



Moffett Park
Specific Plan

Public Workshops

Virtual Workshops will be immediately followed by a City Council Study Session from 6p - 7p

Office Hours will allow the public to engage one-on-one with City staff and the consultant team

Virtual Meeting information & agendas available at MoffettParkSP.com



Sunnyvale

Sea Level Rise & Climate Change

With San Francisco Estuary Institute, Environmental Science Associates, & Santa Clara Valley Water

WORKSHOP

**Monday, November 30
4:00p - 7:00p**

Office Hours

**Monday, December 7
12:00p - 1:00p**

Transportation & Infrastructure

With Nelson\Nygaard, & BKF Engineers

WORKSHOP

**Monday, February 1
4:00p - 7:00p**

Office Hours

**Monday, February 8
12:00p - 1:00p**

Land Use, Housing, Open Space, & Market Conditions

With Strategic Economics, CMG Landscape Architecture, & Raimi + Associates

WORKSHOP

Date and Time to be determined

Office Hours

Date and Time to be determined

Study Session Agenda

INTERACTIVE PUBLIC MEETING



1. (4:00) Welcome/Roll Call
2. (4:05) Facilitation protocol
3. (4:10) Moffett Park Vision
4. (4:25) Sea Level Rise Overview Presentation (SFEI)
5. (4:45) Hazards Profile & Sea-level Rise Adaptation Strategy (ESA)
6. (4:58) Flood Control & Restoration Projects (Valley Water)
7. (5:10) Multi-benefit Strategies for Moffett Park (SFEI)
8. (5:20) Round Table Discussion (30 min)

CITY COUNCIL DISCUSSION

9. (5:50) Public Comment (1.5 min each)
10. (6:10) City Council Study Session
11. (7:00) Adjourn

Direction from City Council

City Council + Planning Commission Direction

April 2019

- Create comprehensive **community involvement strategy**
- Consider the potential **economic impacts of adding housing** while directing growth toward **transit supportive uses and improvements**
- Redefine the Moffett Park Specific Plan as an “**Ecological and Innovation District**”
- Improve vehicular, pedestrian, bicycle and transit **connectivity**
- Develop and implement urban design standards for streets, streetscapes, buildings and open space, which **promote walkable and livable environments**
- Prepare an **implementation strategy for infrastructure** and services
- Prepare a program-level environmental impact report

The purpose of today's meeting is...



Provide an **update** on the Moffett Park Specific Plan process and schedule



Review **history, vision, and guiding principles** for Moffett Park



Present **regional and local approaches to Sea Level Rise** and how the impact Moffett Park



Answer questions about the regional and local approaches to Sea Level Rise and Flooding

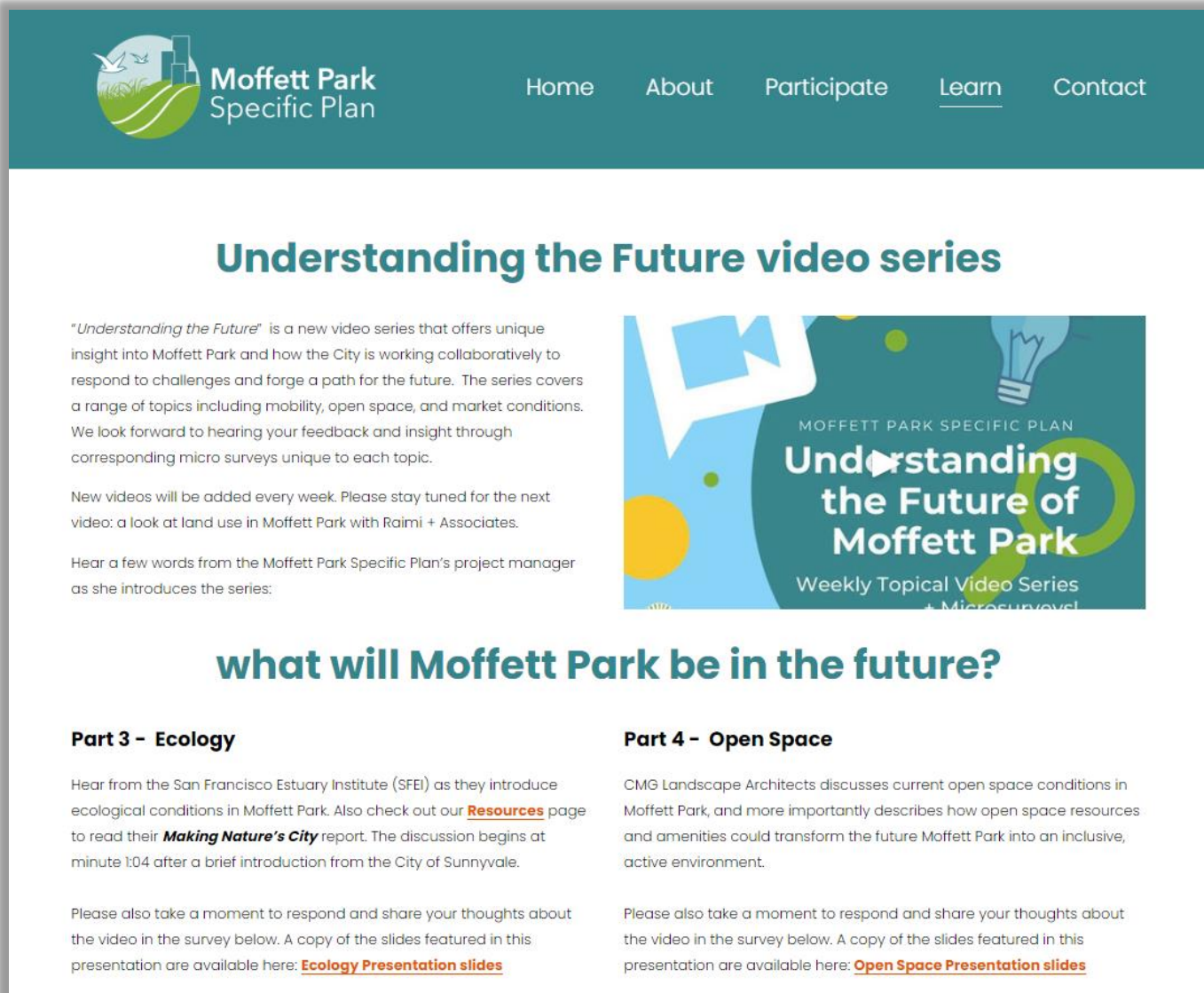
Opportunities for Community Input

1. **Live Polling**
2. **Round Table Discussion**
 - Ask and rank questions on Menti.com
 - Moderator will choose questions
3. **Public Comment**
 - 90 sec per speaker
4. **Office Hours**
 - December 7th, Noon
5. **Website/Email**



moffettparksp.com
moffettpark@sunnyvale.ca.gov

Website Outreach




Moffett Park Specific Plan Home About Participate Learn Contact

Understanding the Future video series

"Understanding the Future" is a new video series that offers unique insight into Moffett Park and how the City is working collaboratively to respond to challenges and forge a path for the future. The series covers a range of topics including mobility, open space, and market conditions. We look forward to hearing your feedback and insight through corresponding micro surveys unique to each topic.

New videos will be added every week. Please stay tuned for the next video: a look at land use in Moffett Park with Raimi + Associates.

Hear a few words from the Moffett Park Specific Plan's project manager as she introduces the series:



what will Moffett Park be in the future?

Part 3 - Ecology

Hear from the San Francisco Estuary Institute (SFEI) as they introduce ecological conditions in Moffett Park. Also check out our [Resources](#) page to read their *Making Nature's City* report. The discussion begins at minute 1:04 after a brief introduction from the City of Sunnyvale.

Please also take a moment to respond and share your thoughts about the video in the survey below. A copy of the slides featured in this presentation are available here: [Ecology Presentation slides](#)

Part 4 - Open Space

CMG Landscape Architects discusses current open space conditions in Moffett Park, and more importantly describes how open space resources and amenities could transform the future Moffett Park into an inclusive, active environment.

Please also take a moment to respond and share your thoughts about the video in the survey below. A copy of the slides featured in this presentation are available here: [Open Space Presentation slides](#)



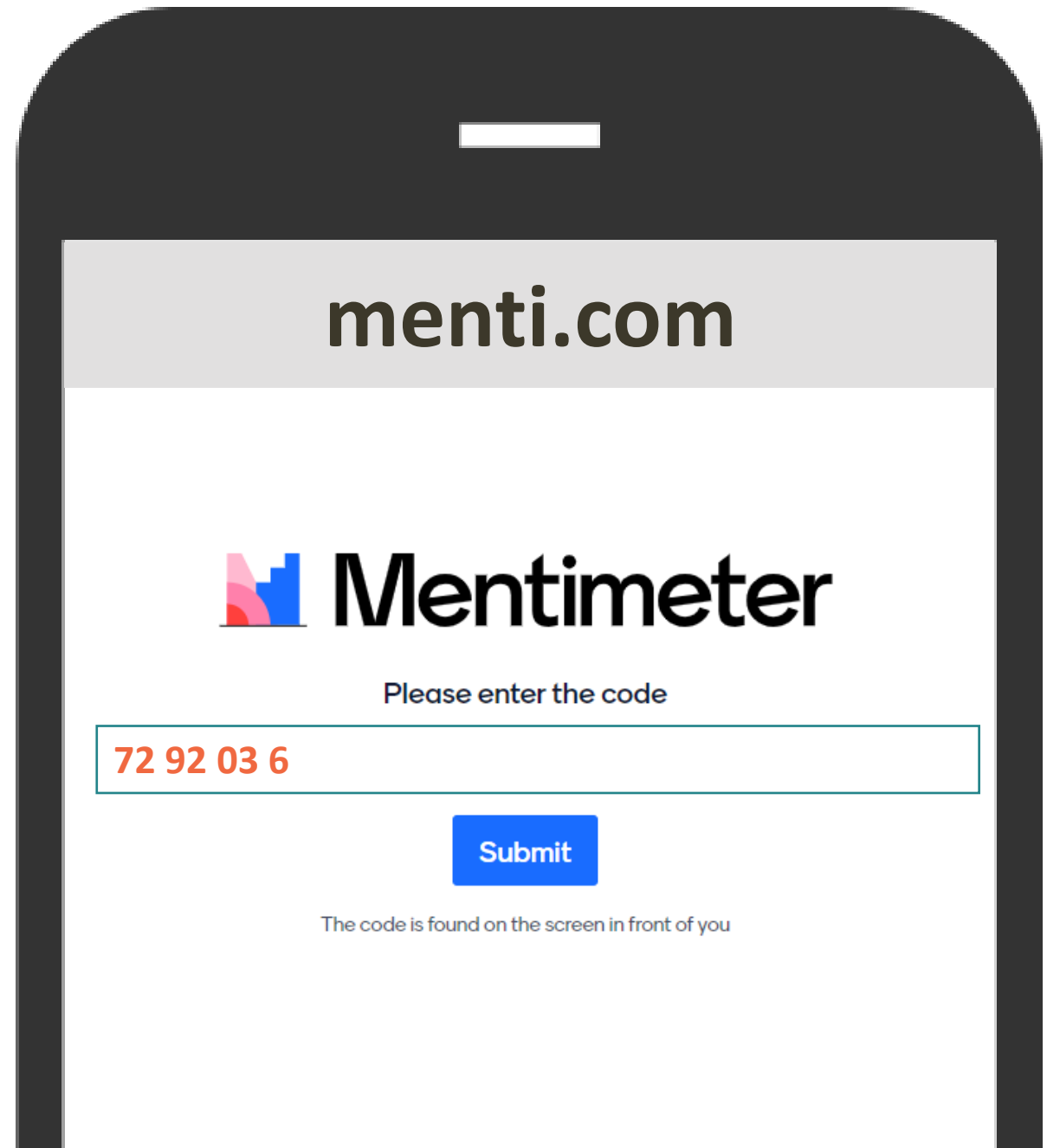
moffettparksp.com
moffettpark@sunnyvale.ca.gov

How to use menti.com

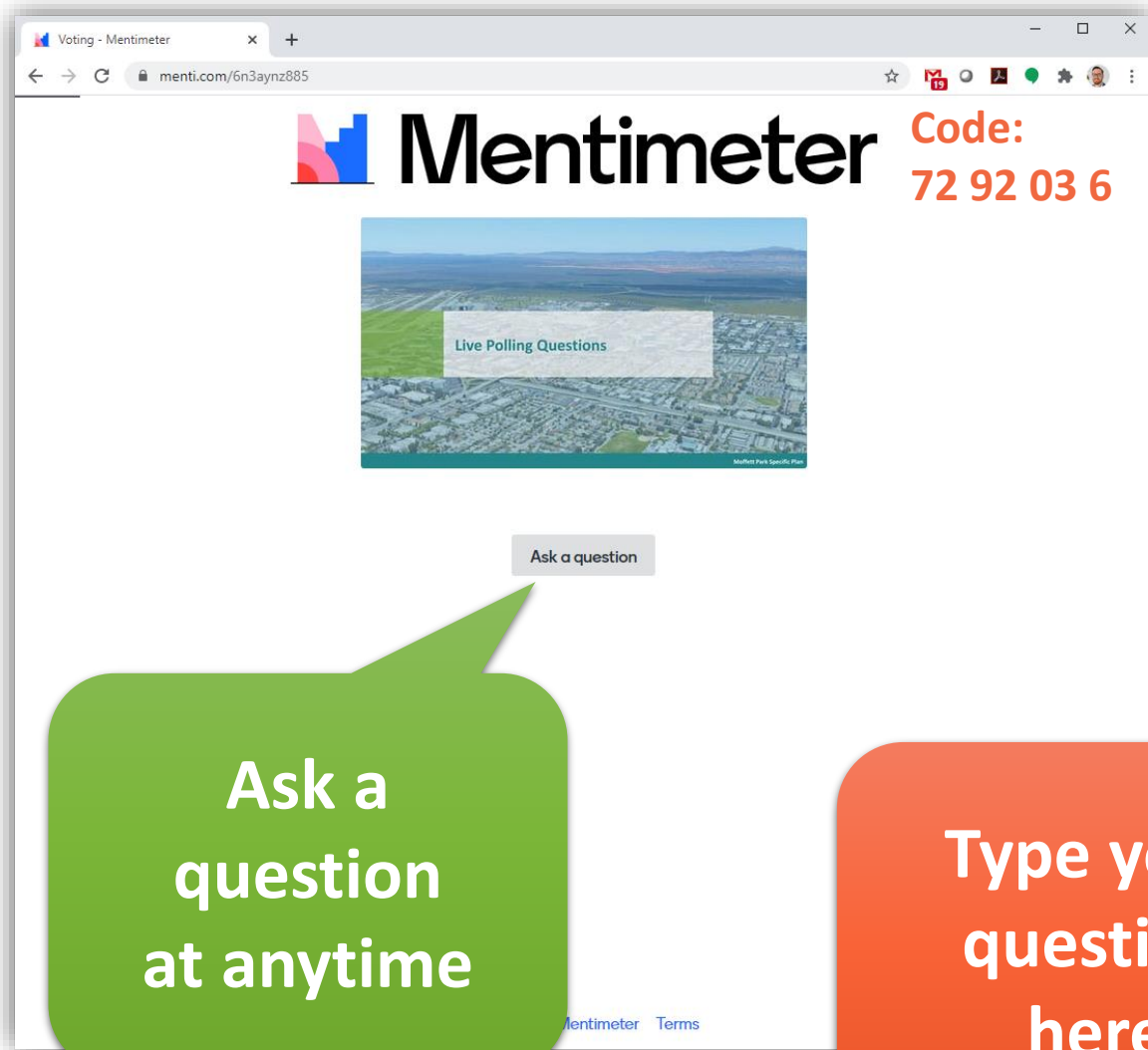
- Open a web browser
 - On second device if possible
 - In another window
- Go to **menti.com**
- Enter Code:

72 92 03 6

- Questions will appear throughout the meeting when activated by the presenter



Please submit your questions at any time!



Voting - Mentimeter
menti.com/6n3aynz885

Mentimeter Code: 72 92 03 6

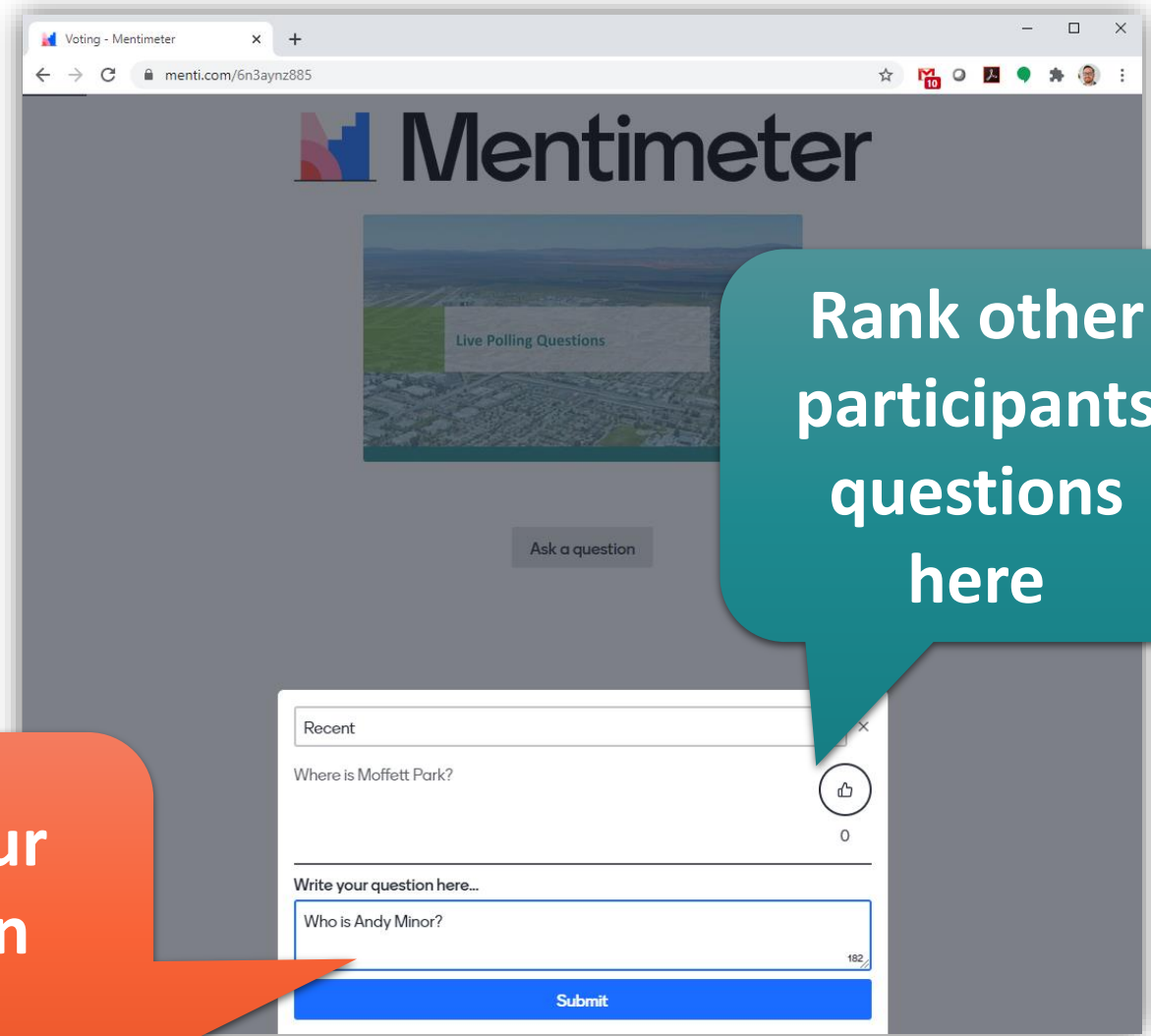
Live Polling Questions

Ask a question

Mentimeter Terms

Ask a question at anytime

Type your question here



Voting - Mentimeter
menti.com/6n3aynz885

Mentimeter

Live Polling Questions

Ask a question

Recent

Where is Moffett Park?

0

Write your question here...

Who is Andy Minor?

