

December 1, 2025

Burlingame City Council

San Mateo County Flood and Sea Level Rise Resiliency District

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OneShoreline
Building Solutions for a Changing Climate

OneShoreline 2025-26 Priorities

COUNTY OF SAN MATEO
SEA LEVEL RISE
VULNERABILITY
ASSESSMENT

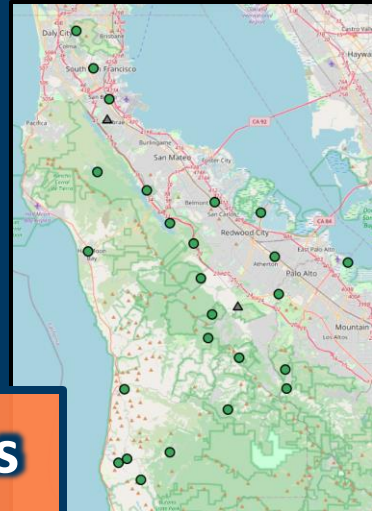
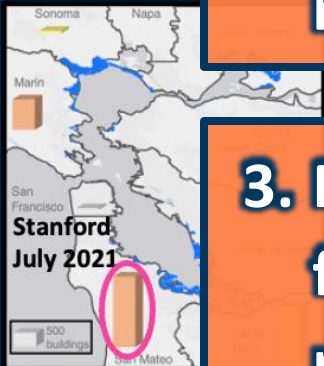
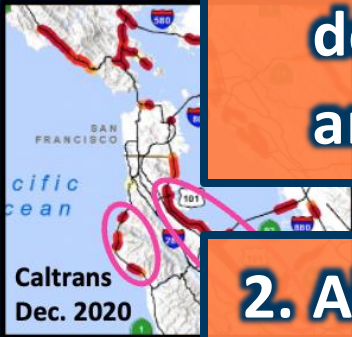
THE DAILY JOURNAL
Friday, August 13, 2021
Report: More people
and property at risk in

1. Advance projects that align long-term resilience for developed, natural, and recreational areas across jurisdictions; and economic resilience for property owners and renters

