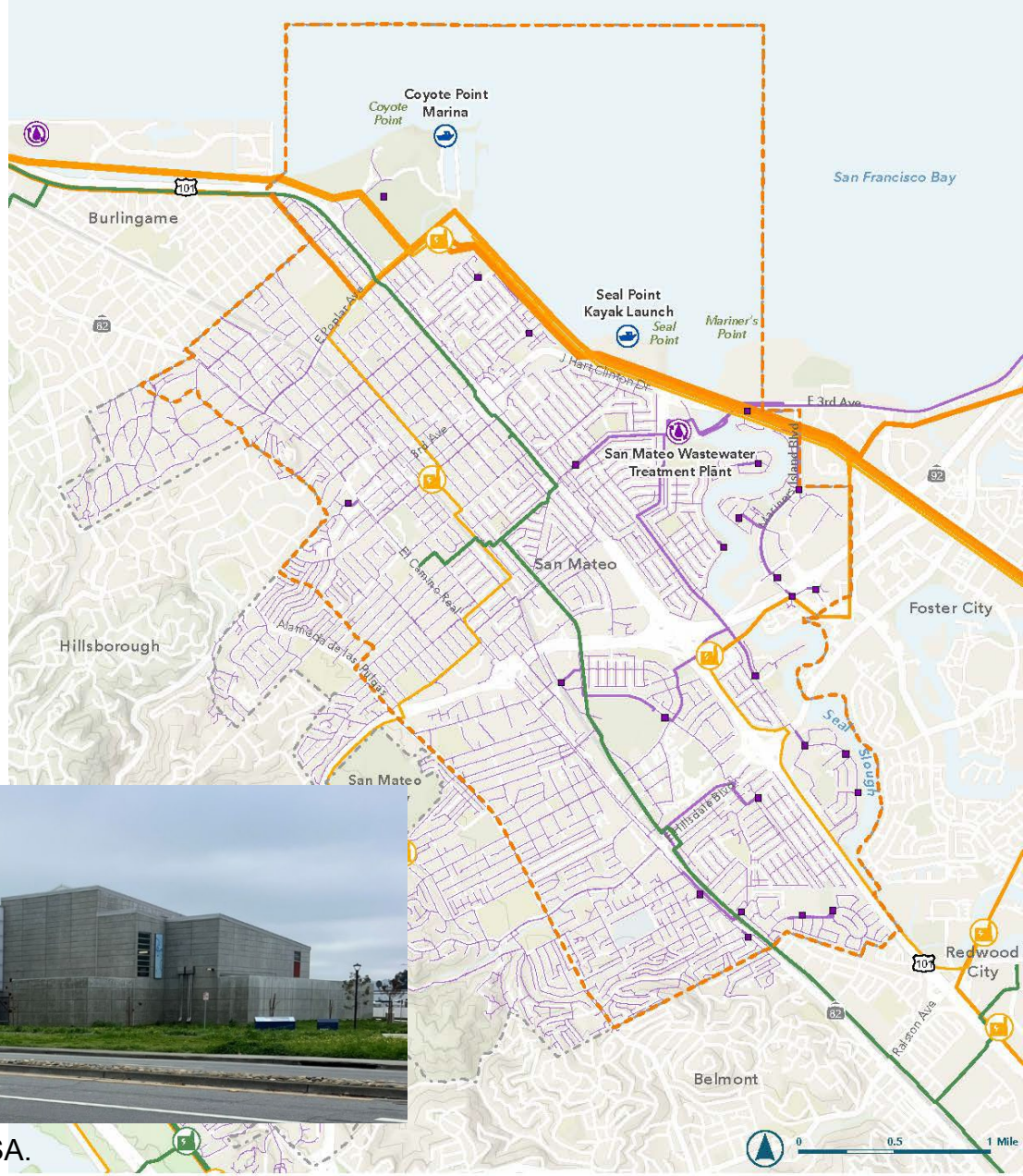


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Critical Infrastructure and Services - Utilities



San Mateo Wastewater Treatment Plant. Source: ESA.