182

Submit

Rank other participants questions here

menti.com



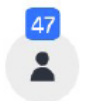
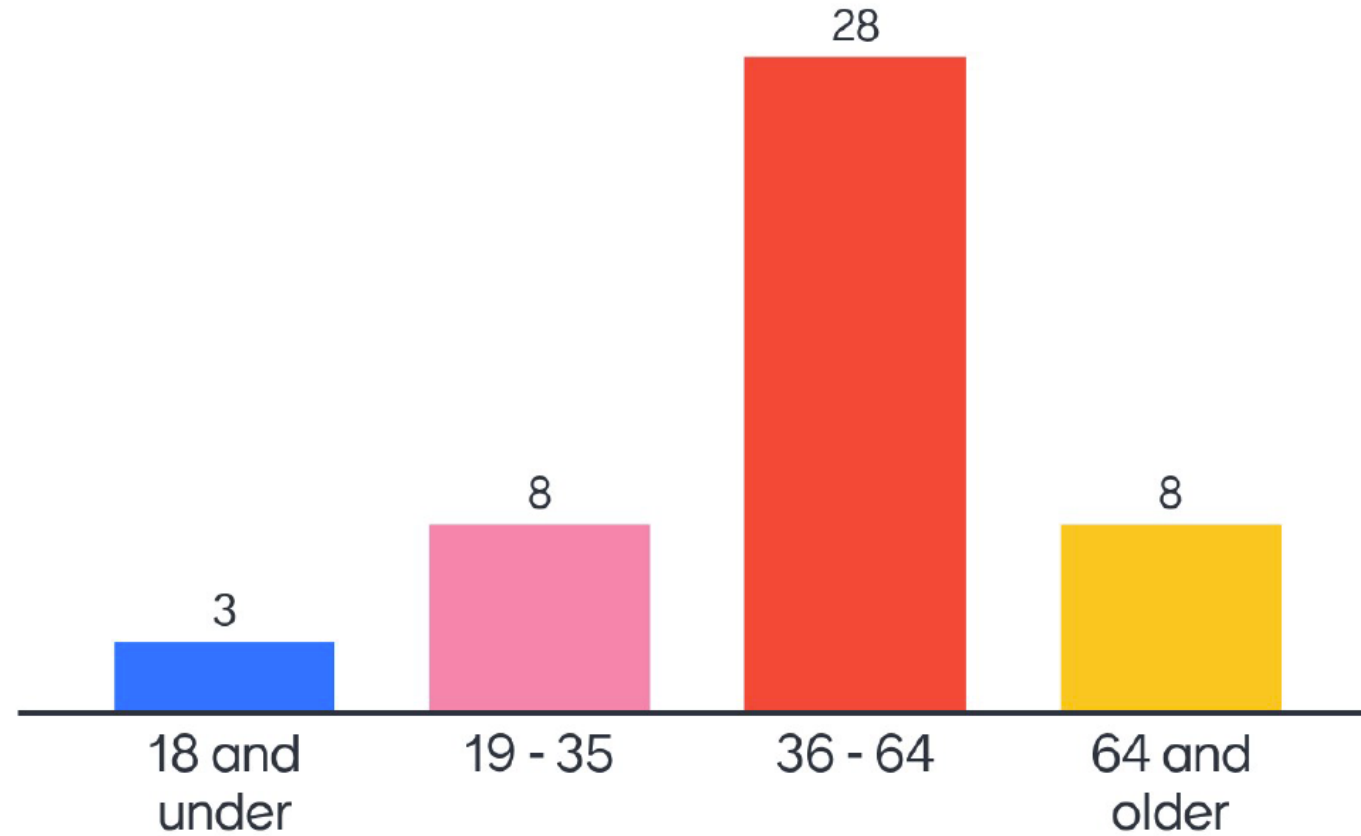
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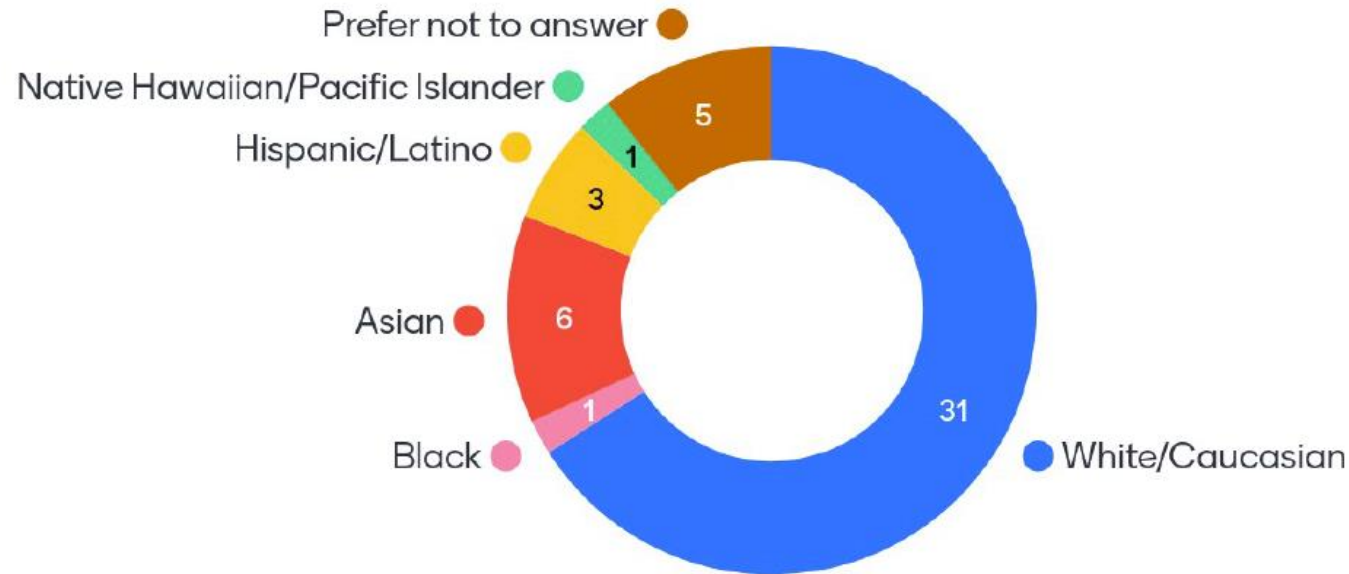
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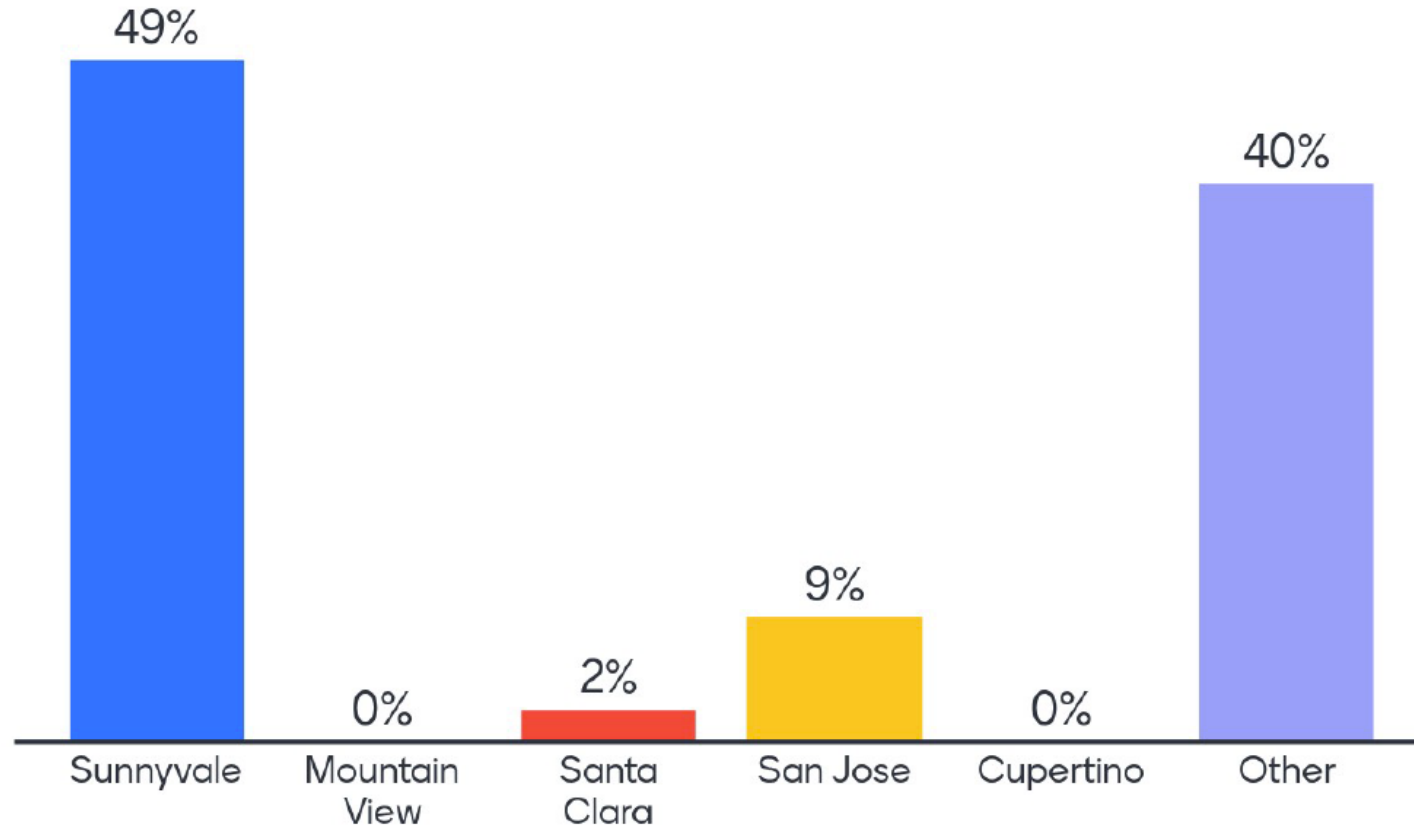
What is your age?



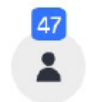
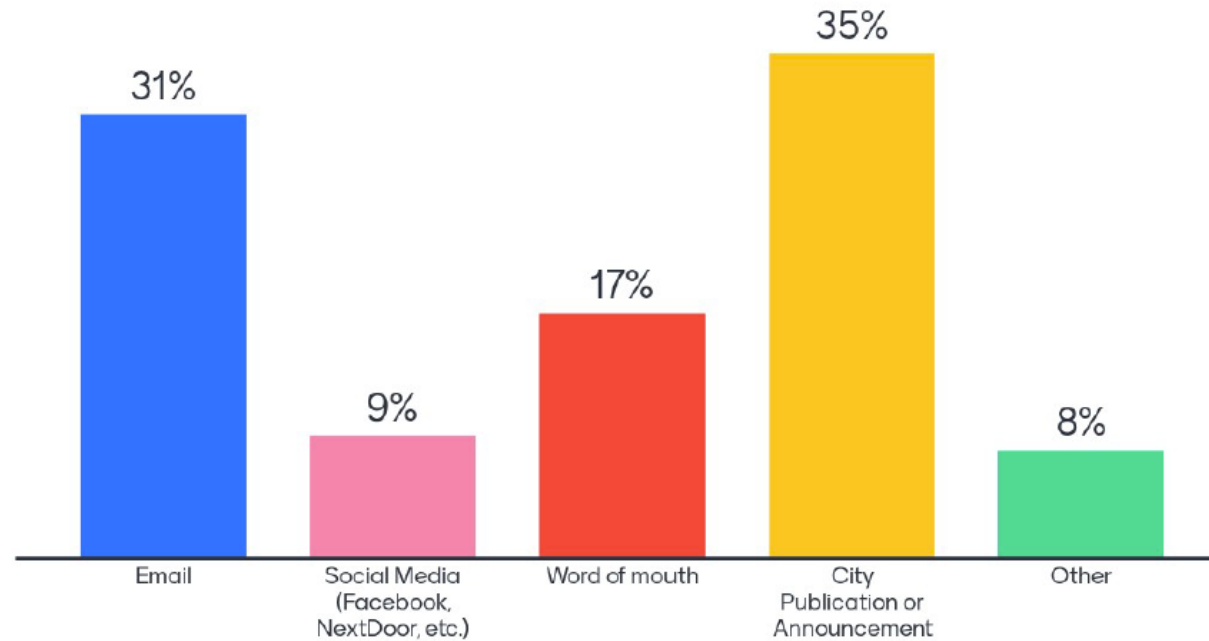
How would you describe yourself? (you can choose more than one)



Do you live in Sunnyvale? If not, where?



How did you hear about this event? Check all that apply



Process Overview



Moffett Park Vision
Stakeholder Meetings
Staff Charrette
Community Mtg #1

Public Workshops + Community Meetings

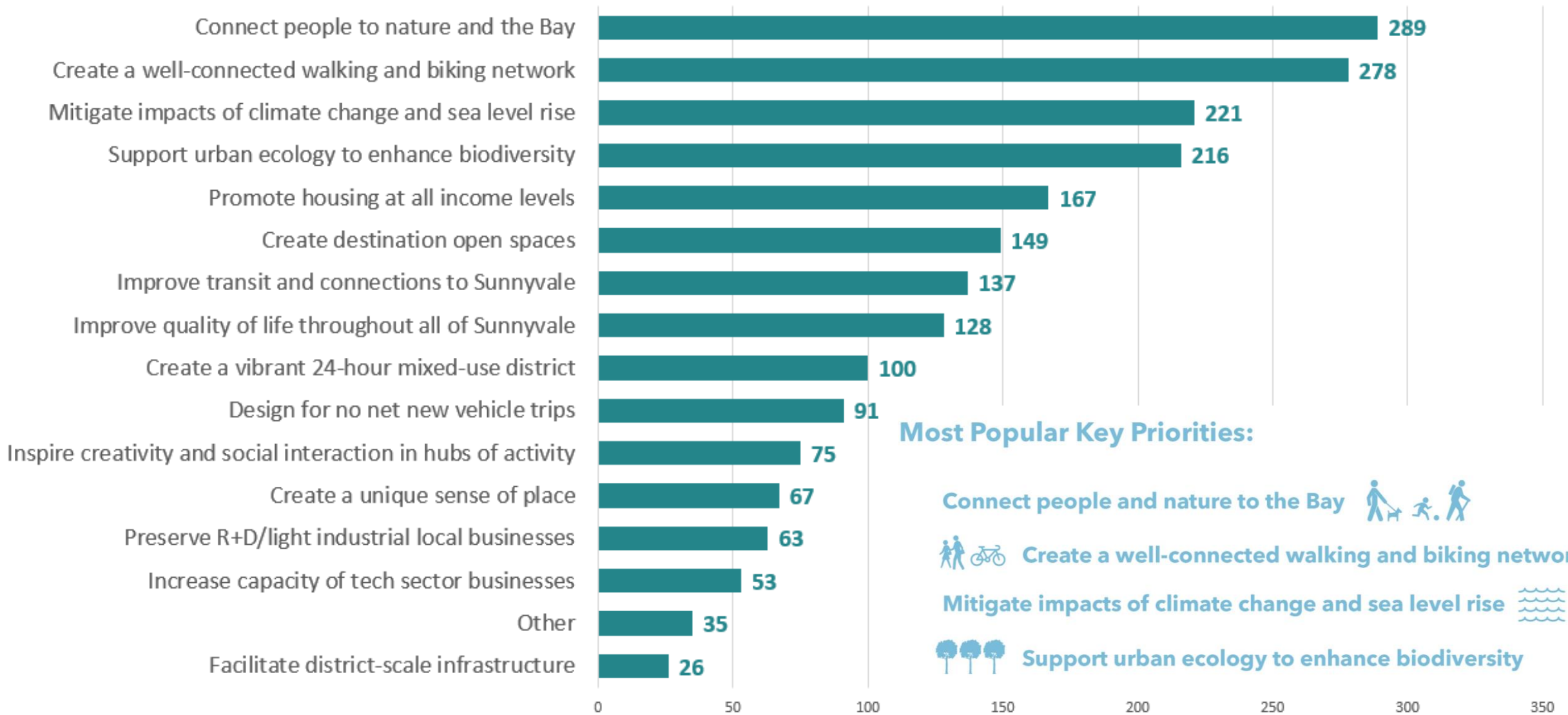
Study Sessions: Design Alternatives

PC/CC Hearings: Land Use Plan

Policy Discussions
Community Meetings
Public Workshops
PC/CC Study Sessions

Adoption Hearings

Visioning Survey – Key Priorities



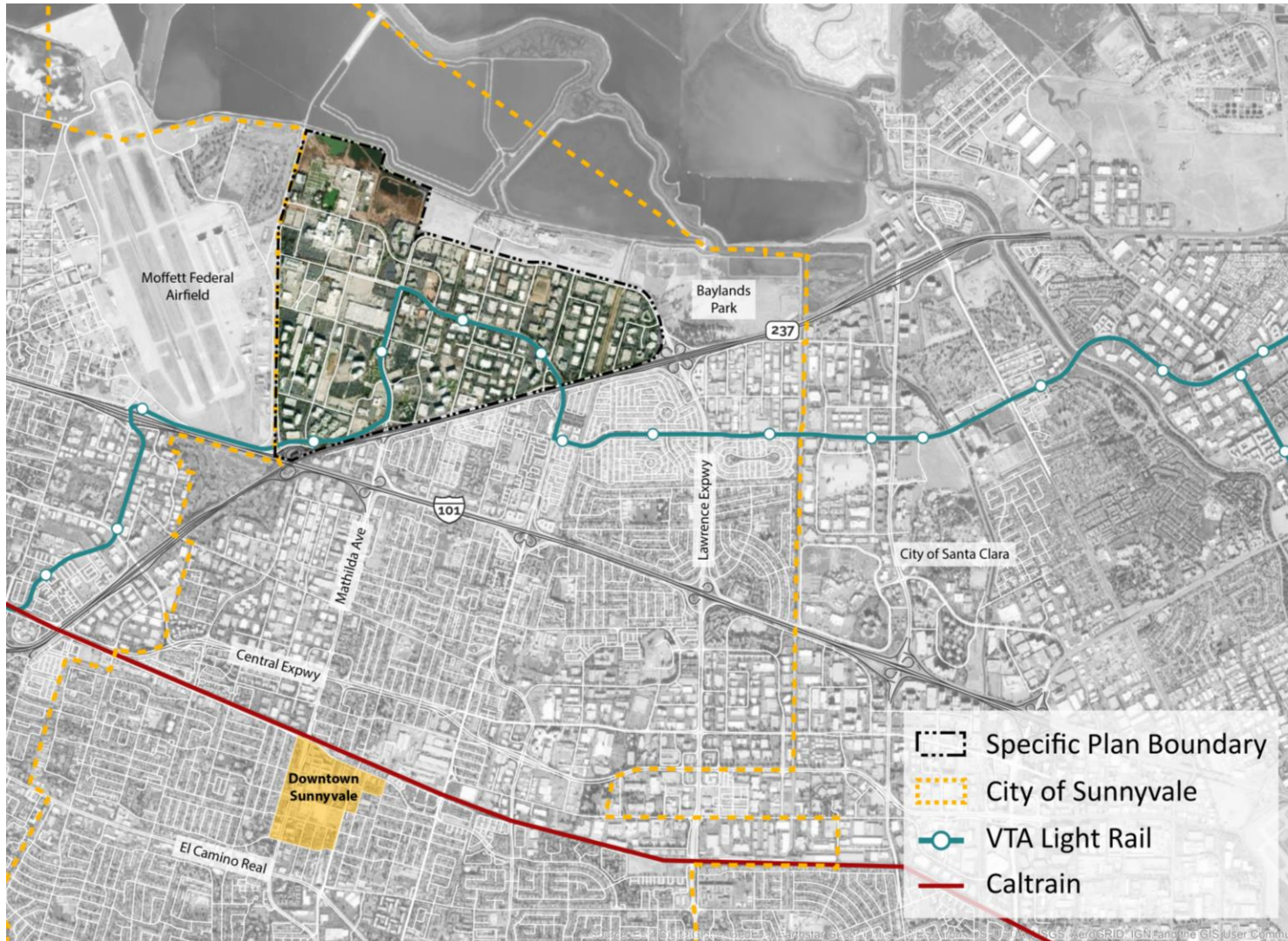
Most Popular Key Priorities:

- 
 Connect people and nature to the Bay
- 
 Create a well-connected walking and biking network
- 
 Mitigate impacts of climate change and sea level rise
- 
 Support urban ecology to enhance biodiversity



History, Vision, + Guiding Principles

Moffett Park Specific Plan



- 1,300 acres
- 27% of City's employment
- 7-8% of Sunnyvale's 2019 General Fund Sales Tax Revenue
- 13% of citywide transient occupancy tax revenue
- Unique Asset: Lockheed Martin and proximity to Moffett Federal Airfield

Native American Heritage

- Ancestral Lands of the **Taymen Ohlone People**
- Documented archeology up to 2,800 years ago
- Rancho Posolmi/Ynigo Site
 - Lope Ynigo/Inigo



Used by permission of Archives & Special Collections, Santa Clara University Library

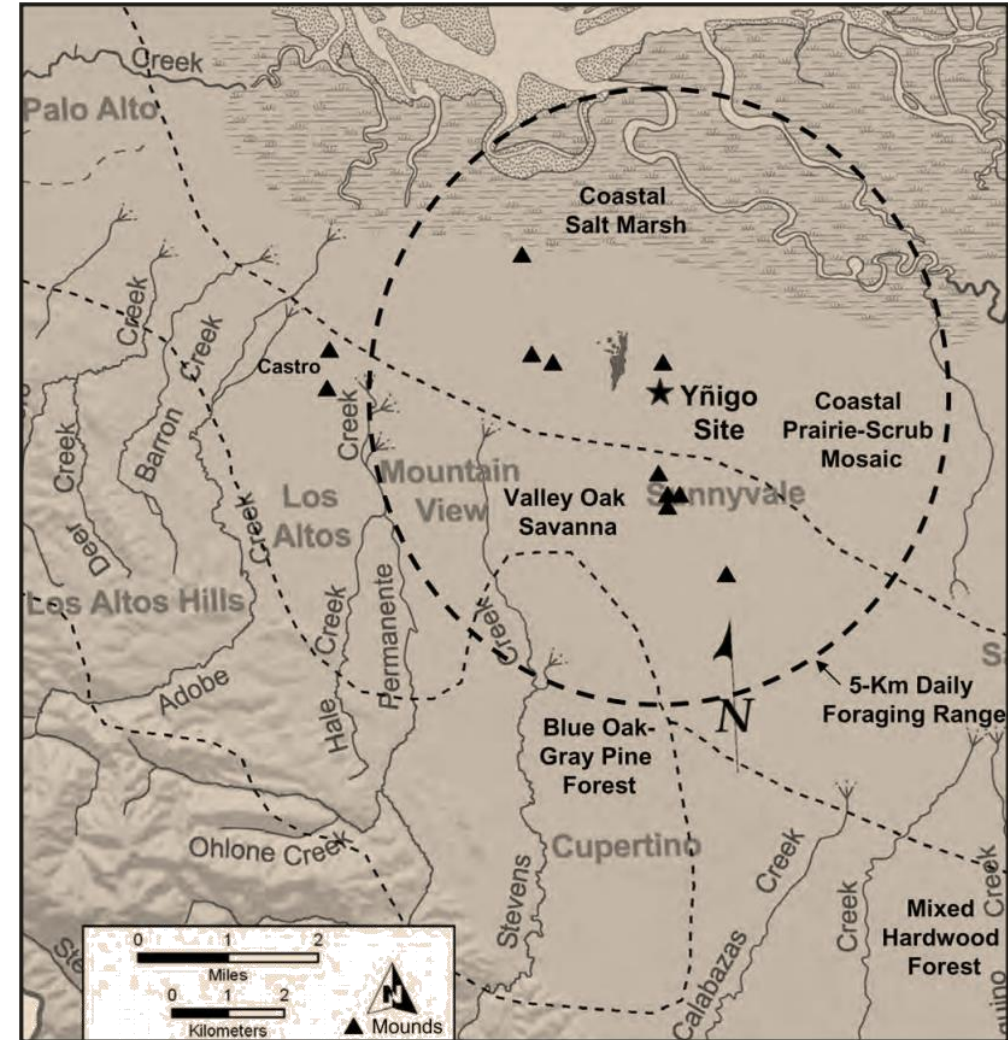


Figure 7. Spatial context of CA-SCL-12/H and nearby southern Bay Area shellmounds.