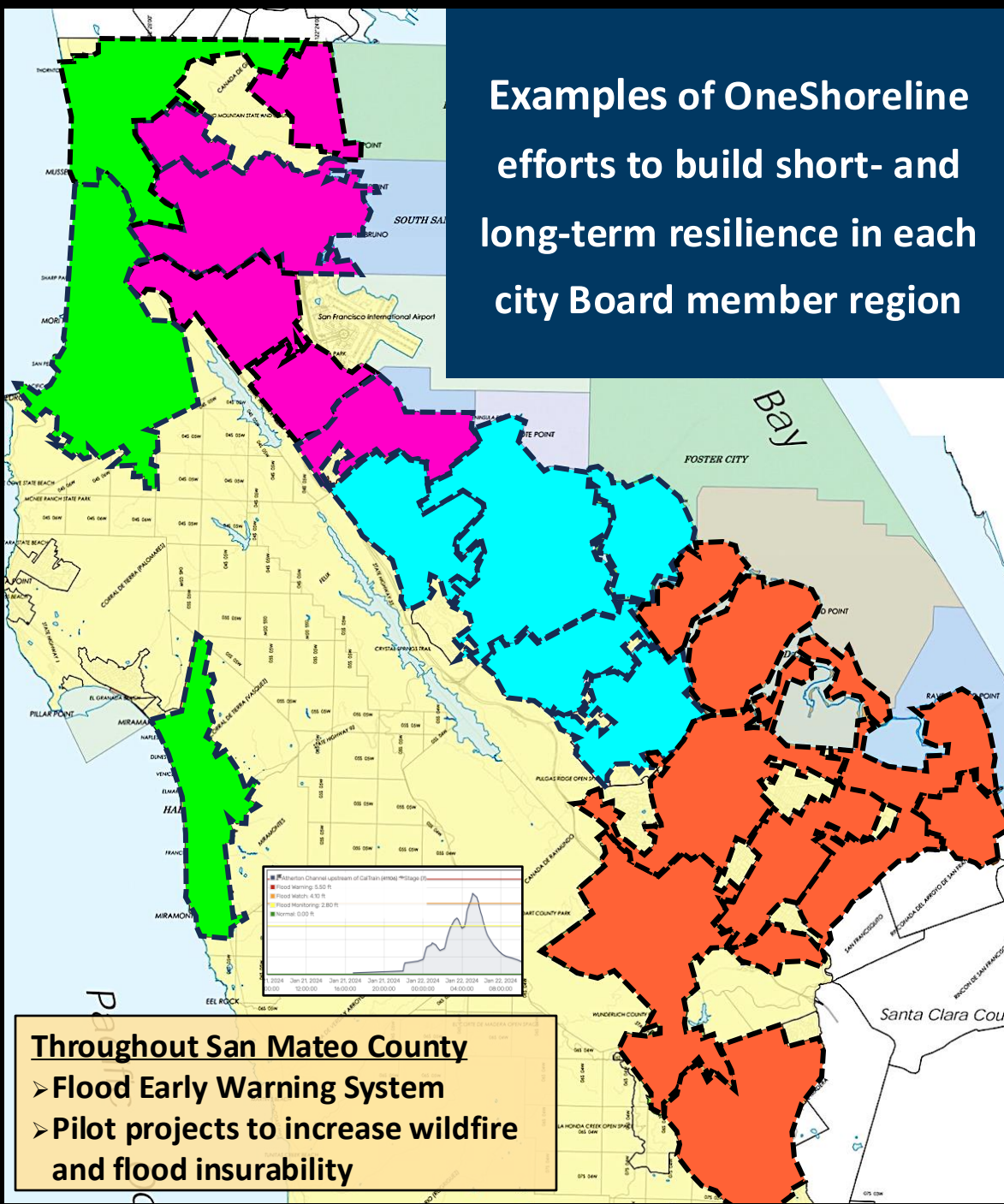
2. Alert people to and reduce the impacts of today's extreme storms made worse by rising tides

3. Plan land use, private development, and public infrastructure for climate-driven conditions and with regional resilience projects & adaptation plans

4. Develop ongoing local funding streams to sustain these efforts long-term and to continue to leverage external funding opportunities



Examples of OneShoreline efforts to build short- and long-term resilience in each city Board member region



Northern Bayside Region

- Brisbane Resilience Plan and Living Shoreline Project
- Colma and San Bruno Creeks (and shoreline in between)
- Millbrae & Burlingame Shoreline Resilience Project



Central Bayside Region

- 5-year permit to remove debris from flood prone creeks
- Mid-Peninsula Hills Satellite Water Recycling Facility
- Shoreline resilience plans connected to Southern cities



Southern Bayside Region

- Resilience plans connected to Central cities
- Bayfront Canal & Atherton Channel area
- Mobile home flooding
- Redwood Shores & wastewater
- San Francisquito Creek



Coastal Region

- SAM Wastewater Treatment Plant
- Expand Flood Early Warning System
- Erosion & pollution impacting beaches & landfills



Advance Bay
shoreline area
projects to align
long-term
resilience for
developed,
natural, and
recreational areas