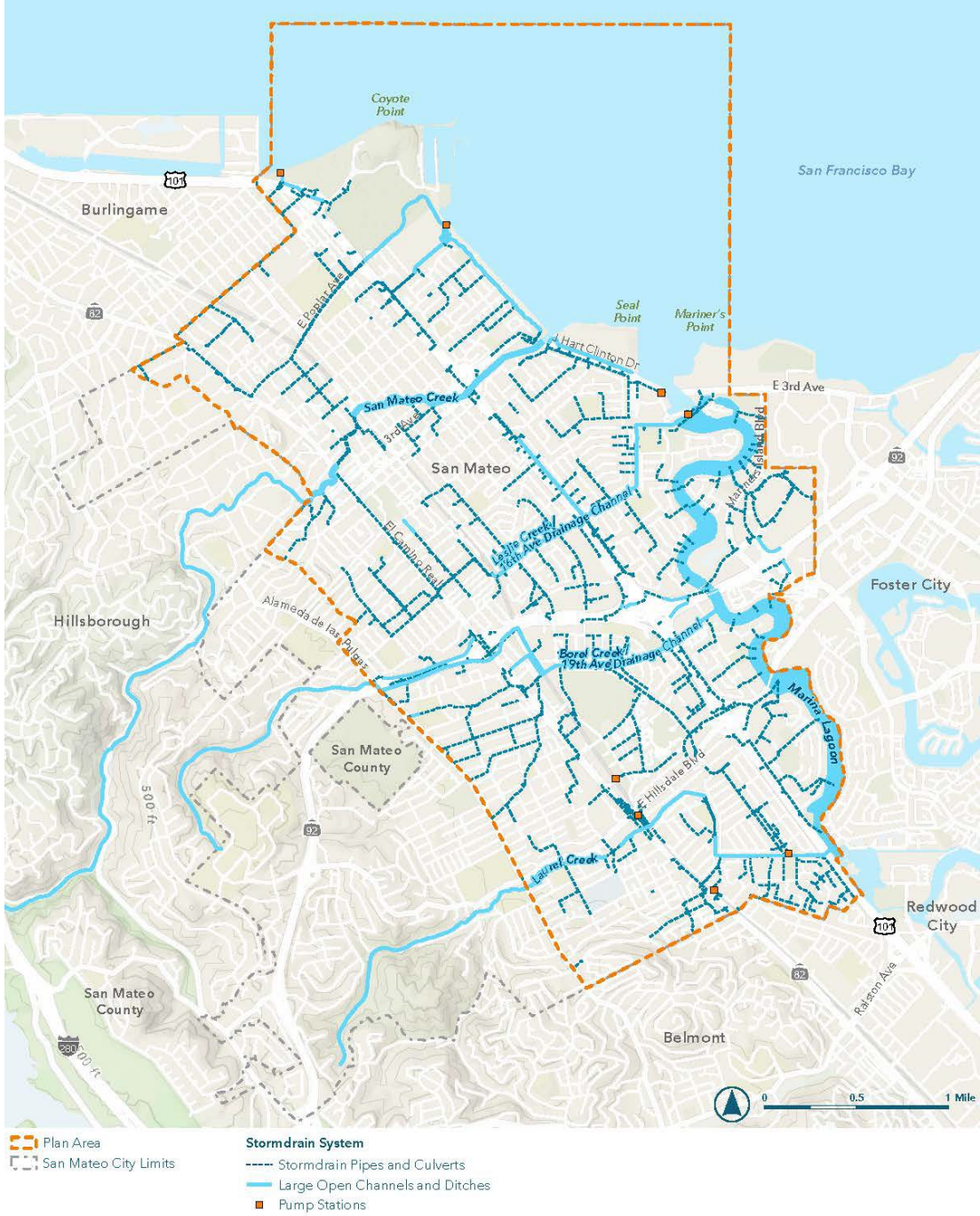


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Critical Infrastructure and Services – Storm Drains

Opportunity for input during breakout sessions:

We want to know which services are most critical for you and whether your community has experienced service disruptions.