Orchards and Canneries

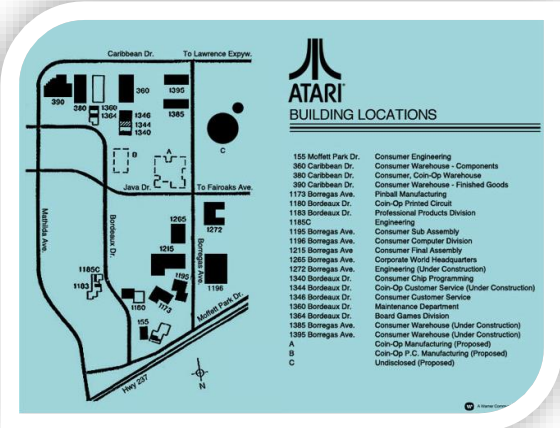


Aerospace and Military Defense



1960's

Video Games and Consumer Electronics



1980's

Image NASA
Image U.S. Geological Survey

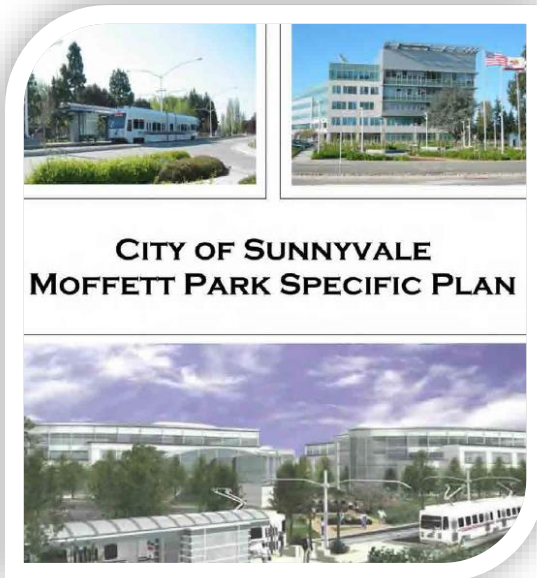
Software and Hardware Technologies



2000's

Moffett Park Today

- Specific Plan adopted 2004
 - Focused on office development
 - Prioritized locating density near transit
 - 24 million sf of Office/R+D existing + pipeline



Draft Vision Statement

Redefine the Moffett Park Specific Plan as an “Ecological and Innovation District”



The vision for Moffett Park is a well-connected ecological innovation district with a diverse mix of uses that serves as a model of resilience, climate protection, equity and economic opportunity.



**Innovation
District**

**Ecological
District**



Eco-Innovation District

Moffett Park Specific Plan

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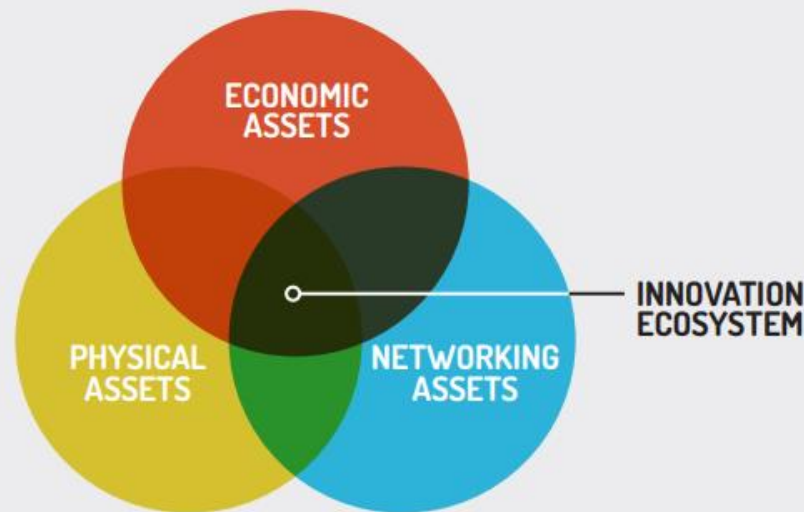
INNOVATION DISTRICT

“geographic areas where **leading-edge anchor institutions and companies** cluster and connect with **start-ups, business incubators**, and accelerators. They are also **physically compact, transit-accessible**, and technically-wired and offer **mixed-use housing, office, and retail.**”

- „*The Rise of Innovation Districts*“
- *Brookings Institute Metropolitan Policy Programs*

ECO-DISTRICT

- “The EcoDistricts approach is a comprehensive strategy to accelerate **sustainable development at the neighborhood scale** by integrating **building and infrastructure projects** with **community and individual action.**” -*EcoDistricts Protocol*



Vision for the Future of Moffett Park

Moffett Park is a well-connected ecological innovation district with a diverse mix of uses that serves as a model of resilience, climate protection, equity, and economic opportunity.

Council's Direction

- Community involvement
- Study impacts of adding housing
- Transit supportive uses and improvements
- Ecological and Innovation District
- Improve connectivity
- Walkable and livable environments
- Implementation strategy
- Prepare a program-level EIR

Summary of Guiding Principles

1. **Resilient + Equitable**
2. **Vibrant + Inclusive**
3. **Diverse Economy + Prosperity**
4. **Accessible + Pedestrian Friendly**
5. **Dynamic + Connected Public Spaces**
6. **Healthy + Biodiverse Environment**
7. **Innovative + Emerging Technology**

moffettparksp.com/vision-1
for more info on the Guiding Principles

Establish Moffett Park as a model community through its commitment to comprehensively addressing resilience, climate protection, and equity in all activities.



Resilient + Equitable

- Clear pathway to carbon neutrality
- Equitable quality of life outcomes
- Flexibility to evolve over time

Cultivate a dynamic and connected public spaces that accommodate the physical and social needs of all users.



Dynamic + Connected Public Spaces

- High-quality public realm + open space
- Connected to the Bay
- Range of publicly accessible open space types + amenities

Create a healthy, resilient, and biodiverse environment.



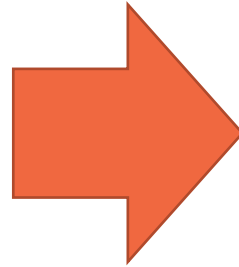
Healthy + Biodiverse Environment

- Enhance ecosystems + biodiversity
- Nature-oriented open spaces
- Robust urban forest
- Nature-based solutions + hybrid infrastructure systems
- Regional amenity

Create a healthy, resilient, and biodiverse environment.

- Enhance ecosystems and support biodiversity
- Restore biological function and habitat quality
- Robust urban forest
- Nature-based solutions and hybrid infrastructure
- Identity and attraction based on the urban ecology

Transforming Moffett Park: The Big Lift



**From a suburban
office park**

**To a place for people,
opportunity and nature**

Range of Place Types

Activity Centers



Main Streets



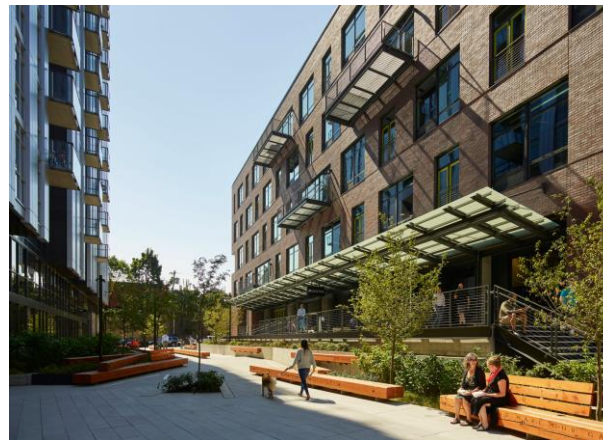
Community Spaces



Neighborhoods

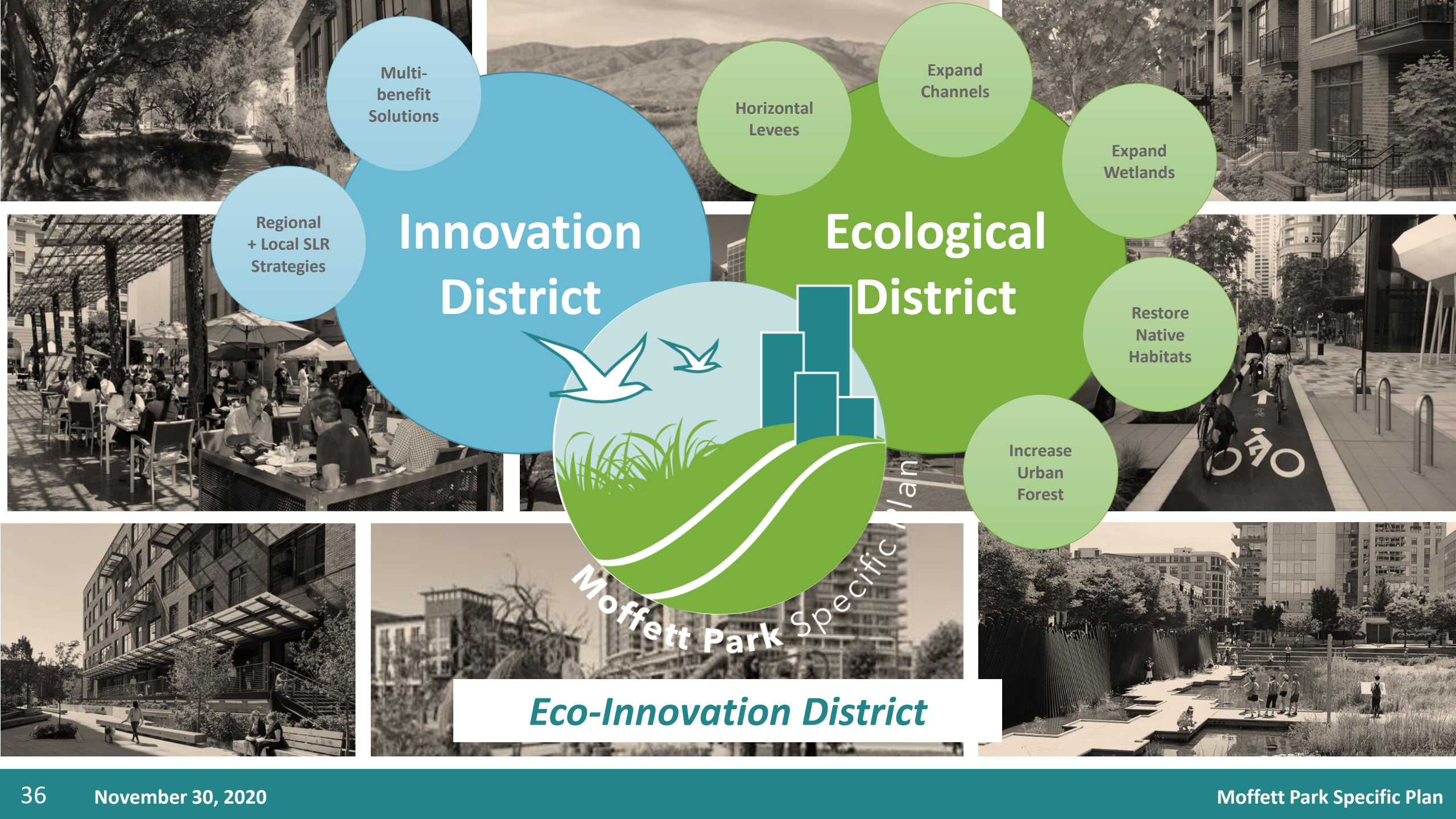


Office/R+D



Natural Places





Multi-benefit Solutions

Regional + Local SLR Strategies

Innovation District

Horizontal Levees

Expand Channels

Expand Wetlands

Ecological District

Restore Native Habitats

Increase Urban Forest



Moffett Park Specific Plan

Eco-Innovation District

Today's Workshop

INTERACTIVE PUBLIC MEETING

(4:00) Welcome/Roll Call

(4:05) Facilitation protocol

(4:10) Moffett Park Vision

(4:25) Sea Level Rise Overview Presentation

(4:45) Hazards Profile & Sea-level Rise
Adaptation Strategy (13 mins)

(4:58) Flood Control & Restoration Projects

(5:10) Multi-benefit Strategies for Moffett Park

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CITY COUNCIL STUDY SESSION

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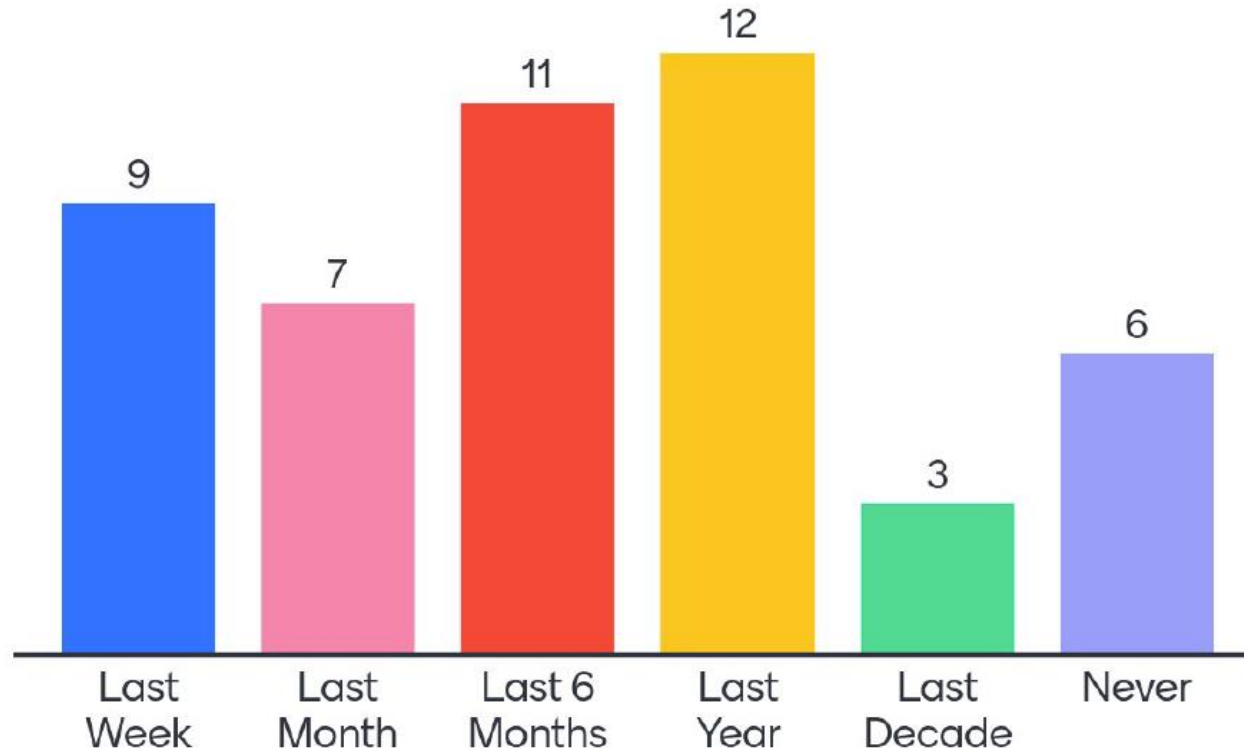
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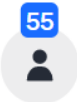
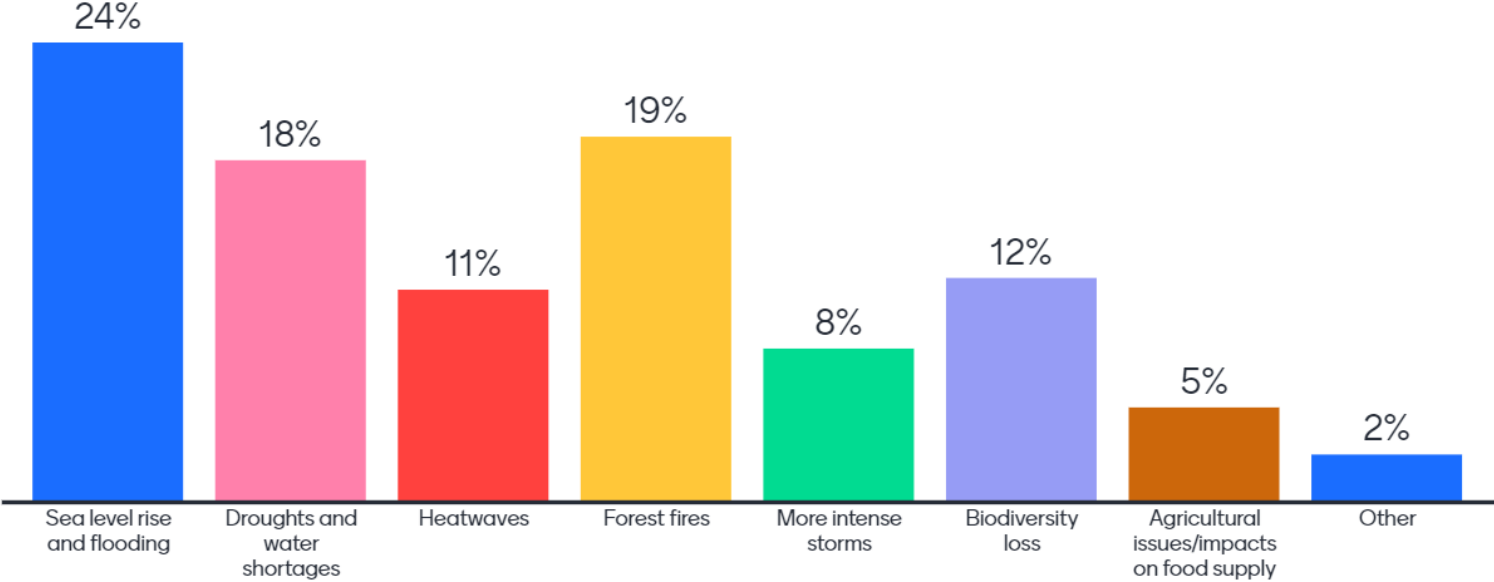
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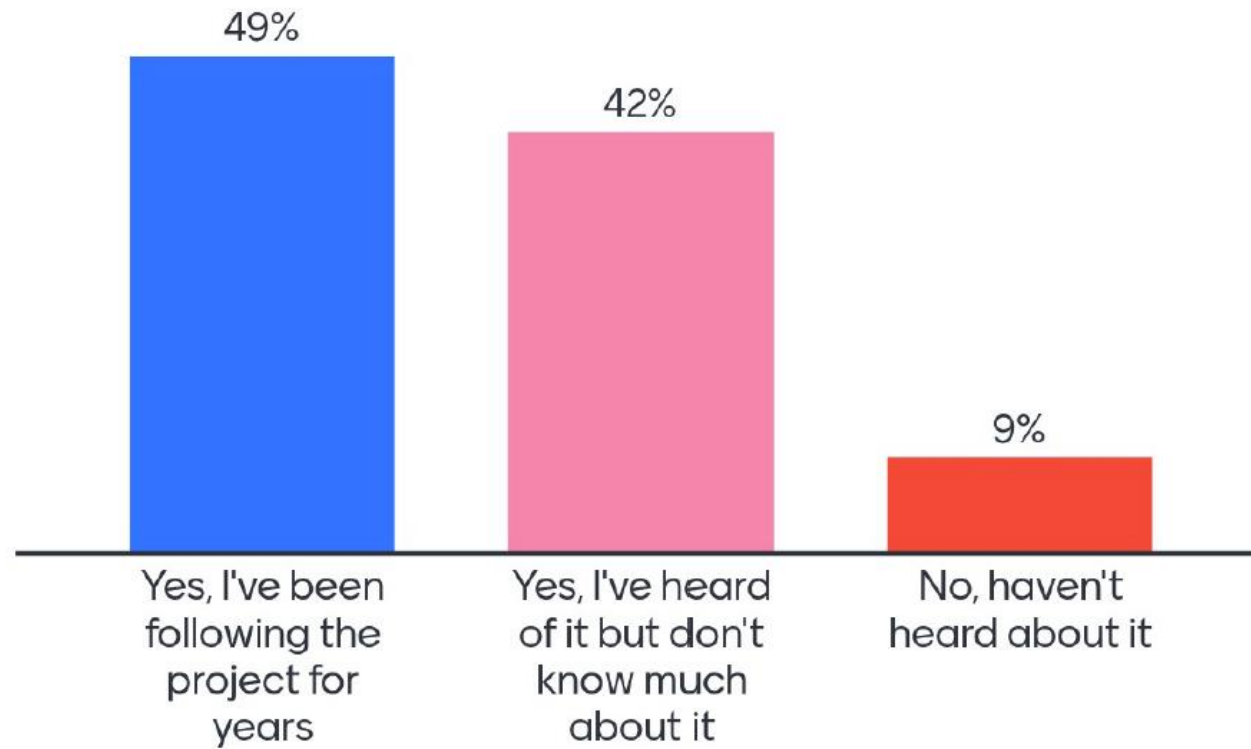
When was the last time you took a walk/bike ride on the Bay Trail in Sunnyvale