RSAP
Planning & design
Built

Colma Creek
Resilience Projects

South
San Francisco

SamTrans
SLR Project

San Bruno Creek
Resilience Projects

San
Bruno

SFO Shoreline
Protection Program

Millbrae

Bayfront Park

Wastewater
Treatment Plant

US
101

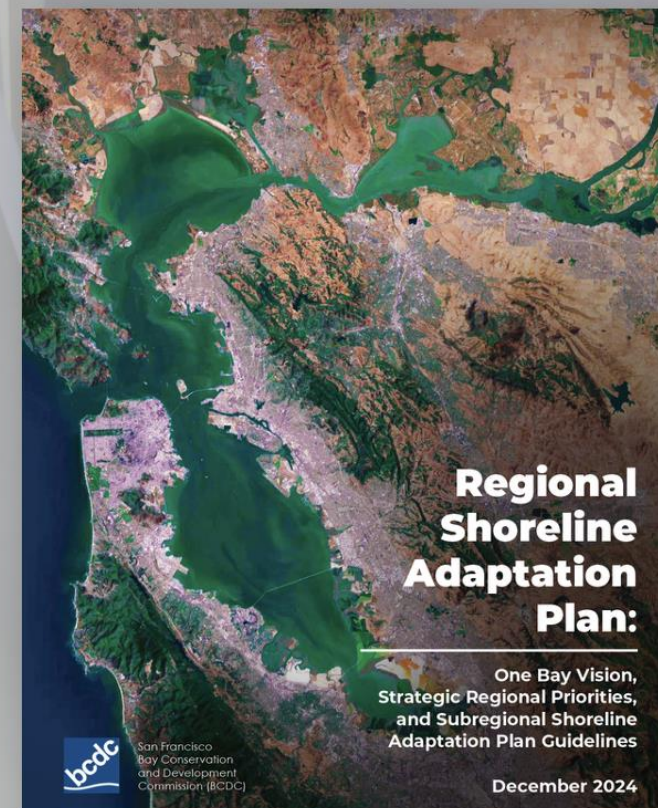
Burlingame

Millbrae & Burlingame
Shoreline Resilience Project

Burlingame Lagoon

City of San Mateo
Shoreline Resilience Plan

This portion of our
county's Bay shoreline

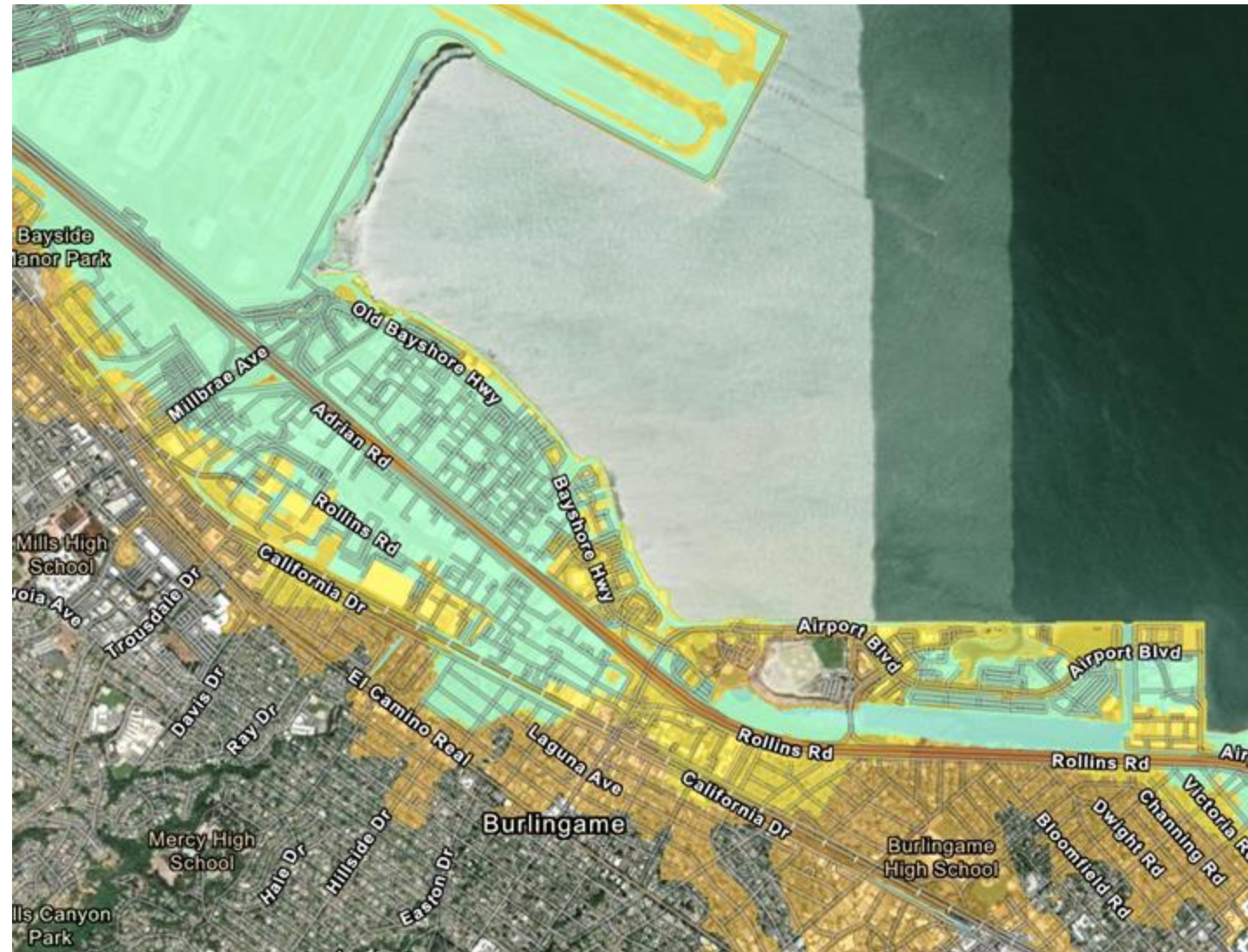


Current and Projected Flood Risk in Millbrae and Burlingame

**Current FEMA
100-year
floodplain**

+ Sea Level Rise

**+ Shallow
Groundwater
Rise**



Data sources: FEMA and USGS

The Millbrae and Burlingame Shoreline Resilience Project area includes dozens of hotels, restaurants, other businesses, and key infrastructure and recreational assets.



Project Goal: Long-term climate resilience against sea level rise and extreme storms for developed, natural, and public access areas