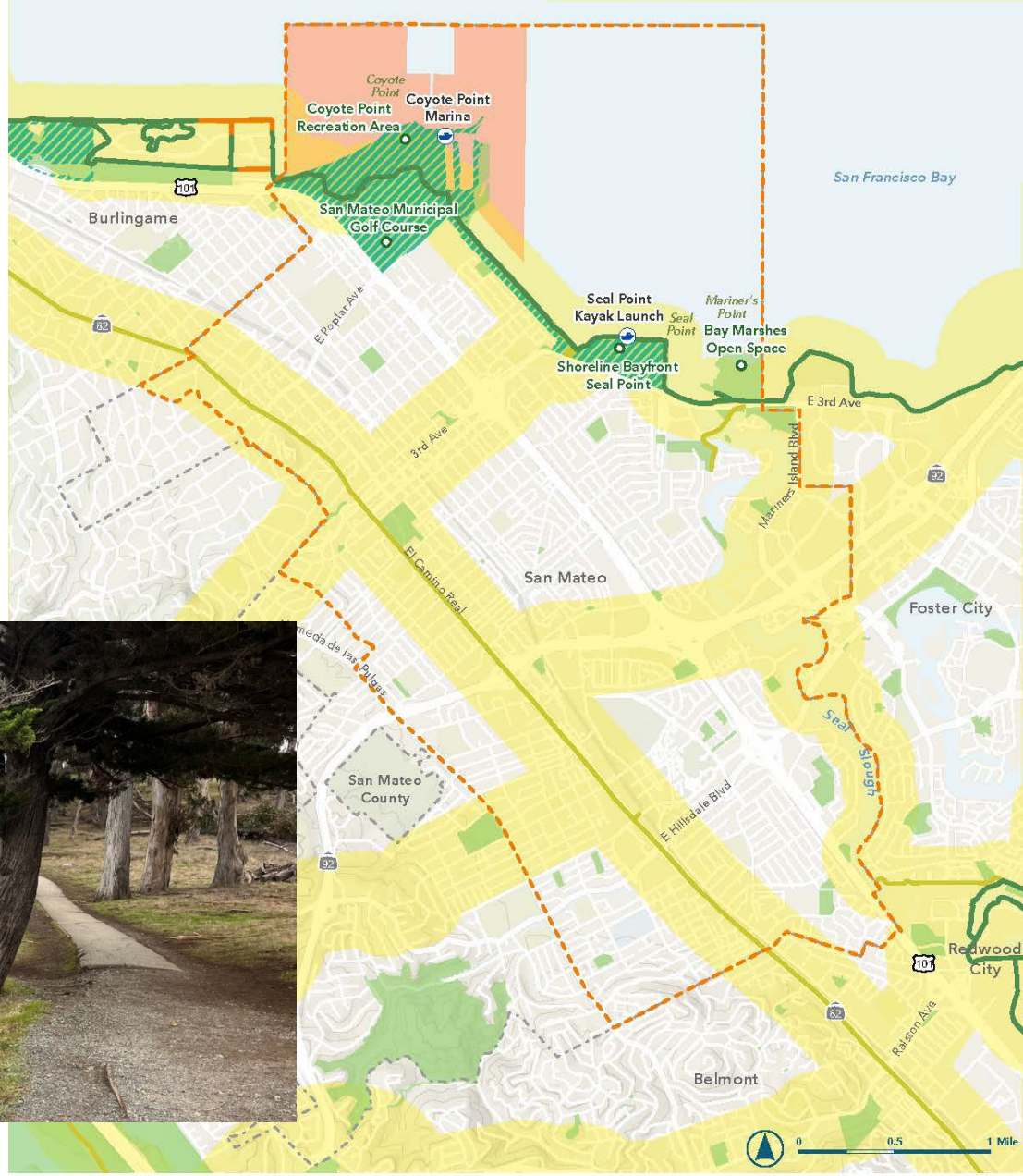


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Public Access and Recreation



Coyote Point Recreation Area. Source: ESA.

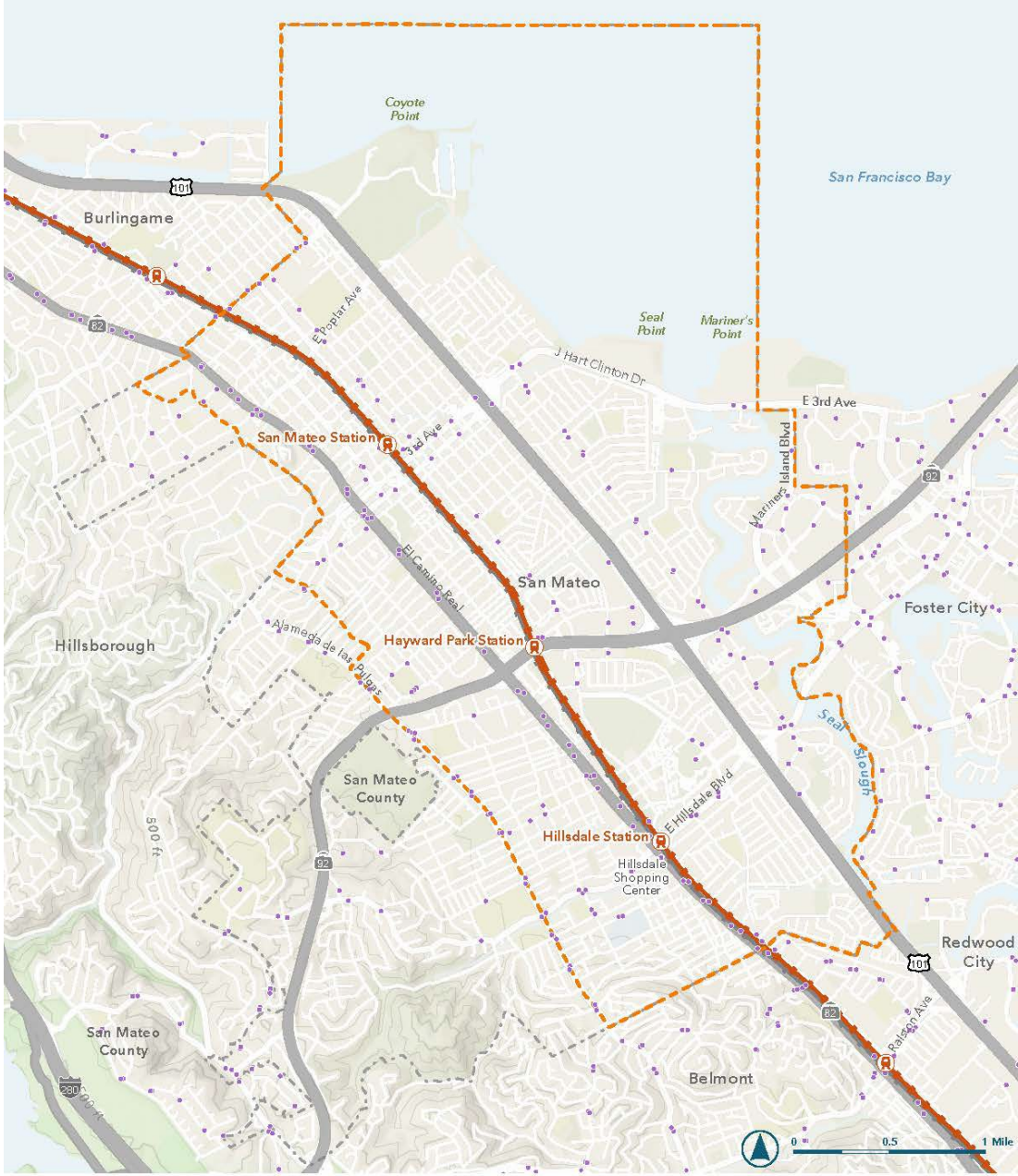


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Transportation and Transit

Opportunity for input during breakout sessions:

We want to know if you have any challenges with transportation mobility and affordability.