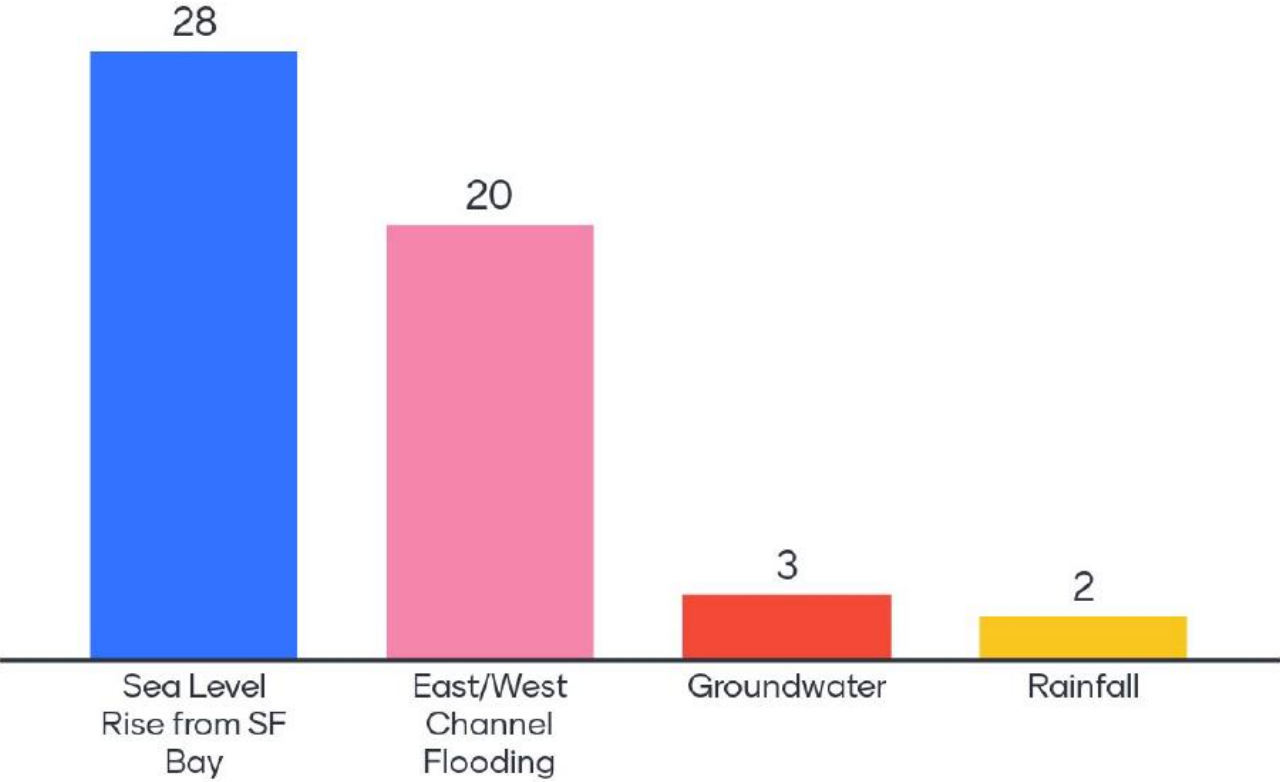
What are your biggest concerns associated with climate hazards? Check up to 3.



Are you aware of the South Bay Salt Pond Restoration Project?



Which potential source of flooding do you think is most important in Moffett Park?



Moffett Park Specific Plan

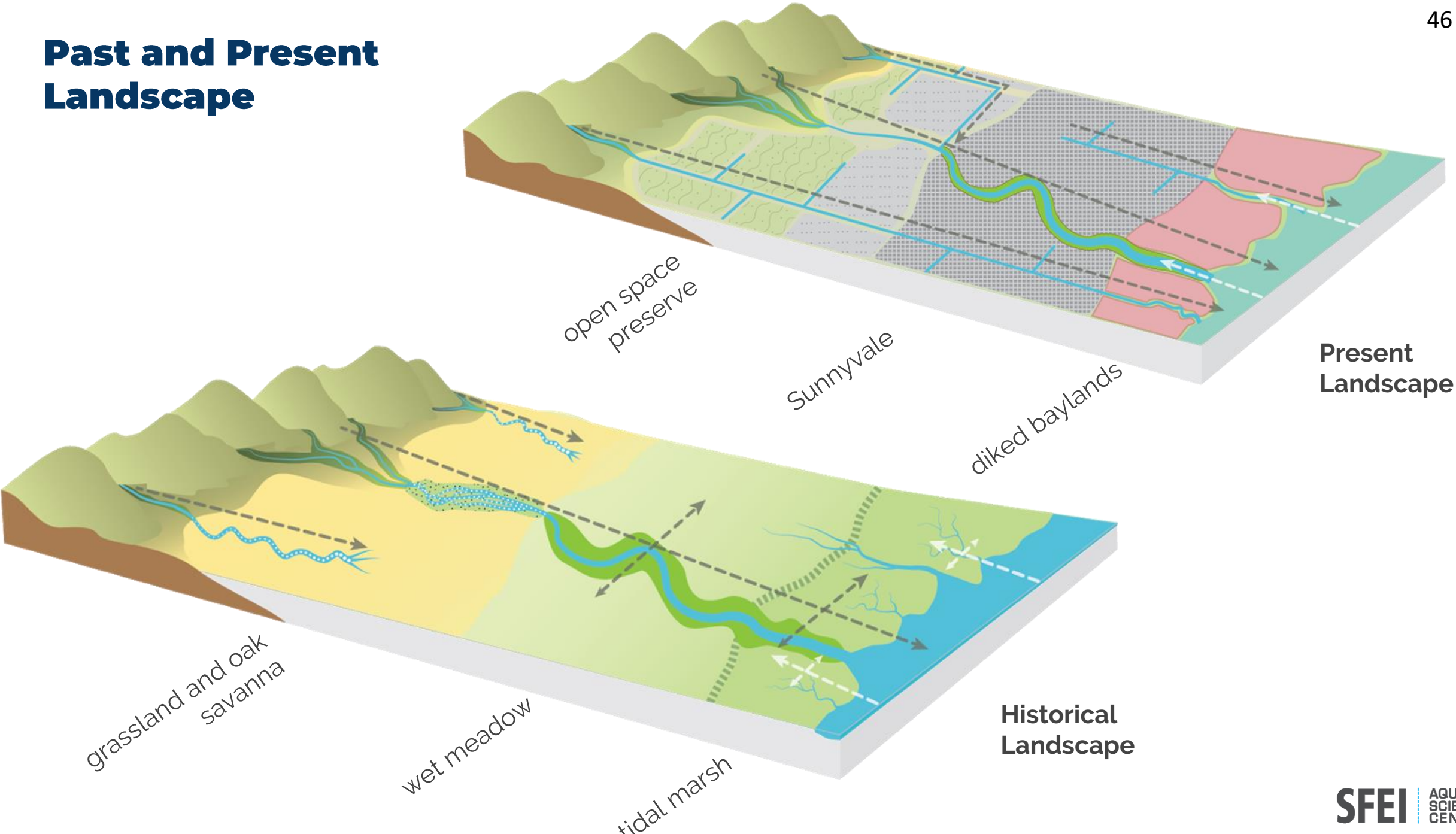
Sea-level Rise Overview &
Multi-benefit Strategies

Outline

1. **Sea-level Rise Overview** (Jeremy Lowe, SFEI)
2. **Hazards Profile & Sea-level Rise Adaptation Strategy** (Matt Brennan, ESA)
3. **Flood Control & Restoration Projects** (Roxanne Grillo, VW)
4. **Multi-benefit Strategies for Moffett Park** (Micaela Bazo, SFEI)