Coastal Flood Protection



Protect shoreline area against current and future hazards

Functioning Habitat



Facilitate healthy, sustainable ecosystems

Public Access + Recreation

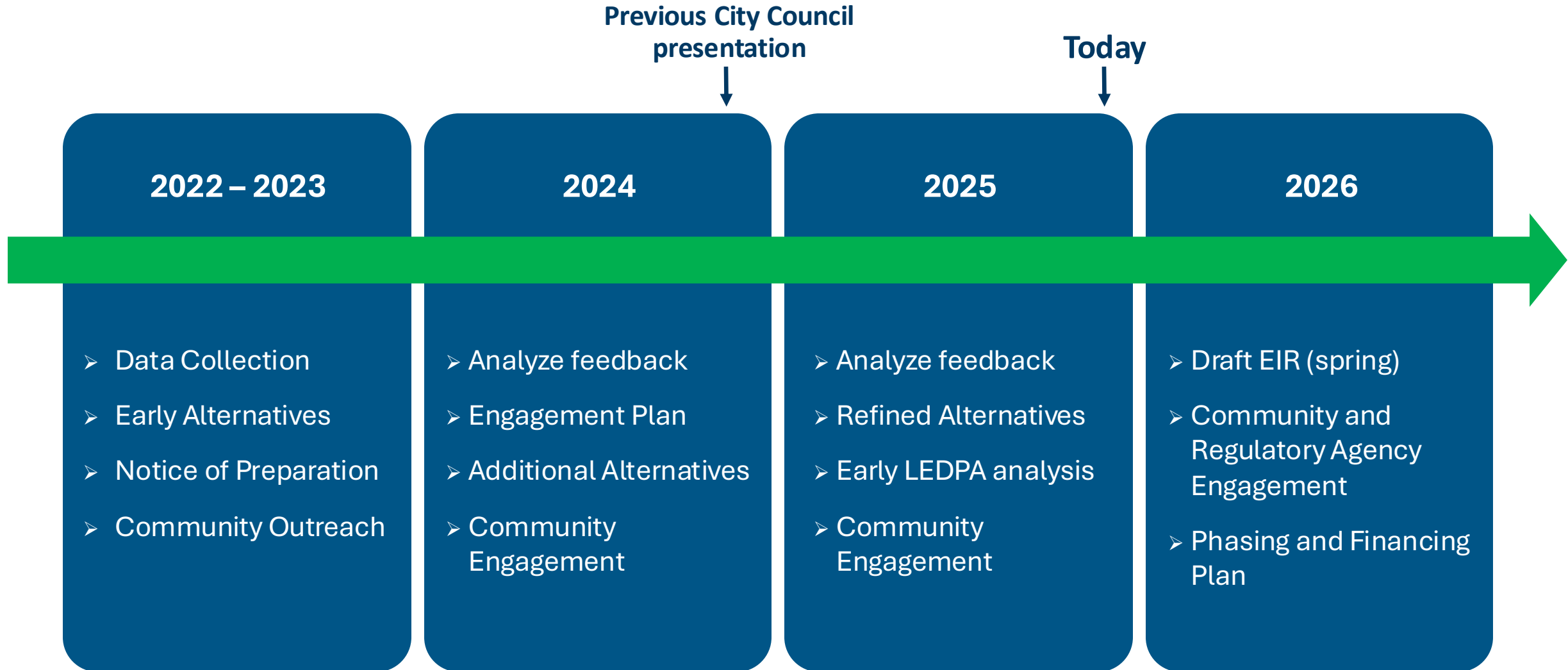


Enhance the shoreline area experience today and for the future



Details on the project need, objectives, and constraints: [OneShoreline.org/MBSRP](https://www.OnShoreline.org/MBSRP)

Project History & Next Steps



Public and Partner Outreach

- Outreach started in Oct. 2023 with the **Notice of Preparation (NOP)** of an EIR to initiate the CEQA process
- **Fall 2024 community engagement on draft alternatives** included:
 - 10 project vetting partner meetings
 - 2 in person community meetings
 - 2 walking tours
- **Feb 2025 intercept outreach**
 - Conducted along the waterfront trail
- In Sept. 2025, OneShorline hosted a **Nature Based Solutions workshop** with regulatory agencies and experts