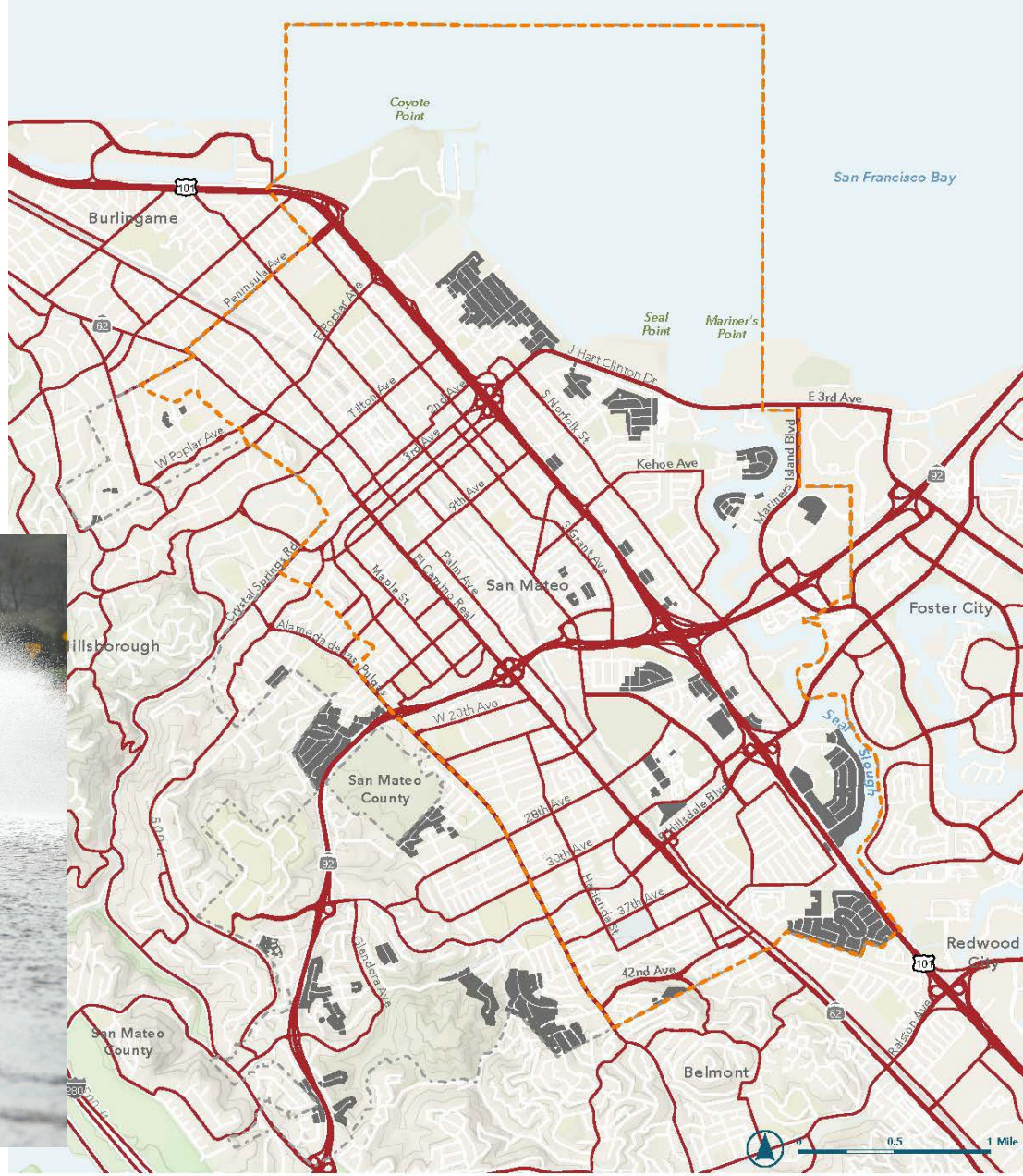


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Evacuation Routes



Flooded Roads. Source: Mercury News.