1. Sea-level Rise Overview

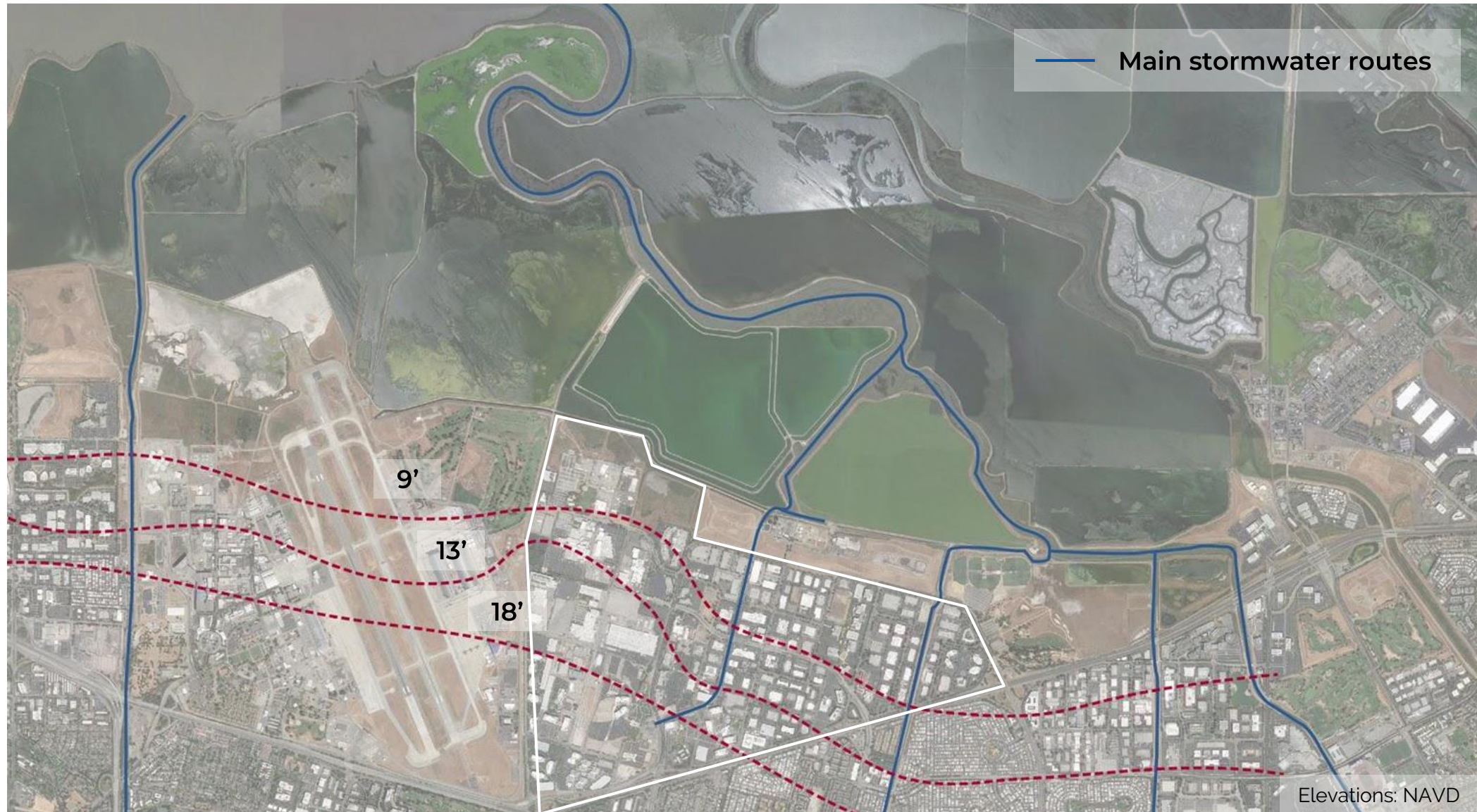
Past and Present Landscape



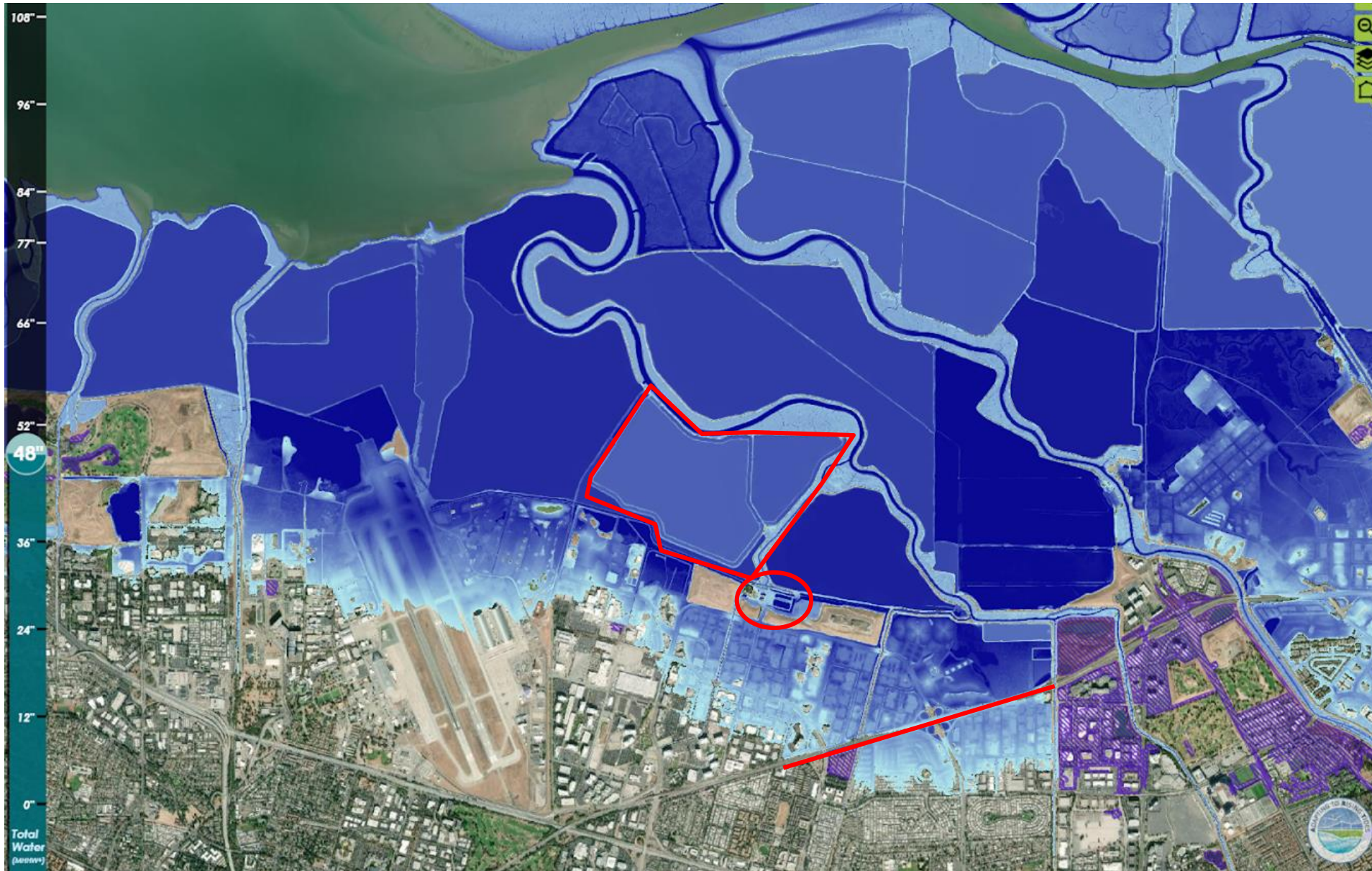
Present Landscape

Historical Landscape

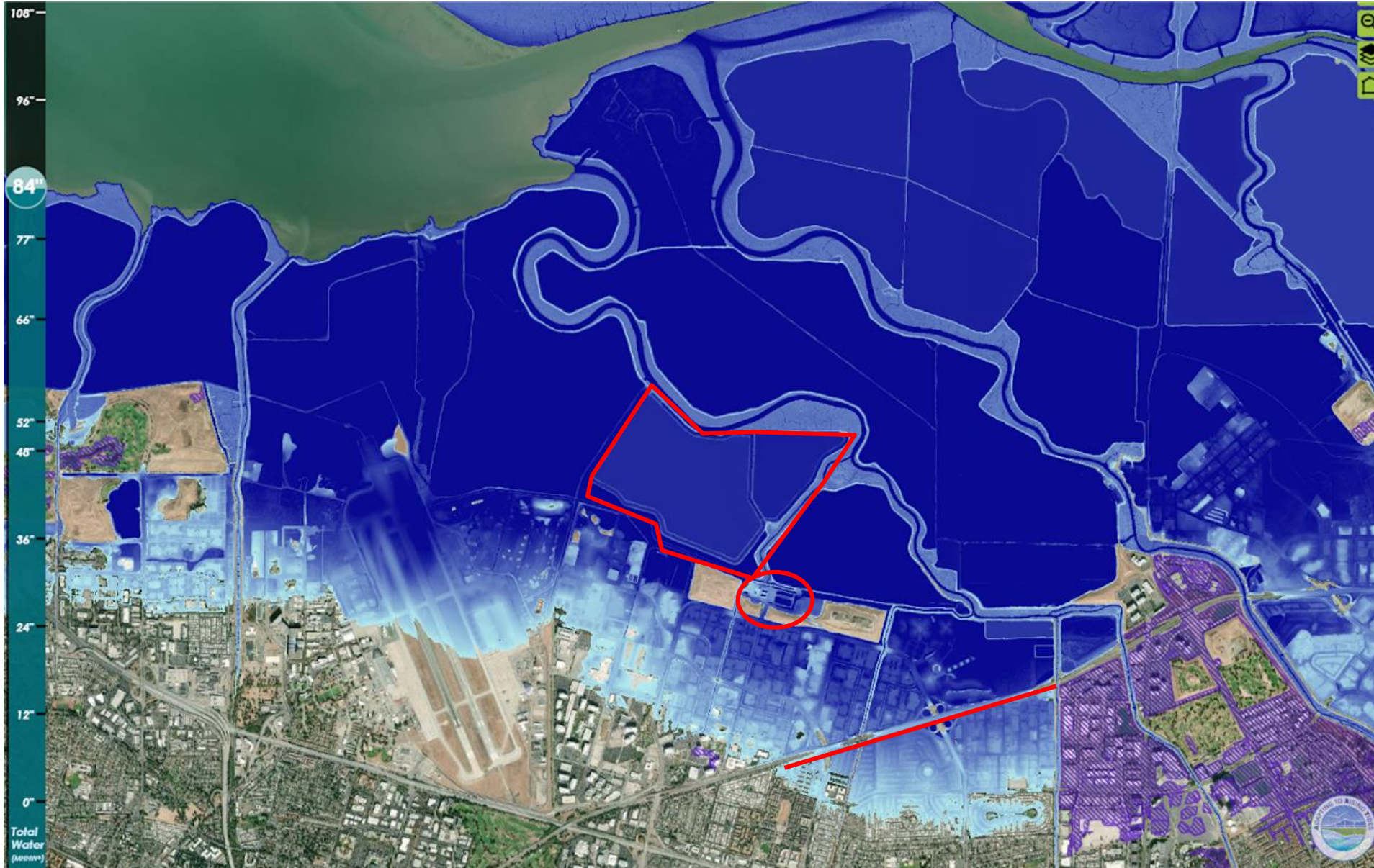
Present landscape



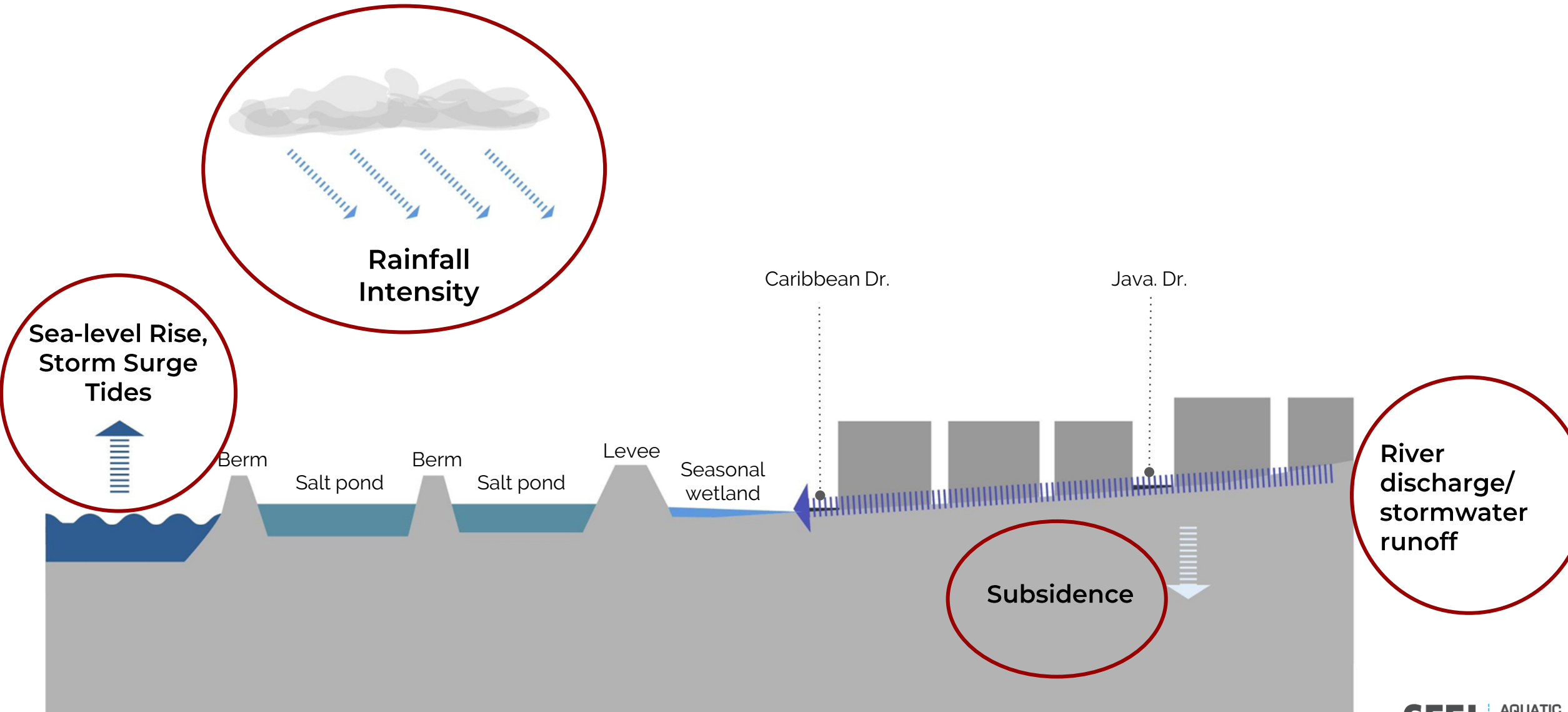
Today - 100-year storm



3.5 feet of sea-level rise and a 100-year storm

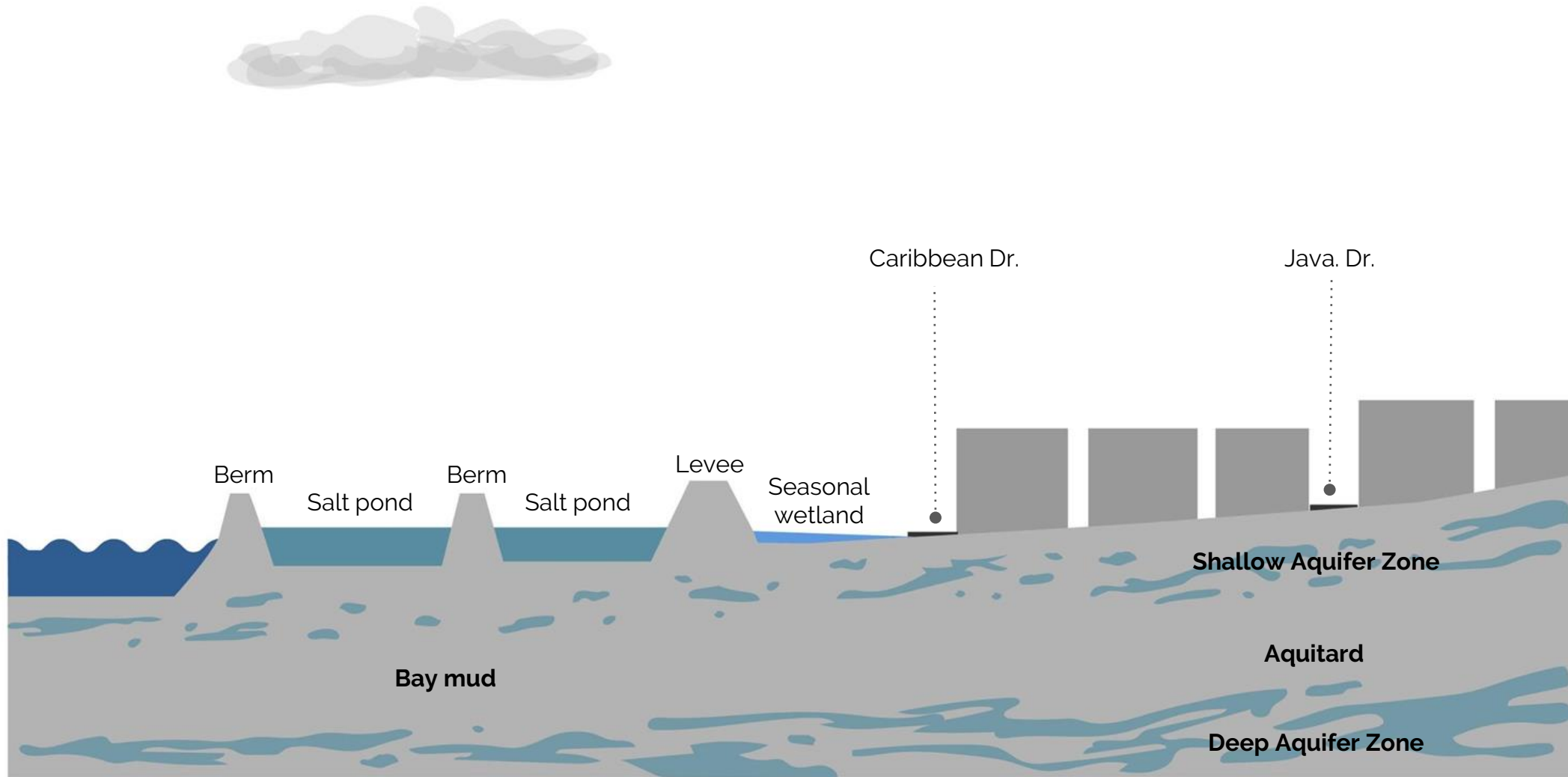


Sources of surface flooding



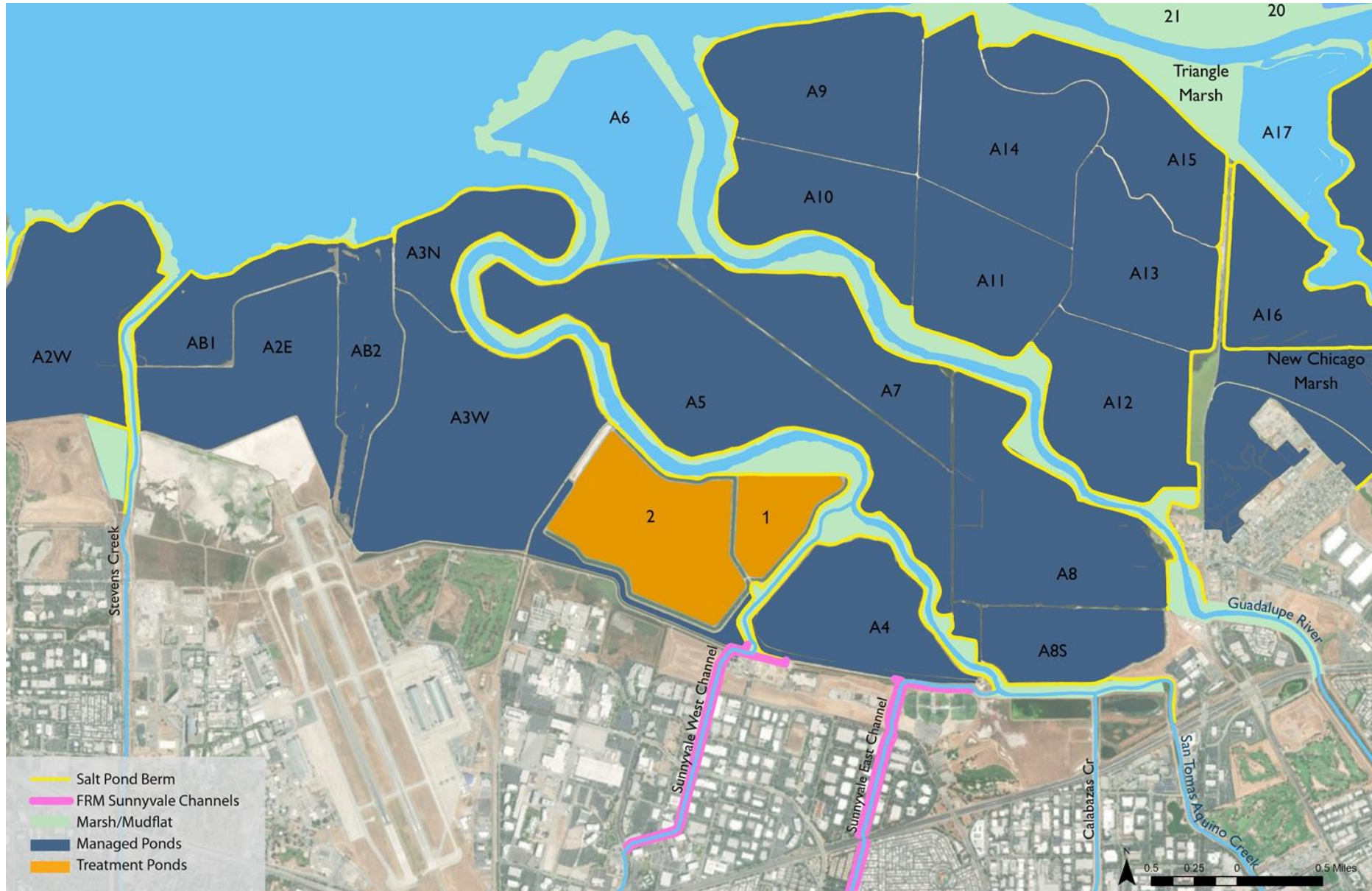
Diagrammatic only: not to scale

Groundwater

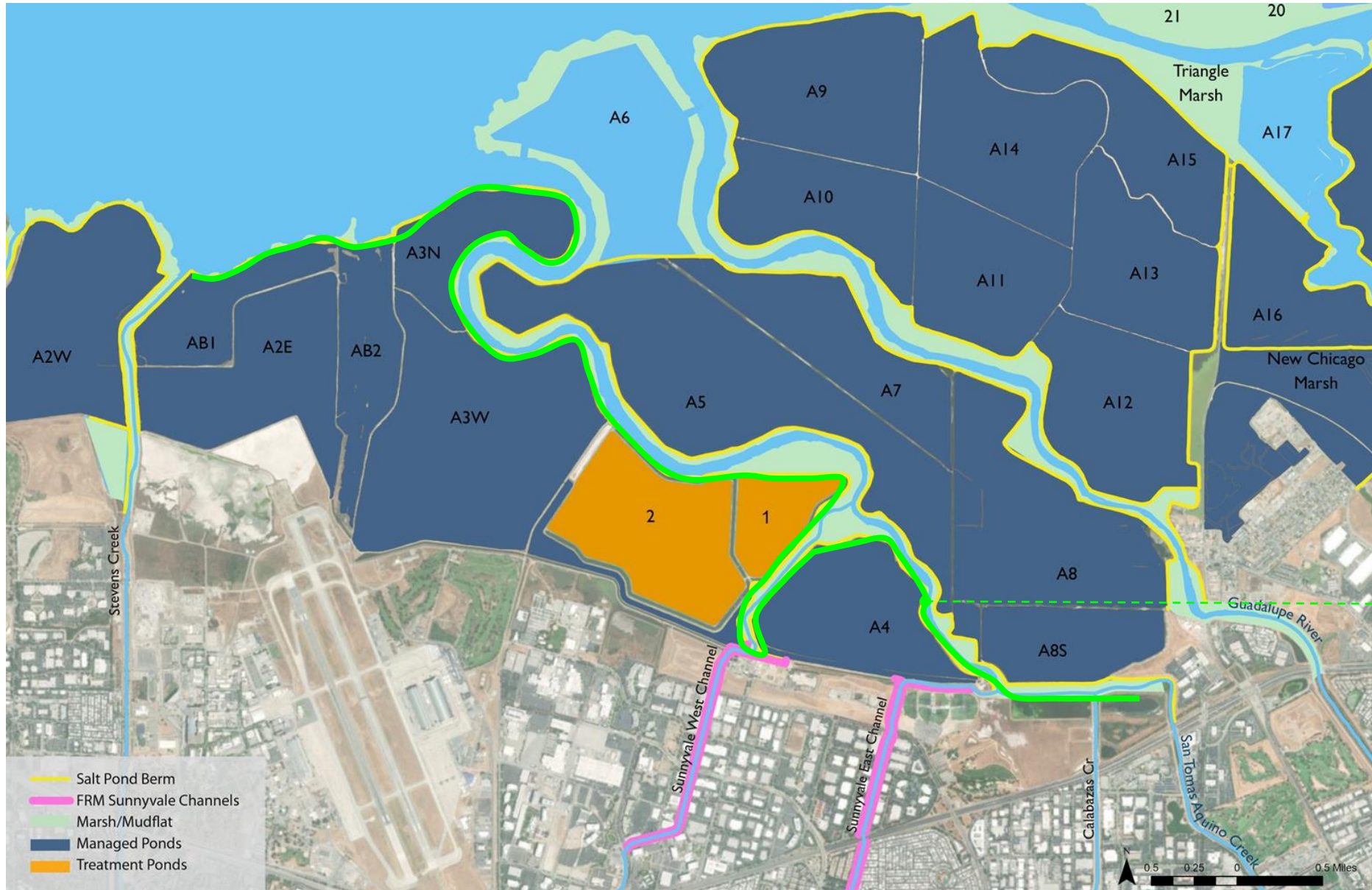


Diagrammatic only: not to scale

Present Day Baylands - Salt Ponds

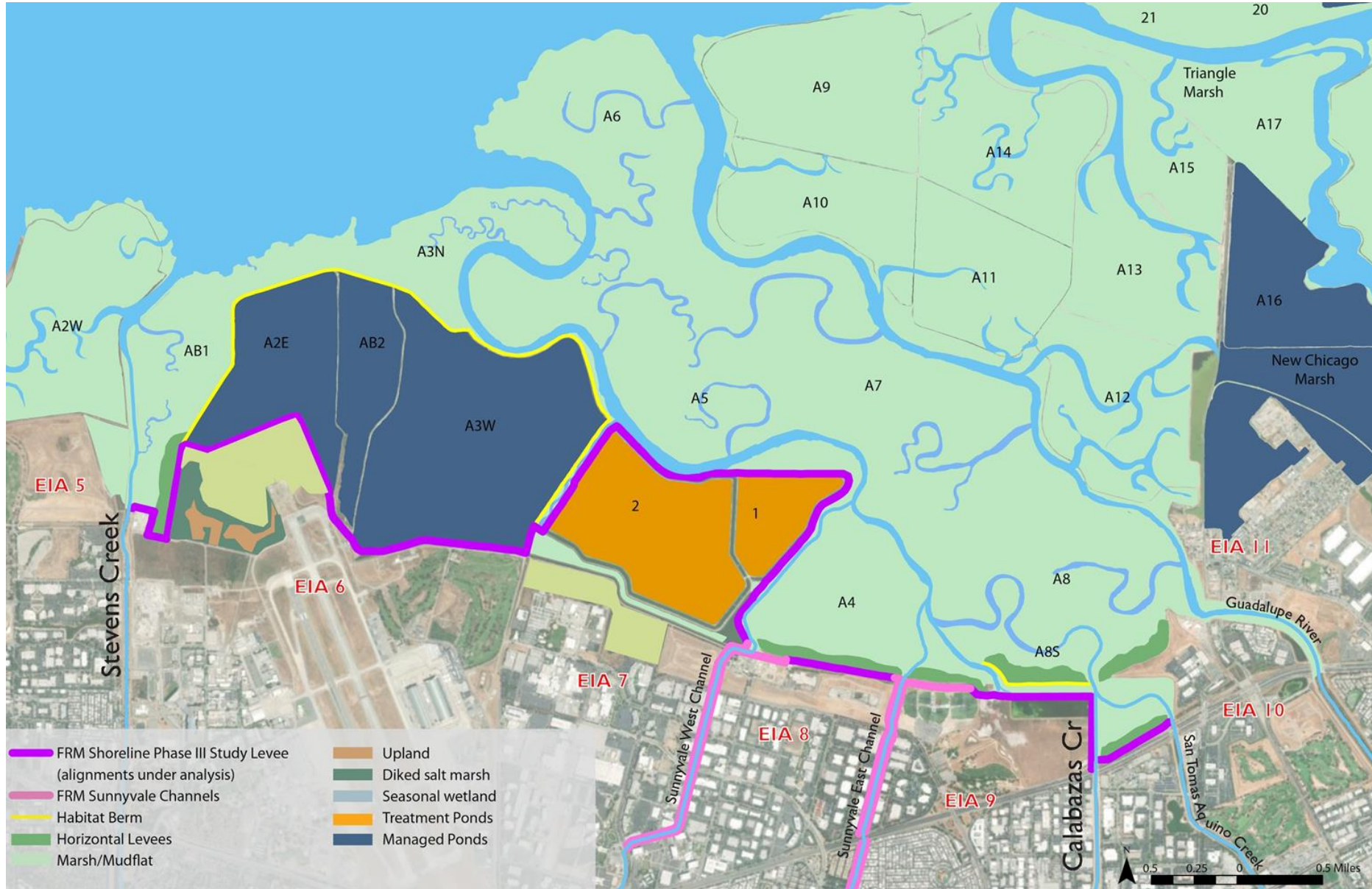


Present Day Baylands - Salt Ponds and Outermost Berms



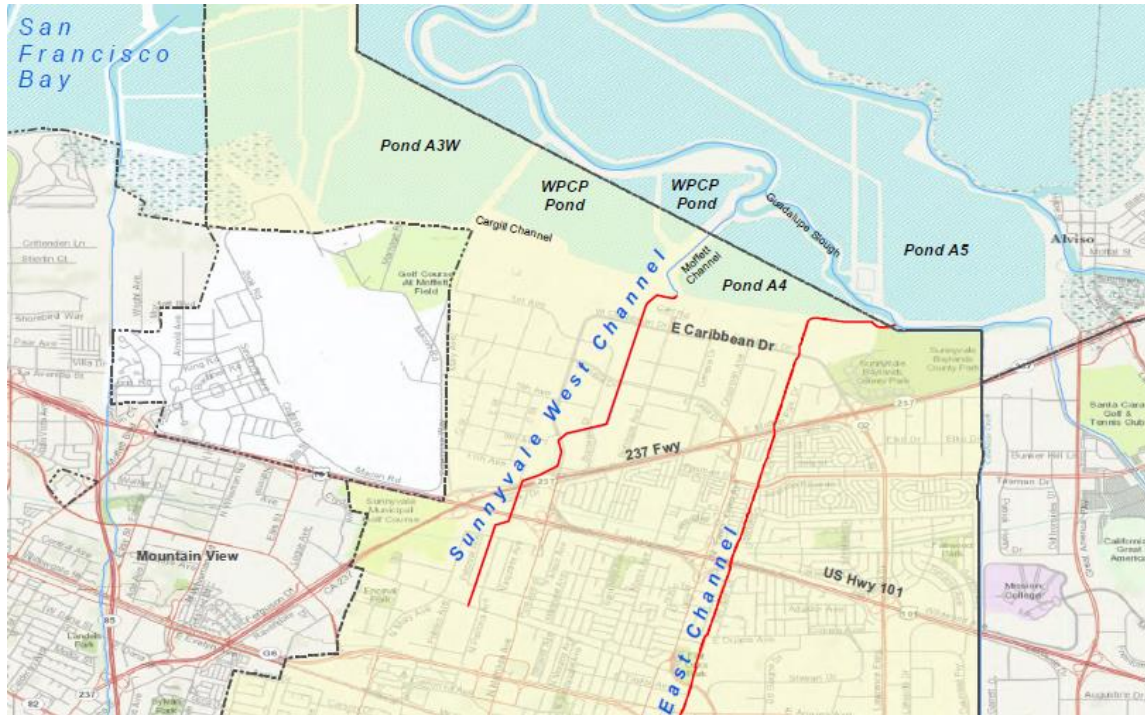
Outermost Berm

Future Baylands - Levee to Protect Sunnyvale and Restore Marshes