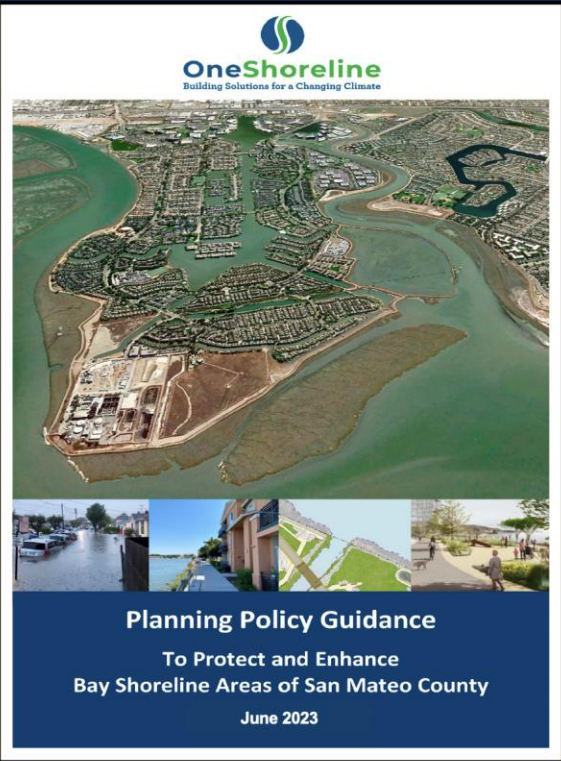


Alternatives Refinement During 2025

- Align project objectives with new state RSAP guidelines
- Analyze detailed site constraints for design
- Remove features including offshore tunnels, pump stations and 10:1 horizontal levees
- Incorporate Nature Based Solutions consistent with SFO wildlife hazard guidance
- For every waterfront parcel, tailor flood protection measures and footprints in the context of opportunities created by Burlingame's 2021 zoning update



Plan land use, development, and infrastructure for climate-driven conditions with regional resilience projects



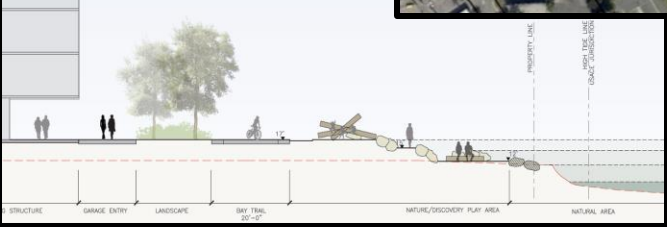
OneShoreline.org/Planning-Guidance

Guidance text can lead to Development Agreements like this in Burlingame:

that the applicant shall install shoreline infrastructure to the full elevation specified in the City of Burlingame Map of Future Conditions. However, in-lieu of installing shoreline infrastructure to the full elevation specified in the City of Burlingame Map of Future Conditions, the applicant may do both of the following:

- (a) install shoreline infrastructure to an elevation equal to the FEMA Coastal BFE + 3.0 feet that is FEMA-certified (conforming to Title 44, Section 65.10 of the Code of Federal Regulations); and
- (b) dedicate a Public Use Easement to the City and/or the San Mateo County Flood and Sea Level Rise Resiliency District (District) across the 100-foot shoreline band to accommodate the full elevation of required shoreline infrastructure improvements which easement expressly allows the City and/or District to install such improvements within the Public Use Easement. Any Public Use Easement must be reviewed and approved by the City and the District prior to recordation, which approval shall not be unreasonably withheld.