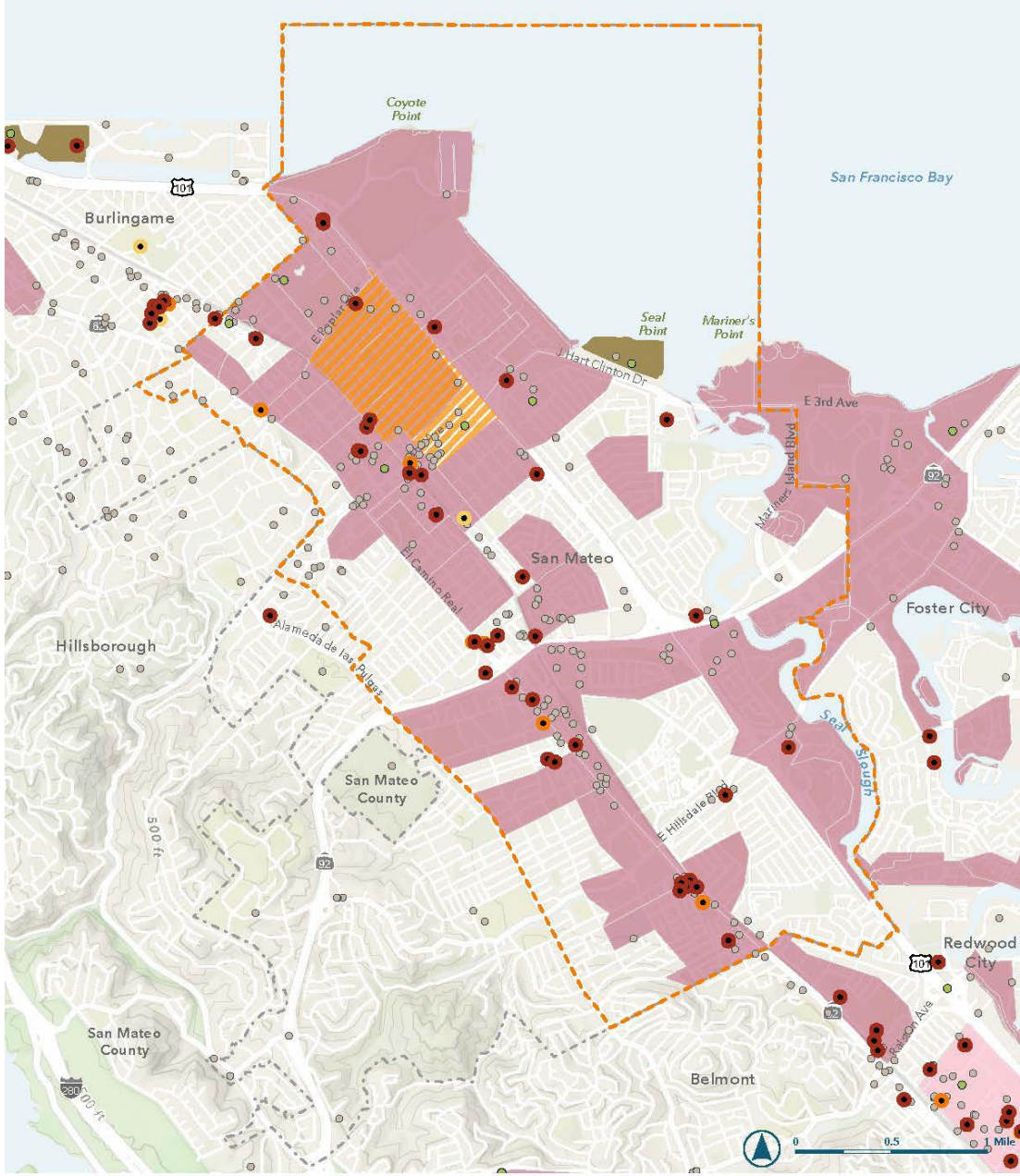


Existing Conditions – Populations, Assets, Sectors, Services and Land Uses

Shoreline Contamination

Opportunity for input during breakout sessions:

We want to know if you have any health concerns related to contamination or unidentified contaminated sites in your neighborhood.



Vulnerability Assessment (Element C)

City's Climate Adaptation Plan

- Existing Conditions → Inventory of what is in the study area
- Vulnerability Assessment → Are those 'assets' vulnerable to flooding?
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Vulnerability Assessment

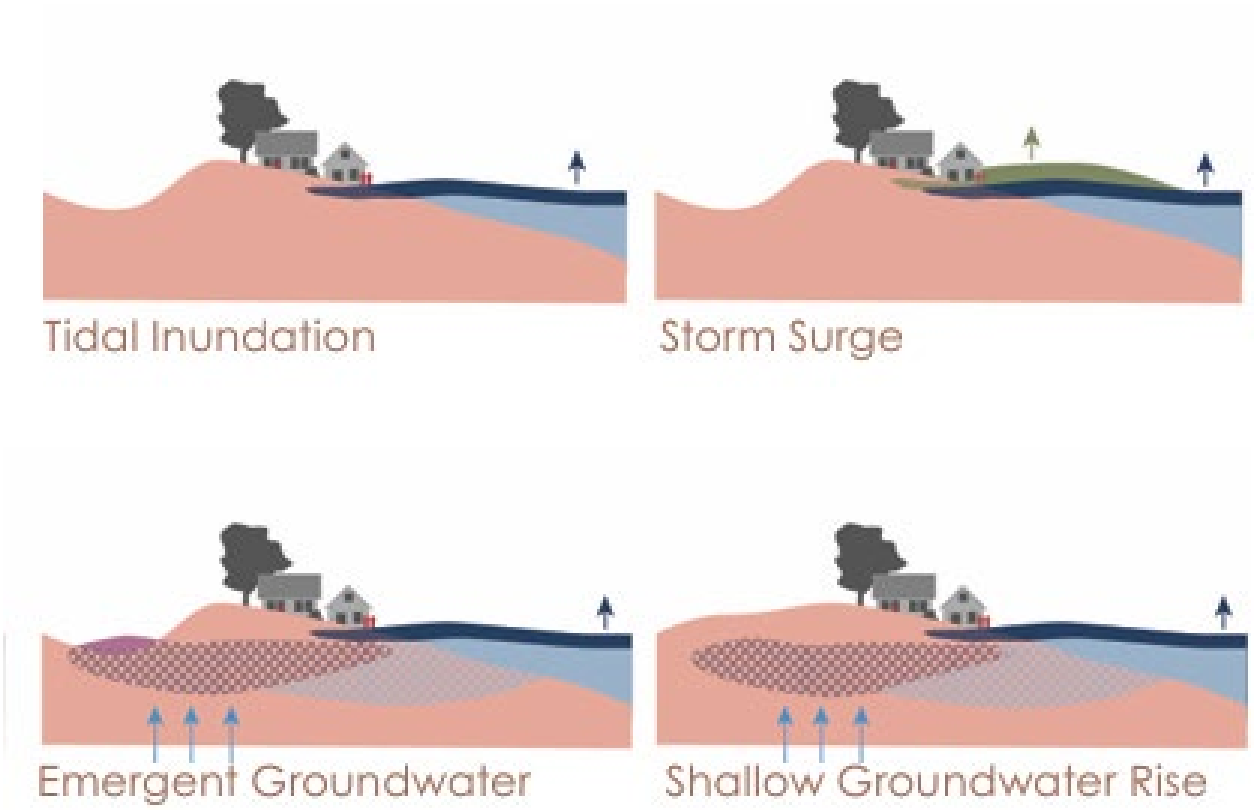
- Asset Exposure Analysis
  - Exposure to coastal flood hazards
  - Shoreline Flood Risk Conditions
  - Potential Cost of Damages from Inaction
- Vulnerability Assessment for Priority Areas
  - Identify Priority Areas
  - Assess Vulnerability
  - Summarize Vulnerability
  - Timing and Phasing