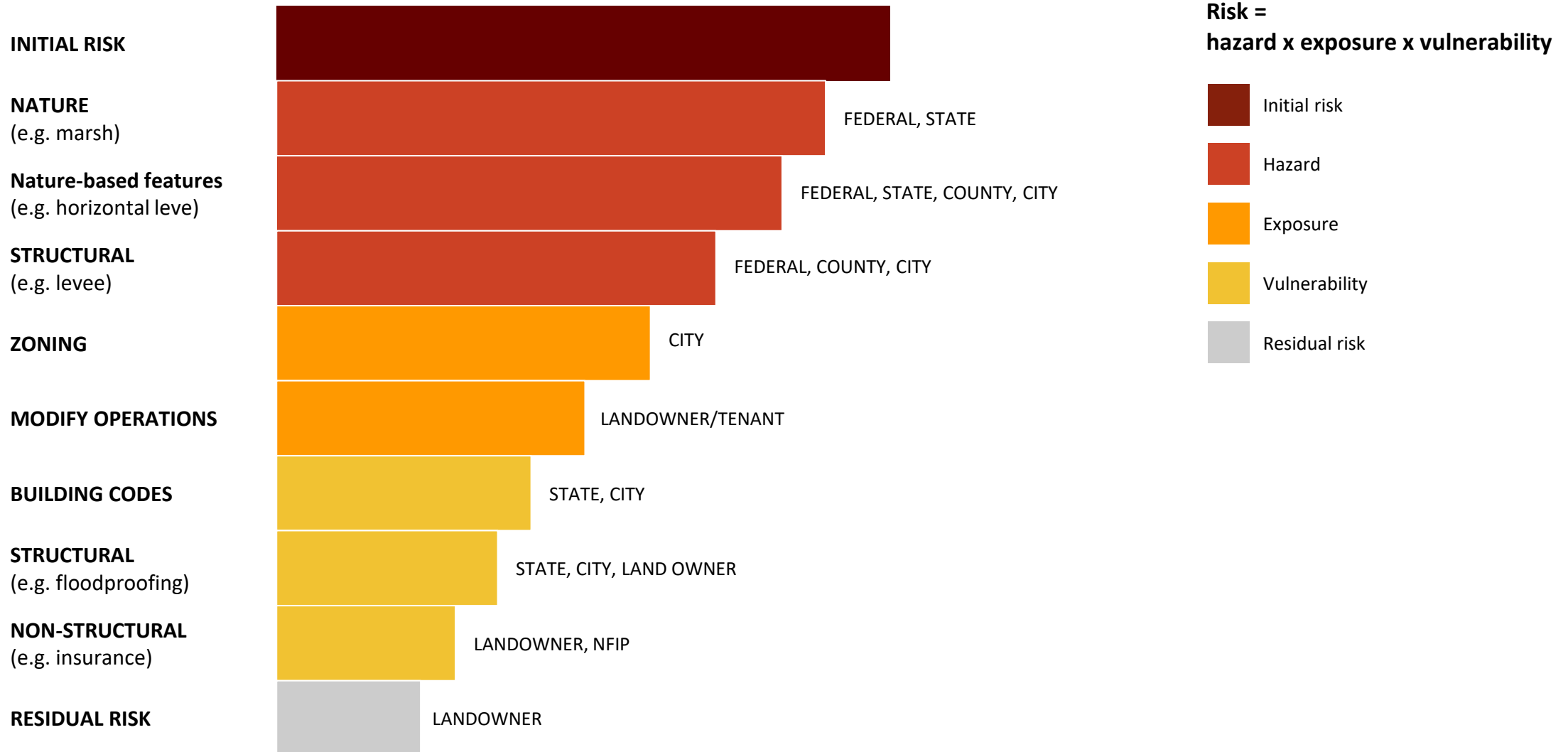


Alternative 2, Sunnyvale Shoreline Resilience Vision

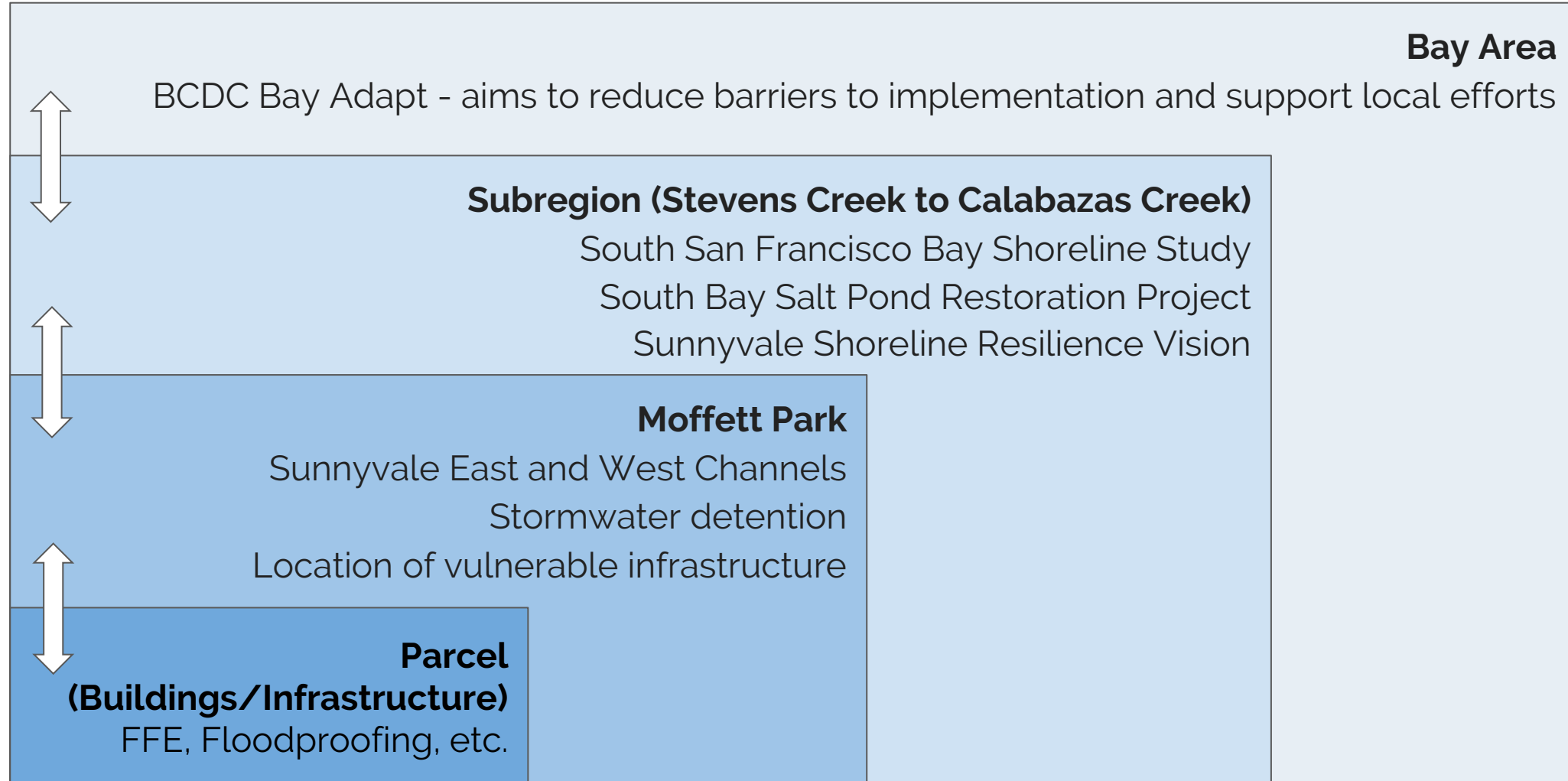
Sunnyvale East & West Channels



Shared flood management



Shared flood management



Key local, state, and federal interests



FEMA



**US Army Corps
of Engineers®**



Sunnyvale



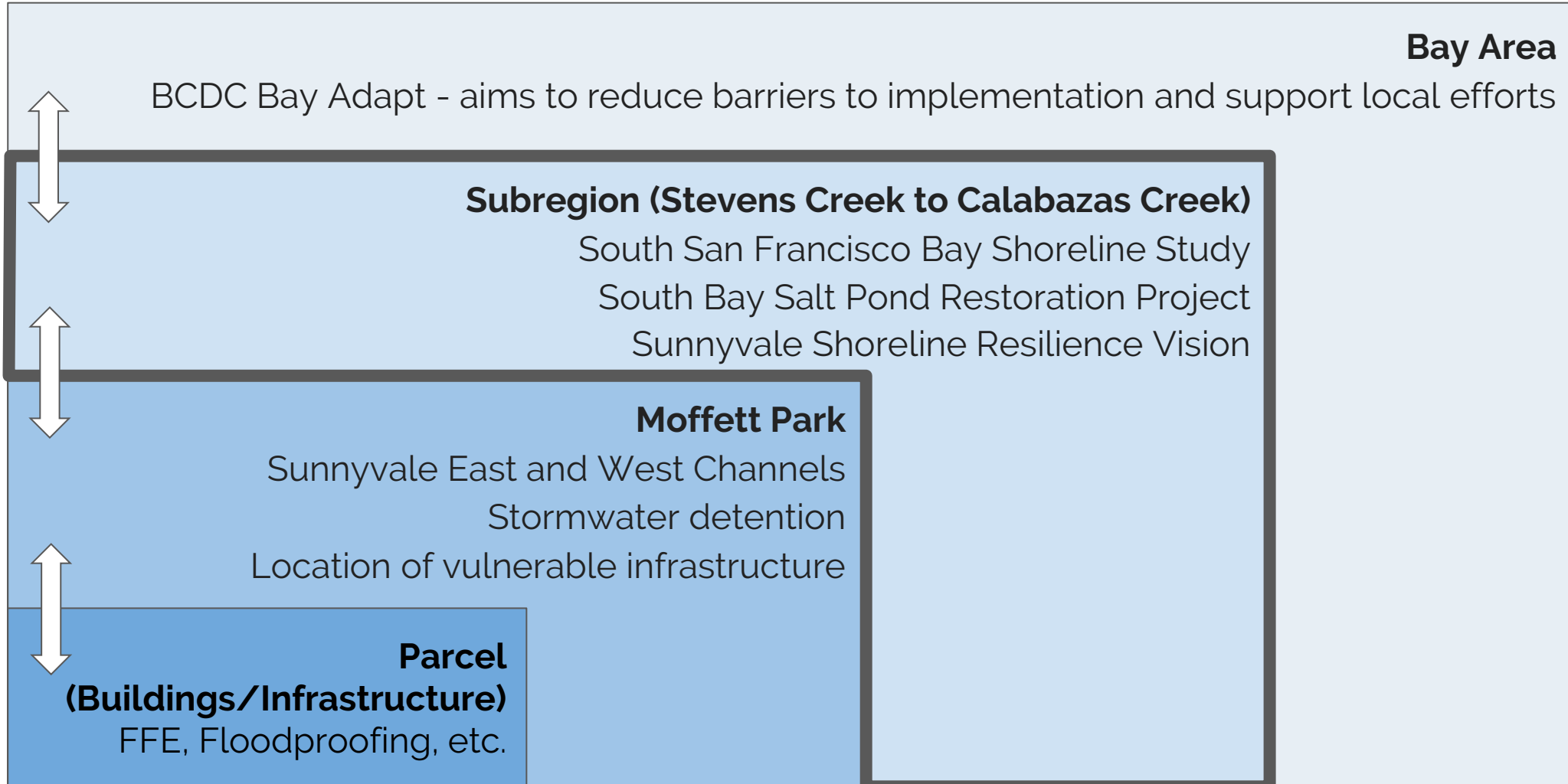
State of California
Coastal Conservancy



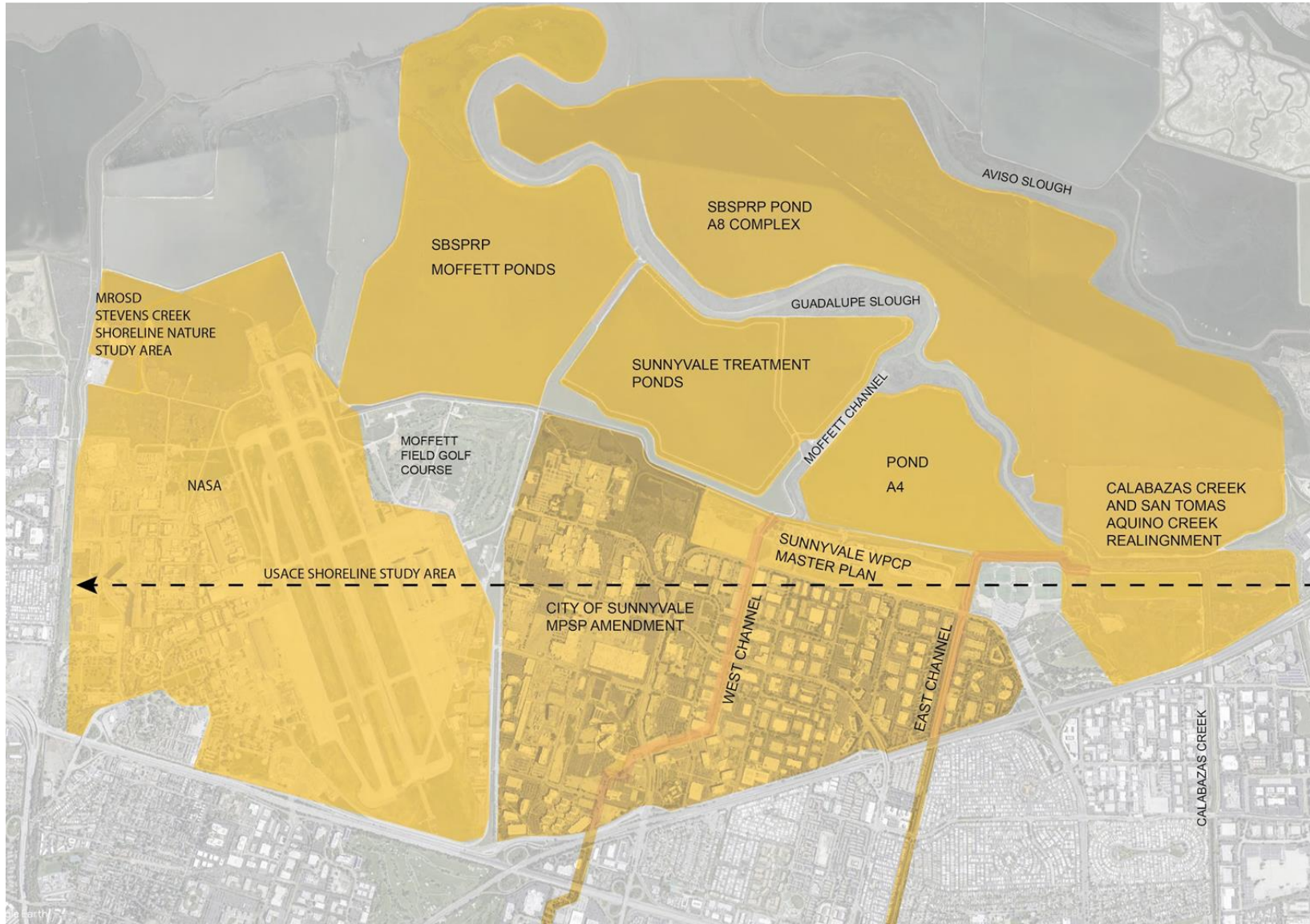
**SAN FRANCISCO BAY
RESTORATION AUTHORITY**



Shared flood management



Sunnyvale Shoreline Resilience Vision

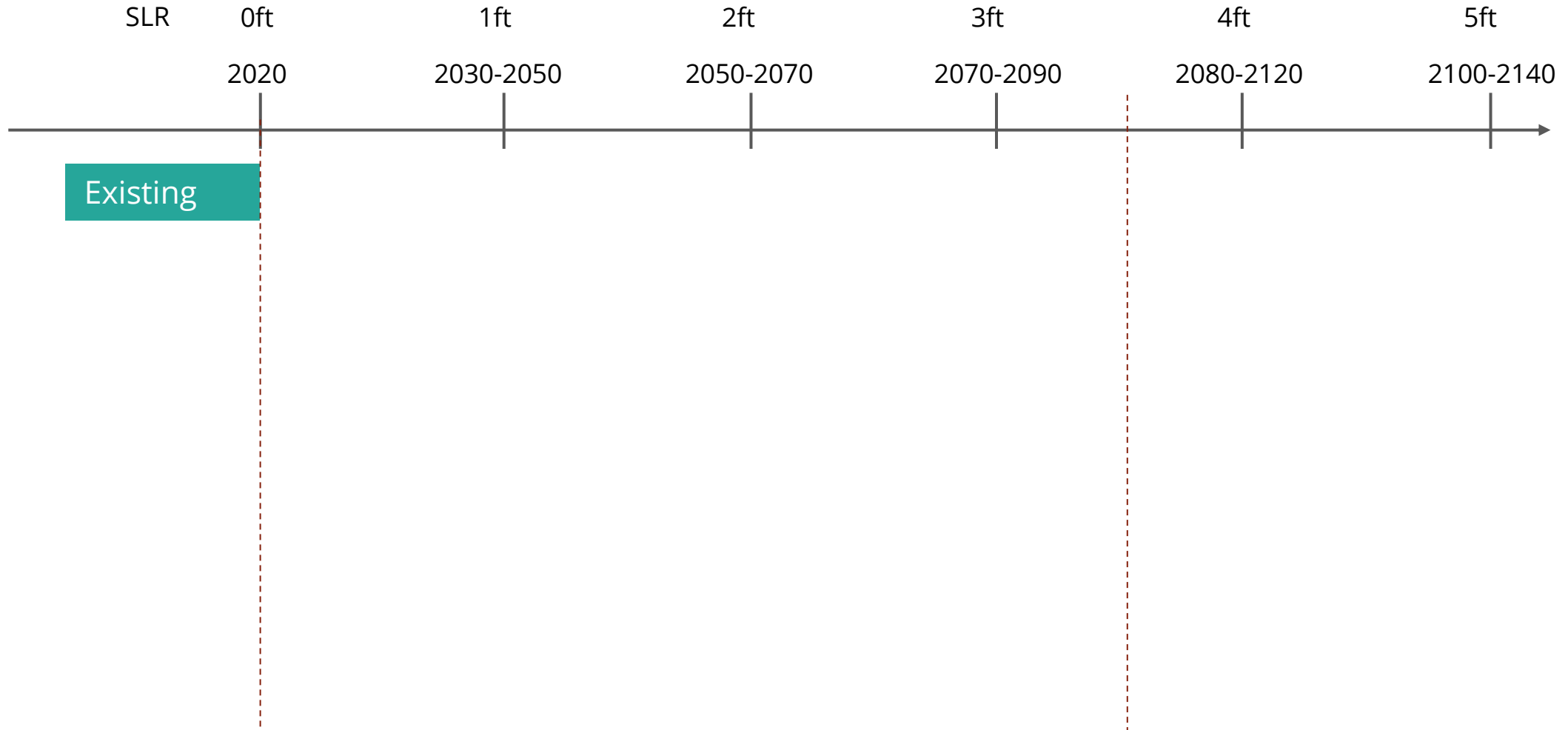


Partners:

- City of Sunnyvale
- Valley Water
- South Bay Salt Ponds Project
- USFWS Don Edwards Refuge
- NASA
- Midpeninsula Regional OSD
- Google
- Lockheed Martin

Timeline

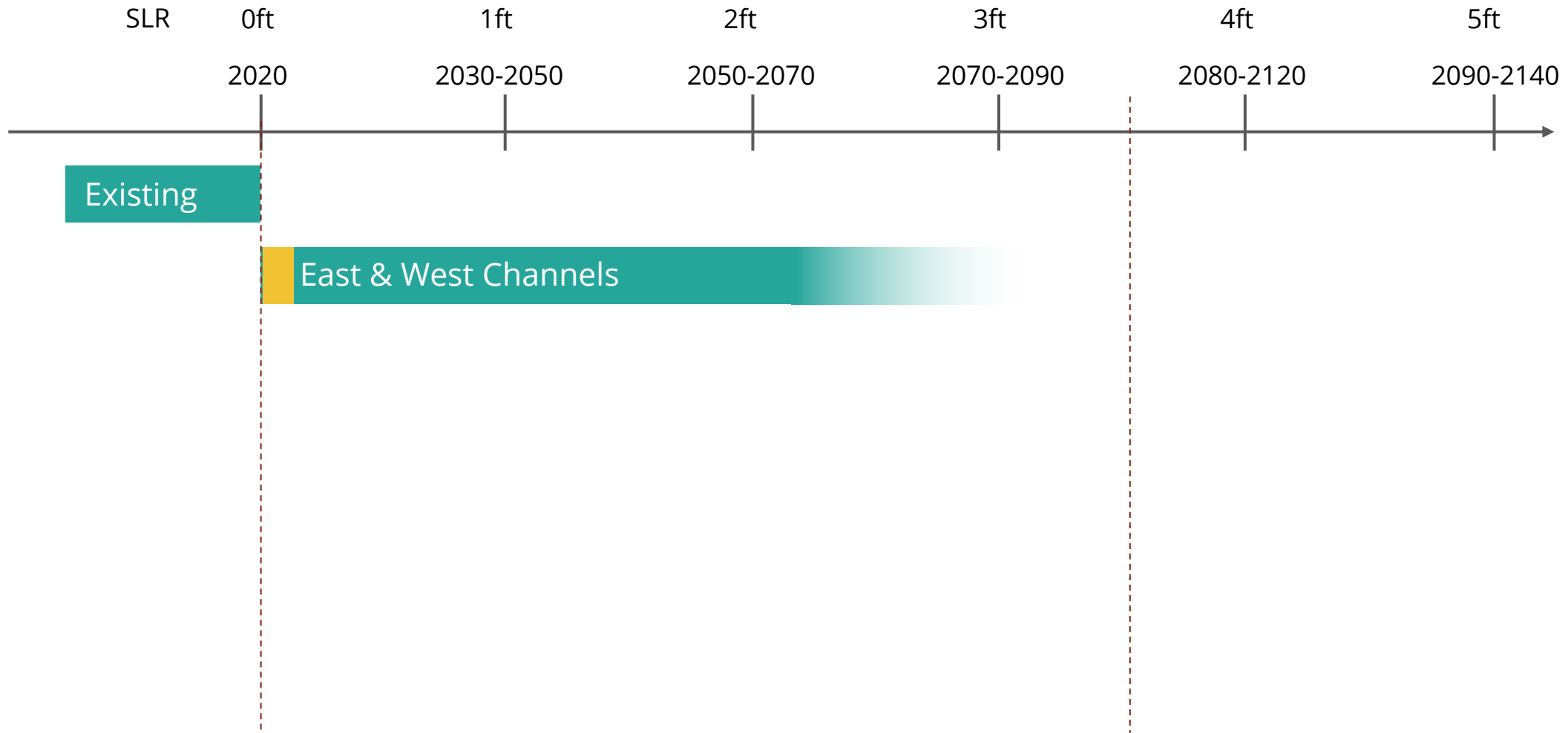
*SLR thresholds and pathway for illustrative purposes only