Land use policy leveraging regional resilience projects



New guidance is focusing on Public Infrastructure

Stormwater systems



Roads



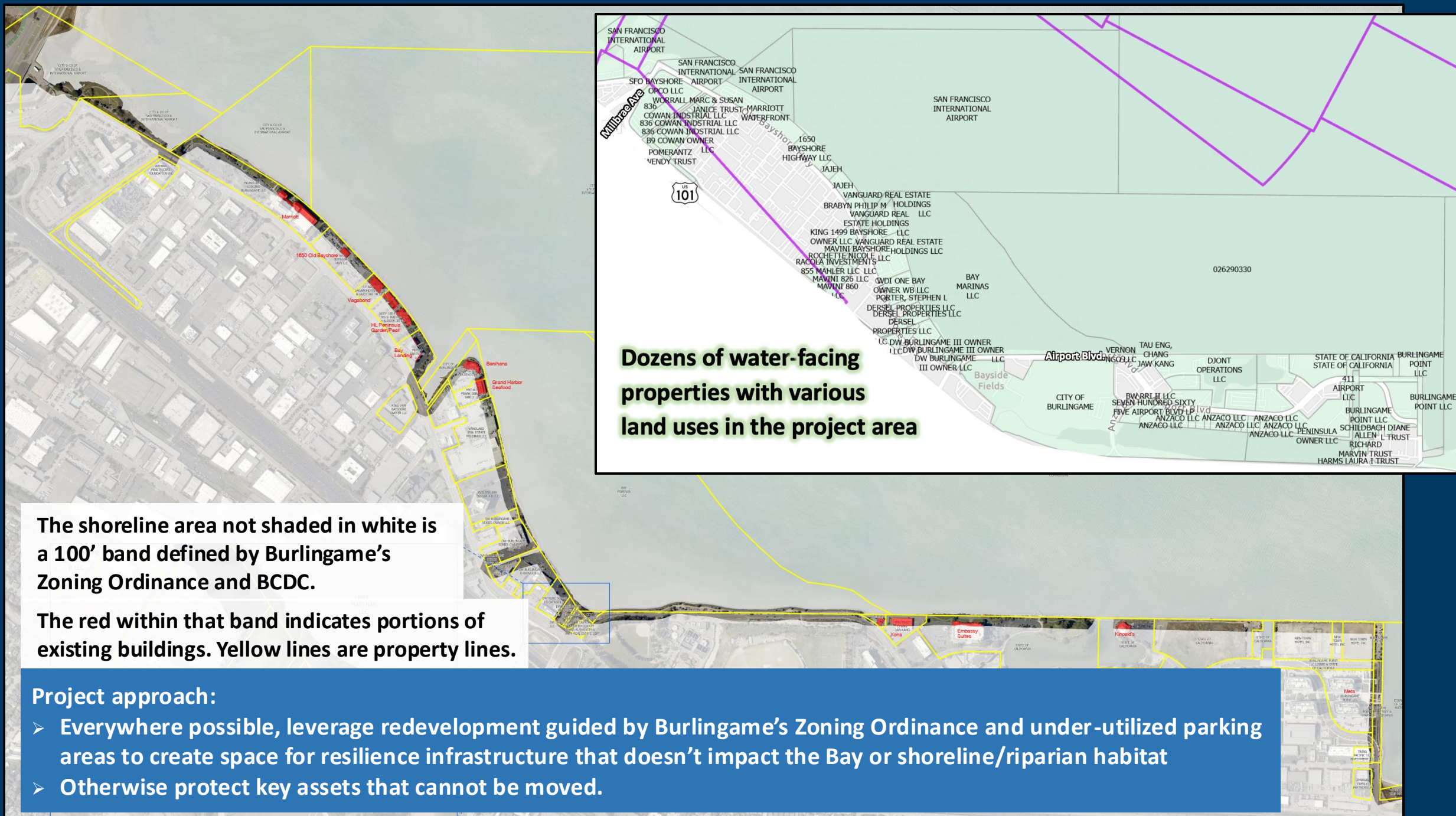
Wastewater/ water recycling systems

Parks, harbors, marinas



Utilities





Key Project Components



Coastal Flood Protection integrated into landscape



Solutions that leverage Burlingame Zoning Ordinance to limit Bay fill where possible



Nature-Based Measures/Ecological Enhancements









Continuous, 18-foot-wide protected Bay Trail



Expanded Public Access and Recreation i.e. Elevated Parks

Current Project Features

Legend of Potential Features

-  Requires use of SFO Property on land and in the Bay
-  Private development projects
-  Levees with ecological enhancements (dashed is potential private development)
-  Groyne and coarse beach
-  Other flood protection types
-  Tide Gates

Raise Bayfront Park

Options include seawall and horizontal levee, TBD based on discussions with SFO, other landowners, and regulatory agencies

Levee + Habitat

Elevated Park

Elevated Park

Flood Wall

Without Project

Marriott

With Project

Continuous, improved, and resilient Bay Trail



Technical, Funding, and Policy Work through June 2026

- Discussions with SFO and regulatory agencies on approaches to shoreline infrastructure and nature-based measures
- Discussions with regulatory agencies on Bay fill for habitat and mitigation
- Analysis of impacts in Draft EIR
- Initiate phasing/financing discussions
- Property owner discussions
- Seek funding to complete Final EIR, design, and RSAP-compliant plan
- Integrate OneShoreline's project plan, development proposals, and Burlingame's upcoming Bayfront Specific Plan

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Thank you