Flooding on San Miguel Way, in “The Village,” during 2022-2023 atmospheric river events. Source: Flood-Free San Mateo

Vulnerability Assessment

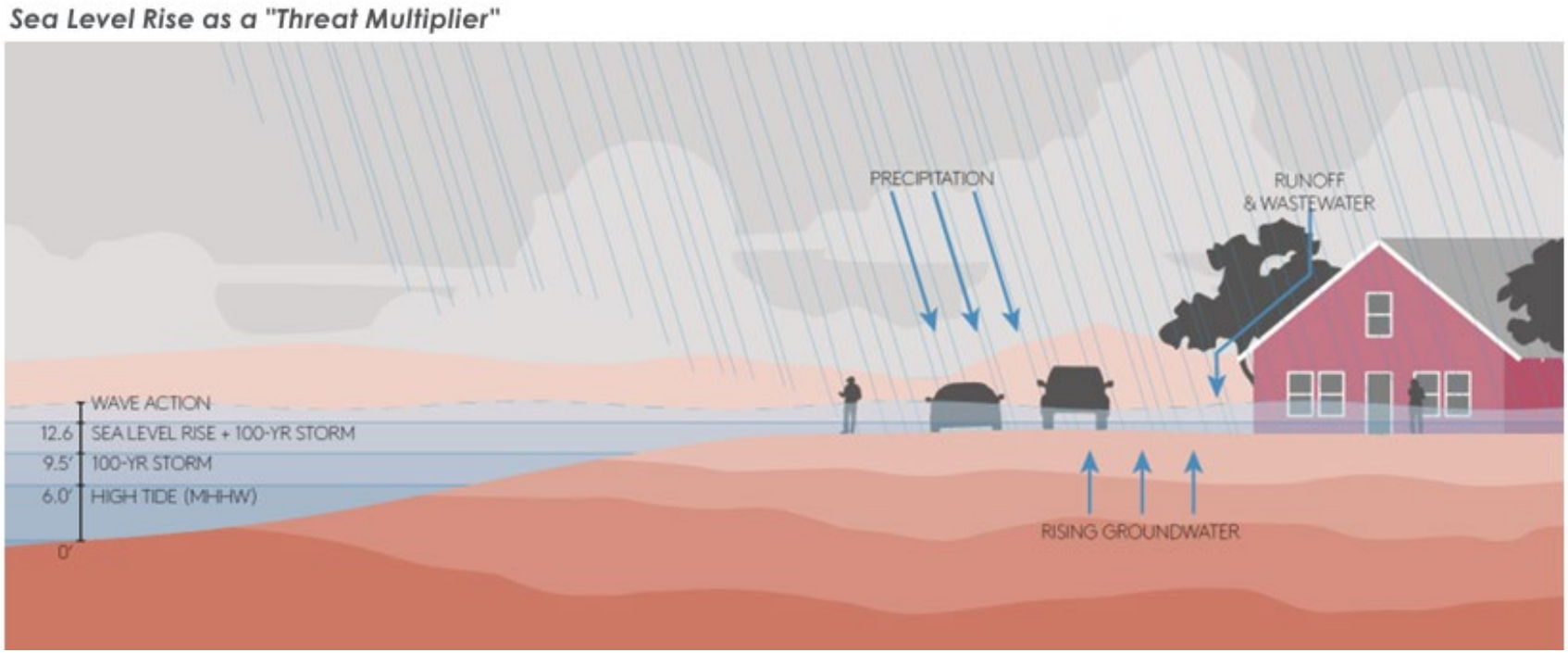
- Exposure to coastal flood hazards



Source: BCDC's RSAP

Vulnerability Assessment

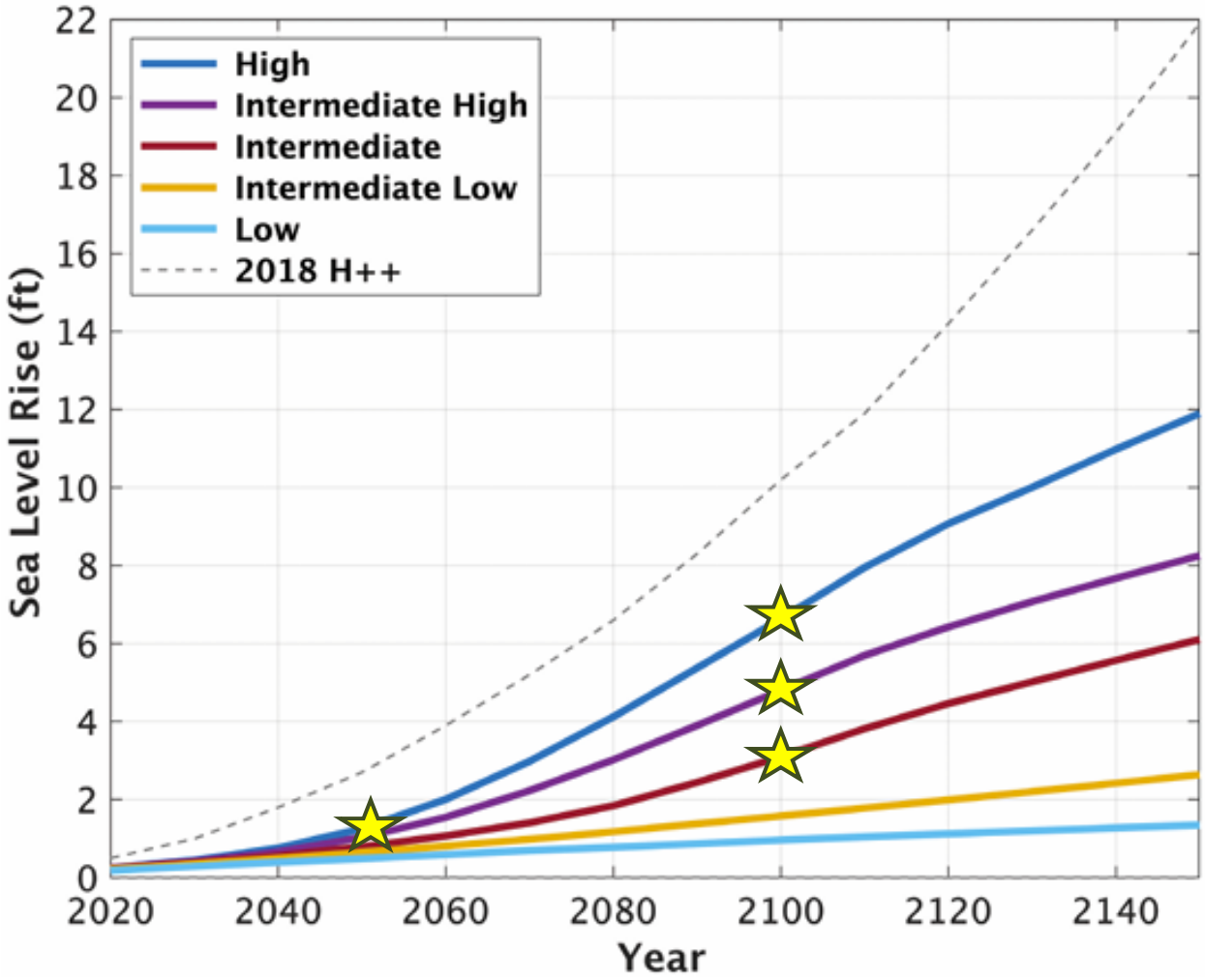
- Shoreline Flood Risk Conditions



Source: BCDC's RSAP

Vulnerability Assessment

- Sea Level Rise Scenarios



Source: OPC's State of CA Sea Level Rise Guidance, 2024

Vulnerability Assessment



Minimum Coastal Flood Hazards Required for Inclusion in Vulnerability Assessments and Adaptation Strategies and Pathways*

Sea Level Rise Scenarios	Tidal Inundation (MHHW)	Storm Surge (100-year)	Emergent Groundwater	Shallow Groundwater (<9ft)
0.8 ft (2050)	MHHW + 0.8 ft	MHHW + 3.5 ft + 0.8 ft	Groundwater that has reached the surface for 0.8 ft of sea level rise	Depth to groundwater for 0.8 ft of sea level rise
3.1 ft (2100 Intermediate)	MHHW + 3.1 ft	MHHW + 3.5 ft + 3.1 ft	Groundwater that has reached the surface for 3.1 ft of sea level rise	Depth to groundwater for 3.1 ft of sea level rise
4.9 ft (2100 Intermediate -High)	MHHW + 4.9 ft	MHHW + 3.5 ft + 4.9 ft	Groundwater that has reached the surface for 4.9 ft of sea level rise	Depth to groundwater for 4.9 ft of sea level rise
6.6 ft (2100 High)	MHHW + 6.6 ft	MHHW + 3.5 ft + 6.6 ft	Groundwater that has reached the surface for 6.6 ft of sea level rise	Depth to groundwater for 6.6 ft of sea level rise