----- Threshold Lead Time Effective

Timeline

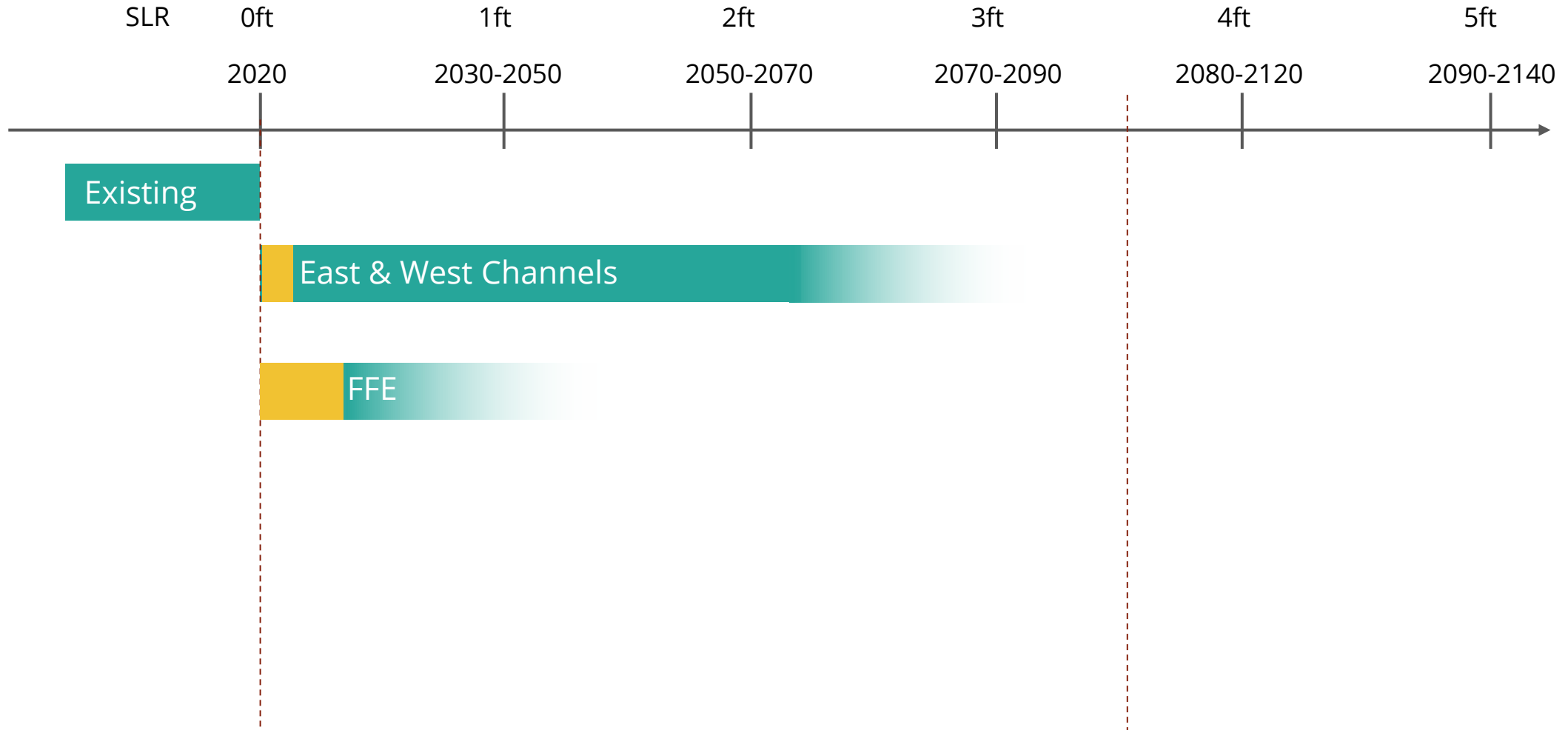
*SLR thresholds and pathway for illustrative purposes only



----- Threshold Lead Time Effective

Timeline

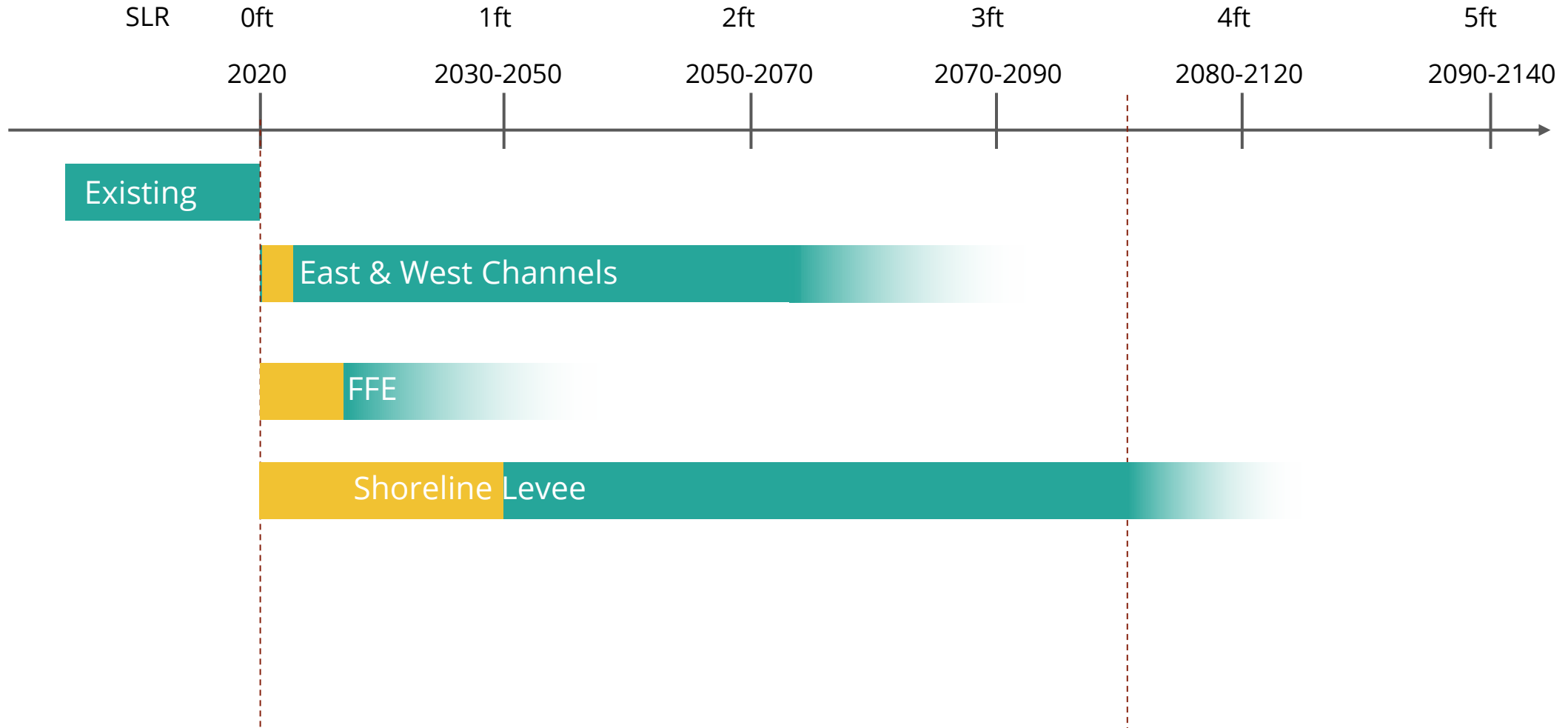
*SLR thresholds and pathway for illustrative purposes only



----- Threshold Lead Time Effective

Timeline

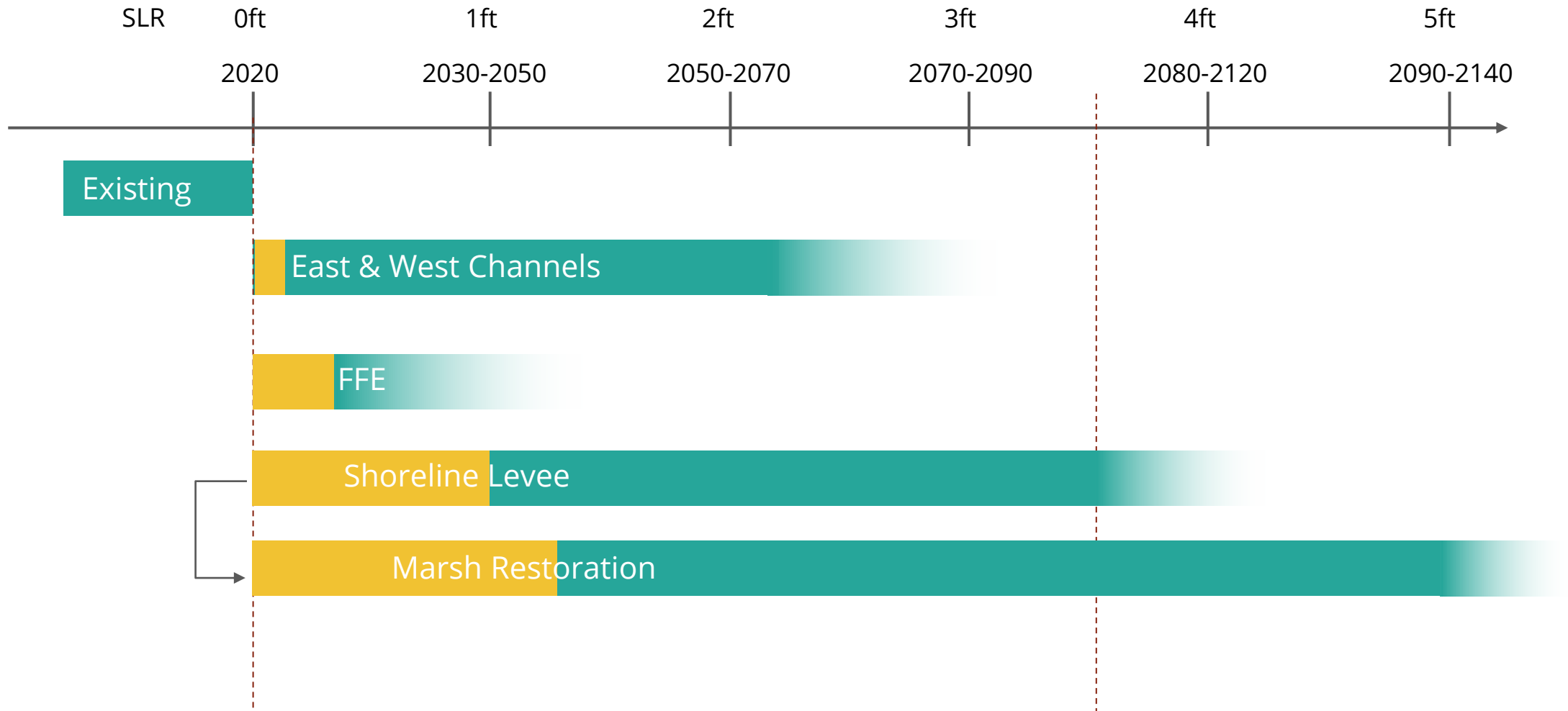
*SLR thresholds and pathway for illustrative purposes only



----- Threshold Lead Time Effective

Timeline

*SLR thresholds and pathway for illustrative purposes only



What could the transition to a more resilient Sunnyvale look like?

For the mid-term 2030-2080 - Realignment of Levees

1. The approach is to realign and raise the levees to a shorter, more feasible location to protect Sunnyvale and allow marsh restoration to occur.
2. Design the current solutions with flexibility for adaptation in the future.

For the longer-term 2080-2130 - Review Flood Protection Needs

1. In the latter part of the century will need to evaluate how the levee is performing, how the management of flooding is shared, and what changes need to be made to maintain the level of flood protection. This depends on:
 - a. How fast sea-level, groundwater etc are rising
 - b. How have the protected assets changed
 - c. How much protection is afforded by the restored marshes

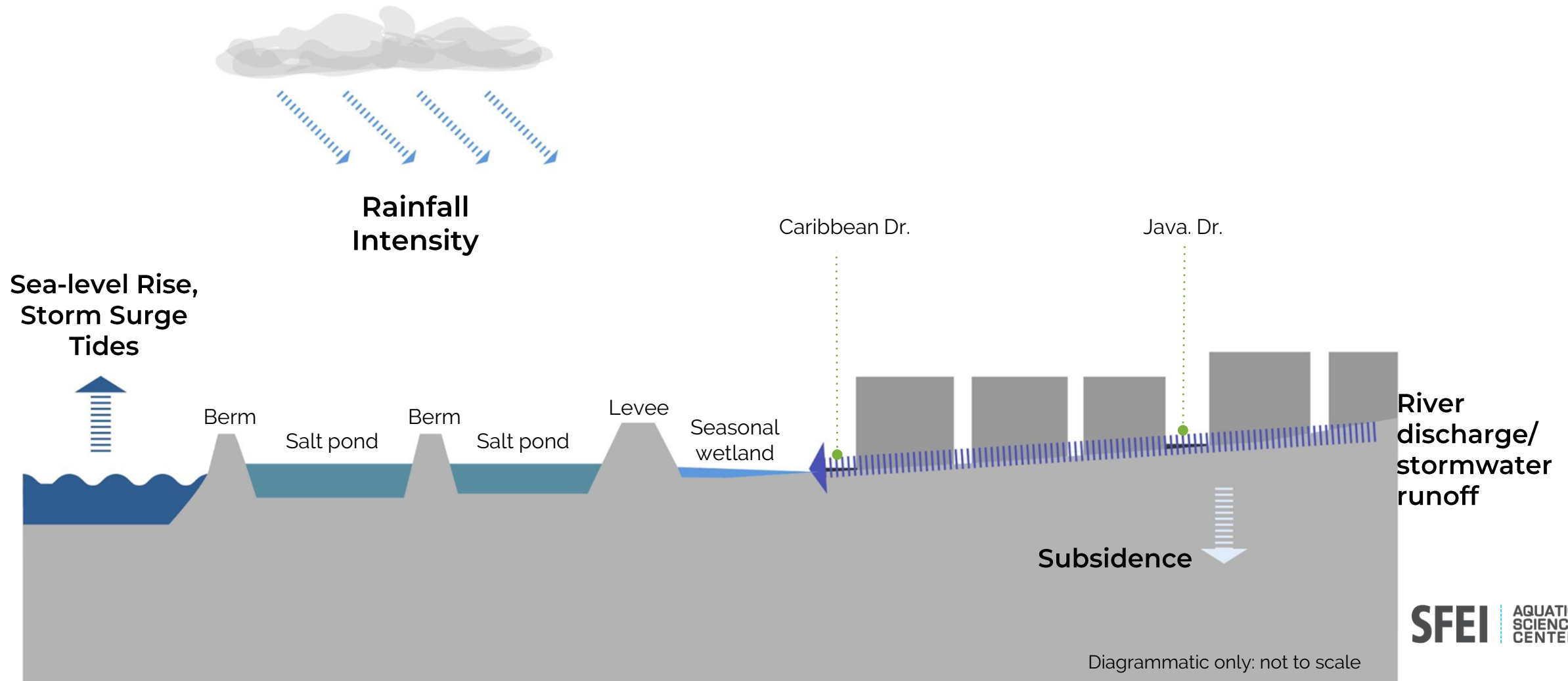
Connecting Urban Ecology to the Baylands



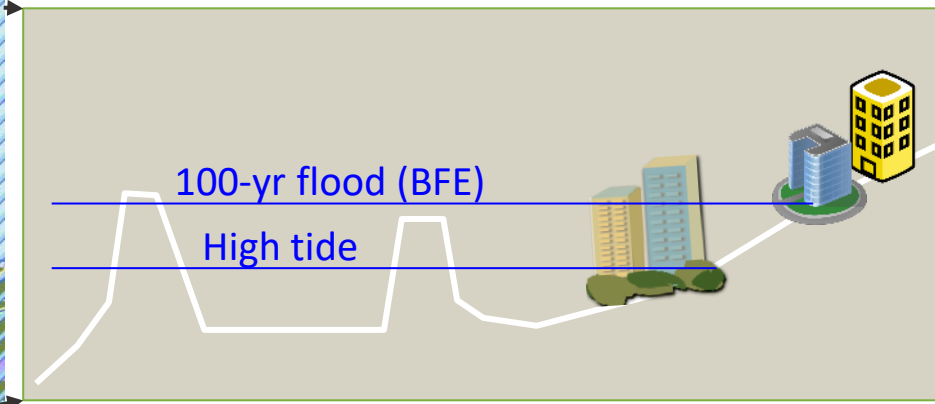
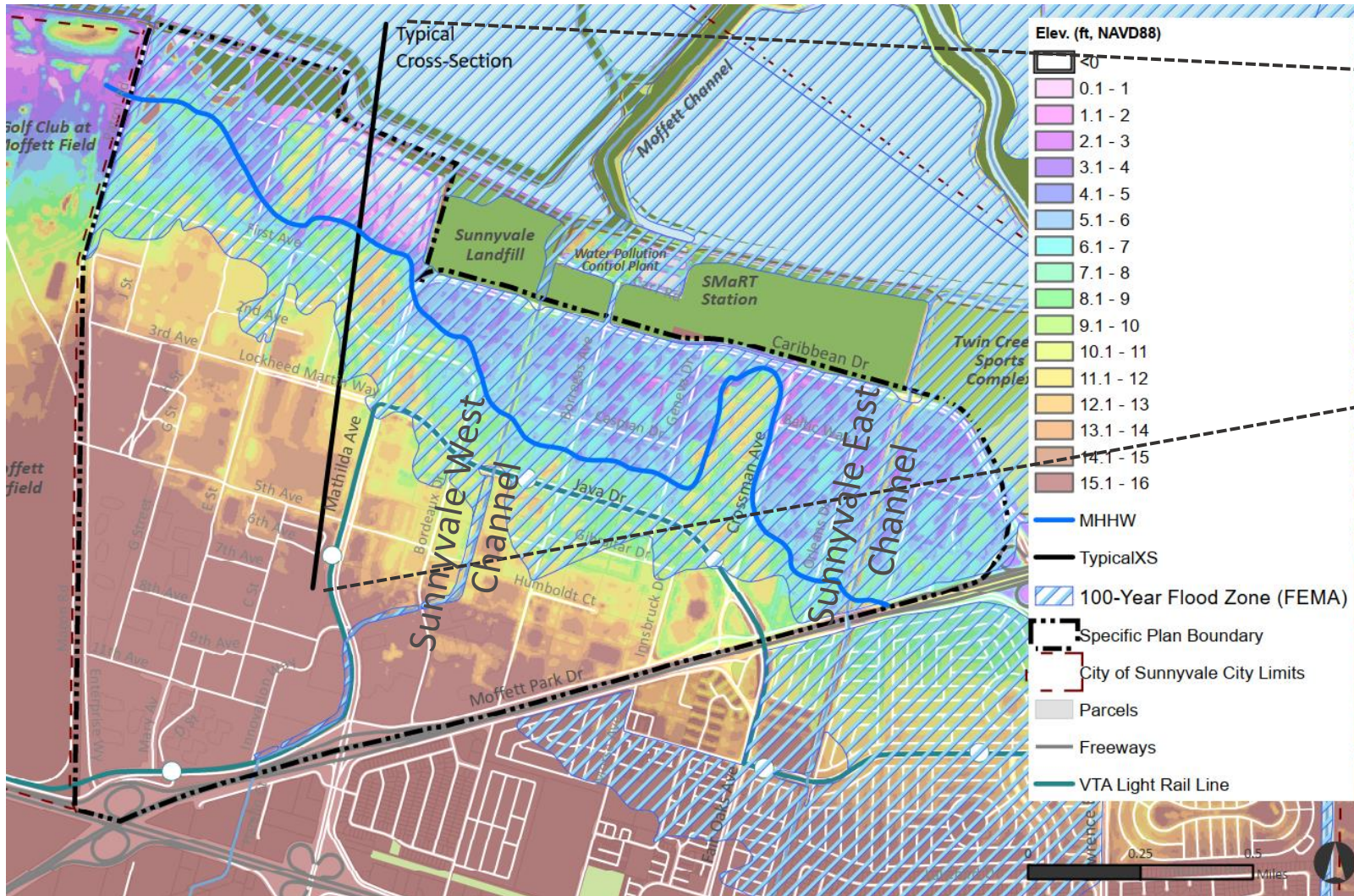
2. Hazards Profile + Sea-level Rise Adaptation Strategy

(Matt Brennan, ESA)

Sources of Surface Flooding



Existing Coastal Flood Hazard from SF Bay



Bay & Sloughs
Outboard levee
WWTP/salt pond
Inboard levee
Managed wetland
Moffett Park