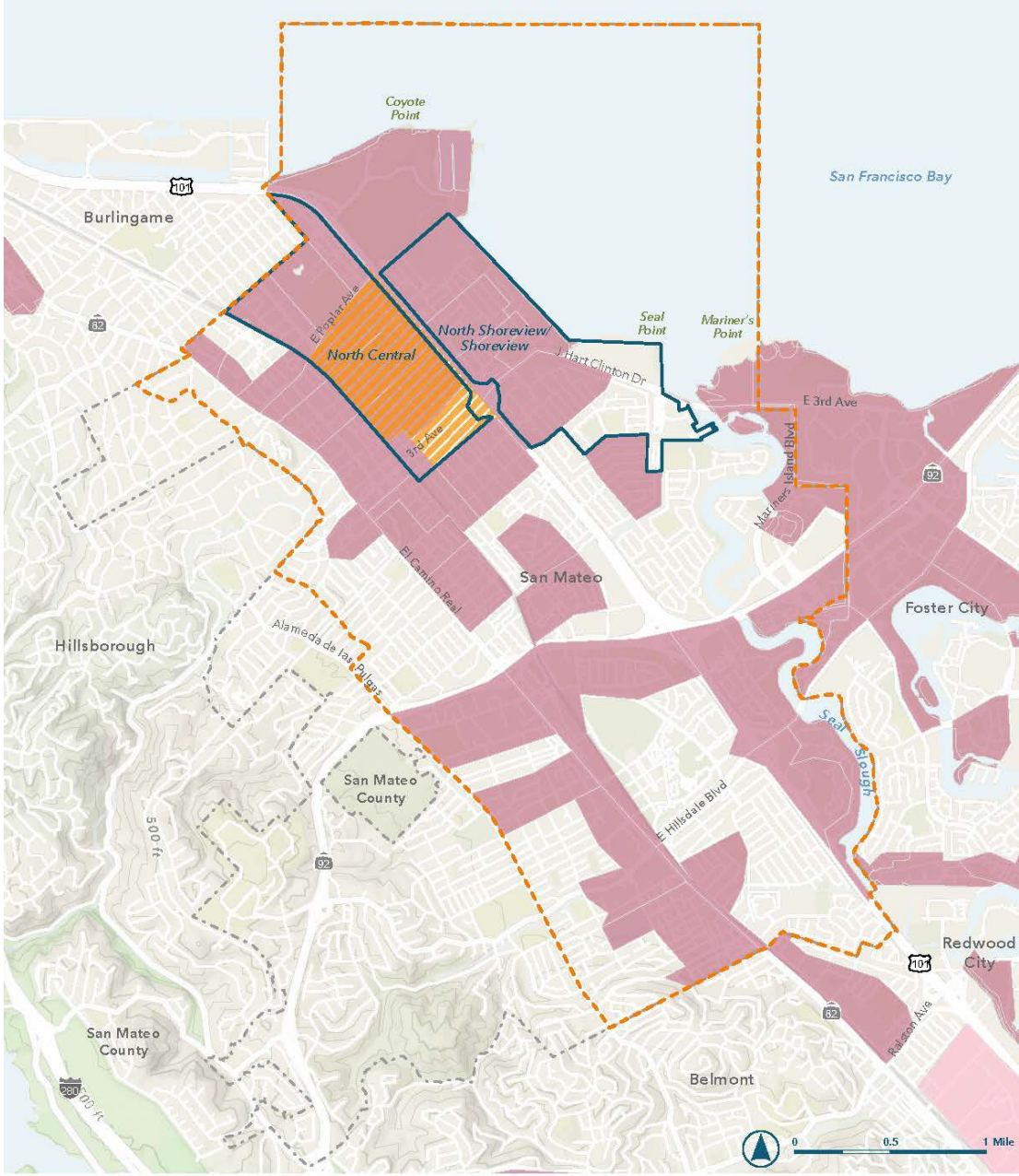
Source: BCDC's RSAP

Vulnerability Assessment

- Identify Priority Areas

Opportunity for input during breakout sessions:

Help shape which assets and services are included in the more detailed vulnerability assessment!



Vulnerability Assessment

- Assess Vulnerability
- Summarize Vulnerability
- Timing and Phasing

Flood Risk = Hazard x Exposure x Vulnerability

Hazard	Exposure	Vulnerability
• Tidal inundation • Storm surge • Groundwater emergence • Shallow groundwater rise	• 0.8 ft (2050) • 3.1 ft (2100 Intermediate) • 4.9 ft (2100 Intermediate High) • 6.6 ft (2100 High)	• Sensitivity • Adaptive capacity • Consequence

Source: BCDC's RSAP

Preview of Workshops #2 and #3

Workshop #2

- Existing Conditions → Inventory of what is in the study area

- Vulnerability Assessment → Are those 'assets' vulnerable to flooding?
- Adaptation Strategies → What are our options for addressing the flood risk?

- Land Use and Policy Plan → How could the City change the General Plan and Zoning to address the flood risk for future development?
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Workshop #3

- Existing Conditions → Inventory of what is in the study area
- Vulnerability Assessment → Are those 'assets' vulnerable to flooding?
- Adaptation Strategies → What are our options for addressing the flood risk?
- Land Use and Policy Plan → How could the City change the General Plan and Zoning to address the flood risk for future development?
- Implementation Plan → How could the City finance and construct these strategies?
- Priority Project List → What are the City's top priorities?

Questions and Answers (15 min)

Please raise your hand if you would like to ask a question or make a comment.



Please limit your comment to 1-2 minutes.

Breakout Stations

1. Existing Conditions - Physical and Ecological
2. Existing Conditions - Development
3. Vulnerability Assessment
4. Project Background and Local Vision



Report Out and Next Steps

Meeting #1 – Oct ‘26
Existing Conditions and Vulnerability Assessment (Elements B, C)

Meeting #2 – July ‘27
Vulnerability Assessment and Adaptation Strategies (Elements C, D)

Meeting #3 – Feb ‘28
Draft Climate Adaptation Plan (Elements D, E, F, G)

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