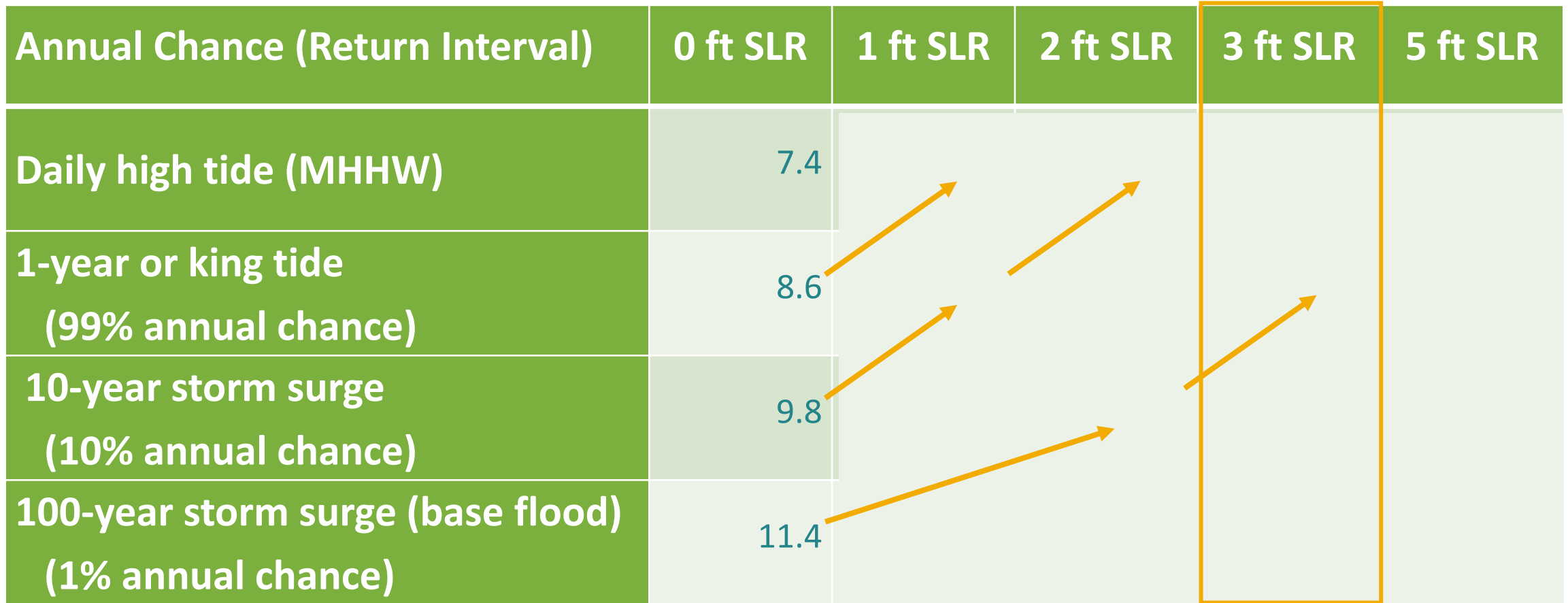
Sources: NOAA (2014), FEMA (2009)

Projected Sea-level Rise

Scenario	2030	2050	2070	2100
66% Likely Occurrence: Low Risk Aversion	0.5	1.1	1.9	3.4
0.5% Chance of Exceedance: Medium-High Risk Aversion	0.8	1.9	3.5	6.9

Source: OPC (2018) for high emissions scenario

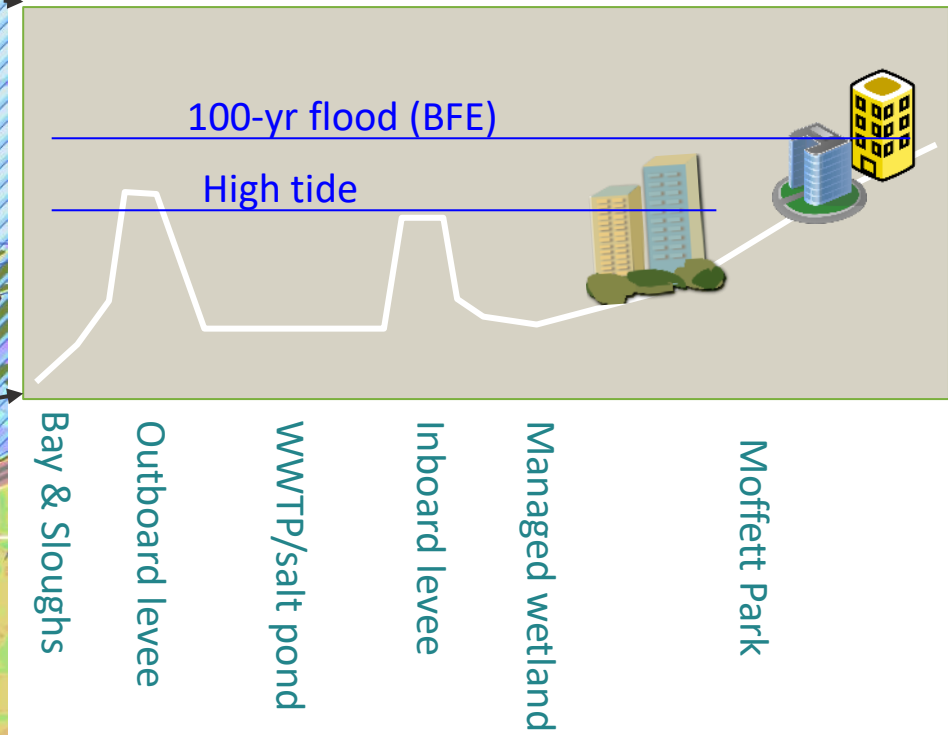
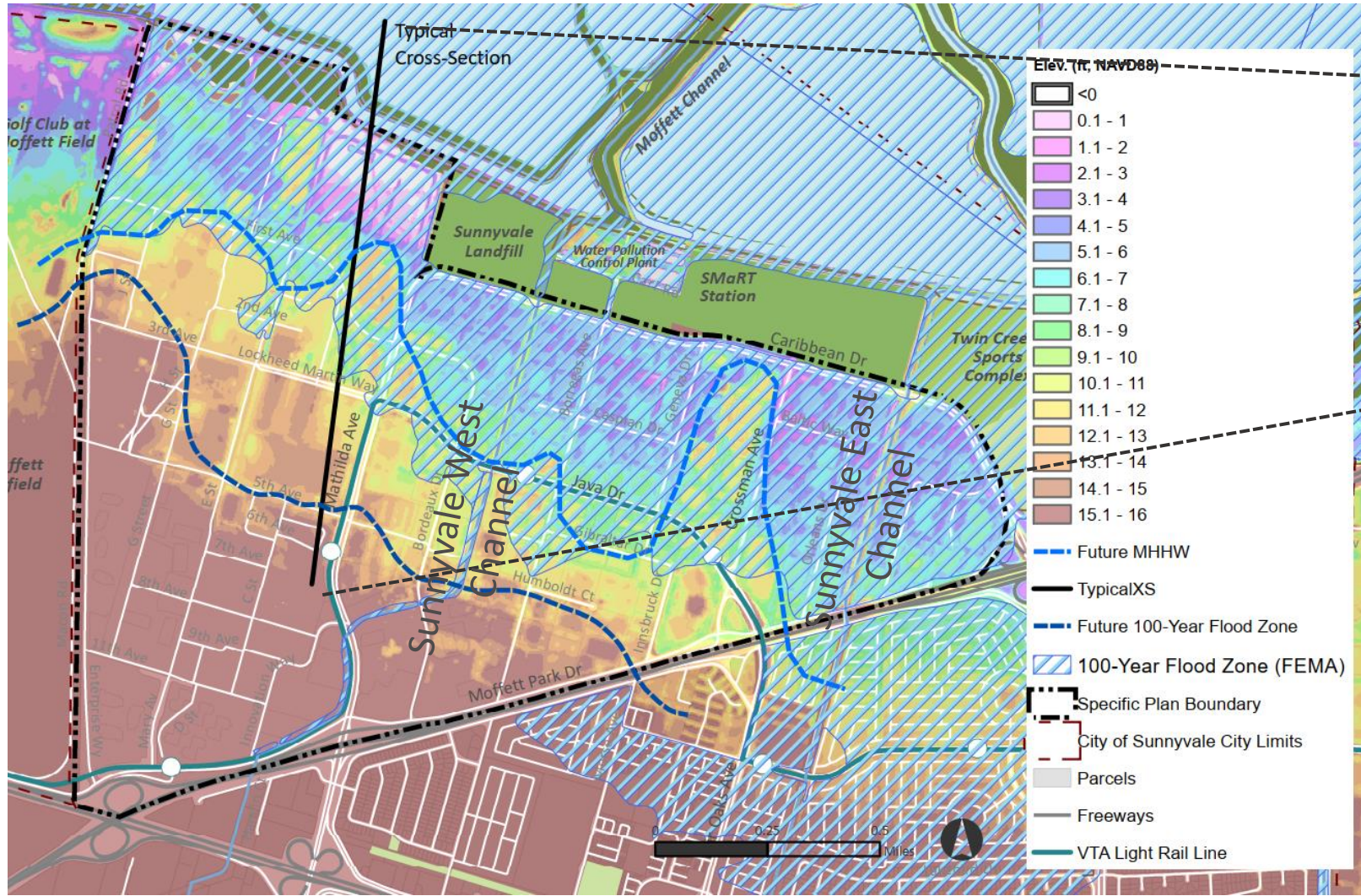
Change in Extreme Bay Water Levels with Projected Sea-level Rise



SOURCE: AECOM (2016)

Time frame: 2070-2100

Flood Hazard with 3 ft Sea-level Rise

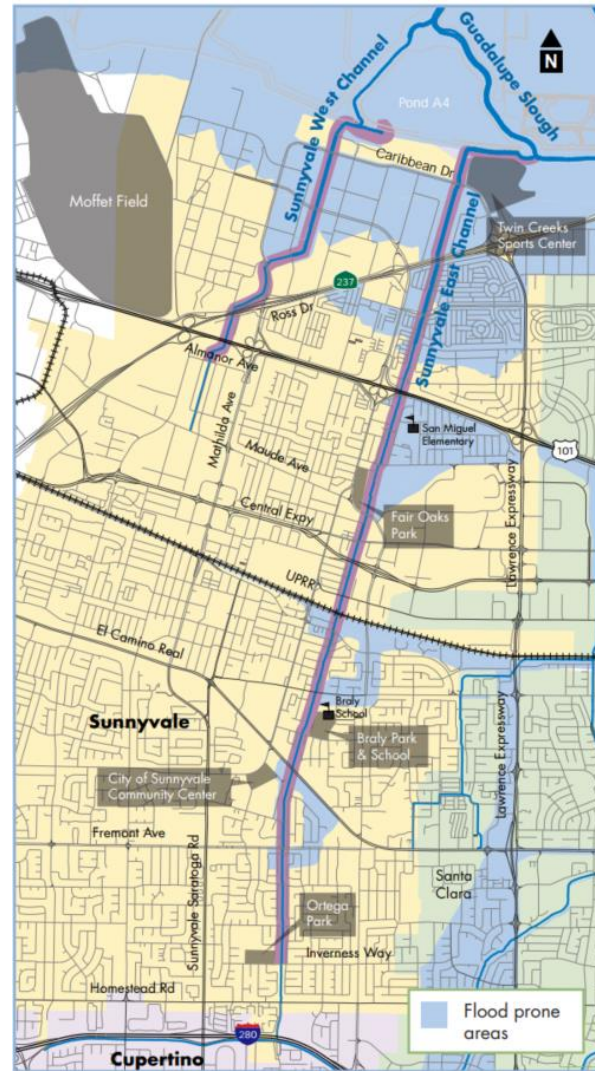


Sources: NOAA (2014), FEMA (2009)

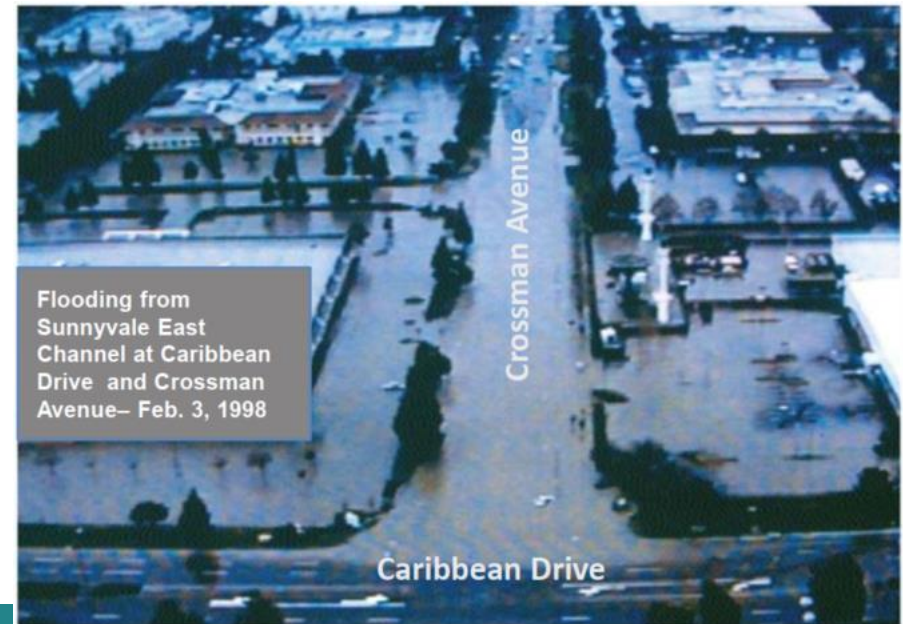
Fluvial Flooding from East and West Channels



Flooding from Sunnyvale West Channel near Caribbean Drive in Sunnyvale



Flooding from Sunnyvale East Channel at Caribbean Drive - Dec. 2, 2012



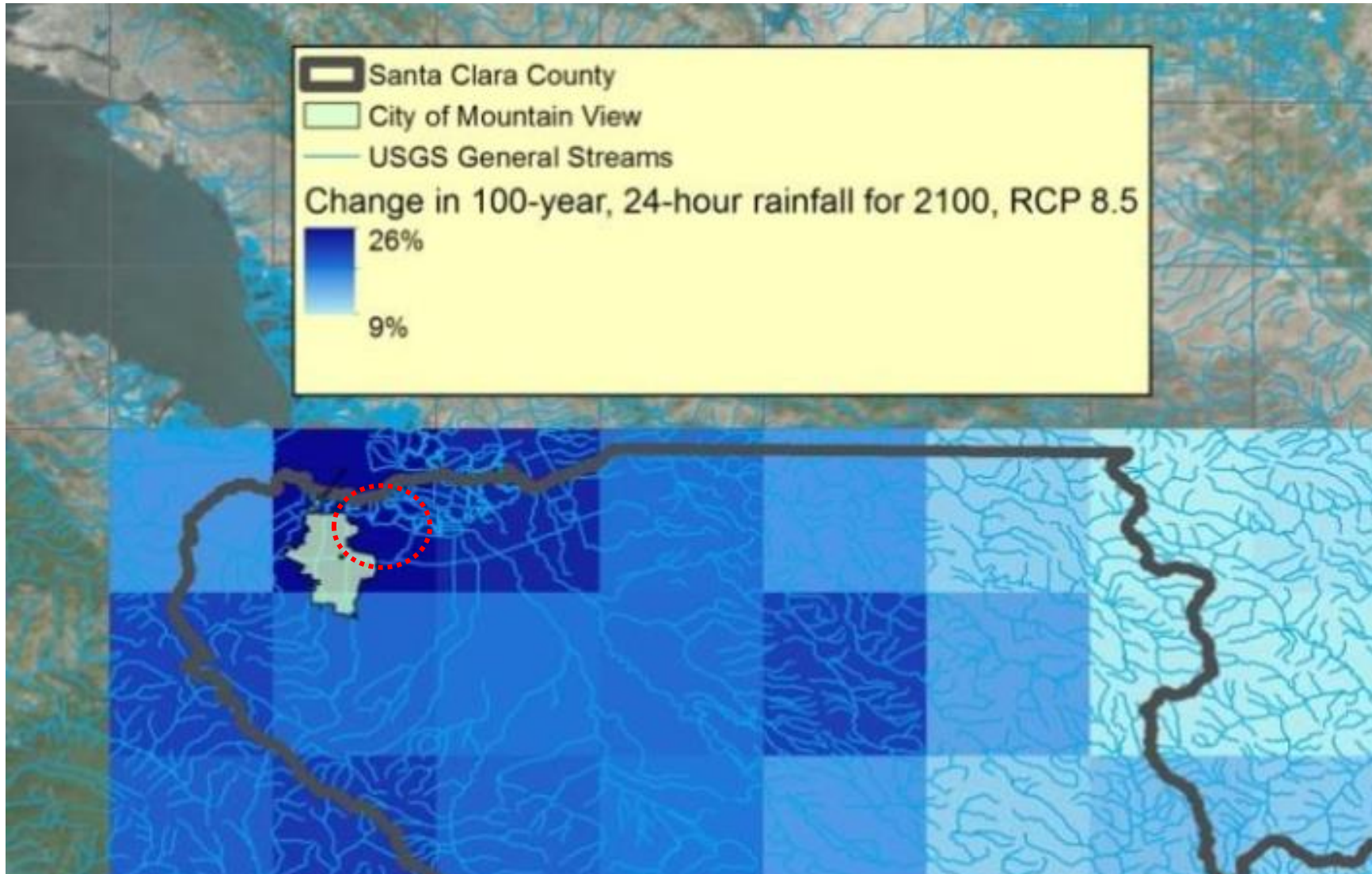
Flooding from Sunnyvale East Channel at Caribbean Drive and Crossman Avenue - Feb. 3, 1998

Stormwater System to Remove Precipitation



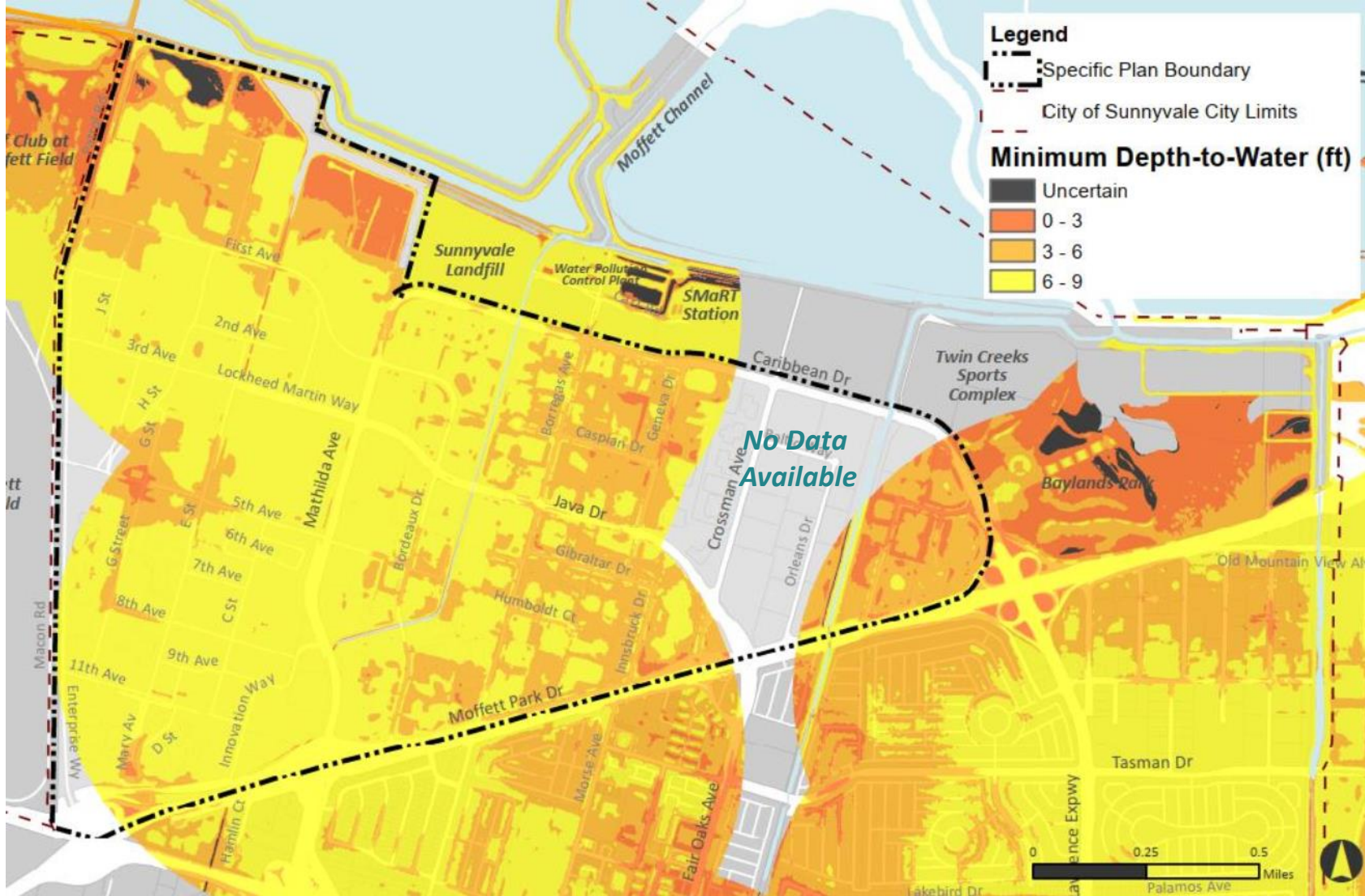
- Legend**
- Manholes
 - Pipe Diameter (inches)**
 - 0.00 - 30.00
 - 30.01 - 60.00
 - 60.01 - 90.00
 - Creeks
 - City Parcels
 - City Boundary
 - Drainage Basins
 - Pump station

Projected Change in 100-Year 24-Hour Rainfall for Santa Clara County



SOURCE: Schaaf & Wheeler and ESA (2017)

Minimum Depth to Ground Water

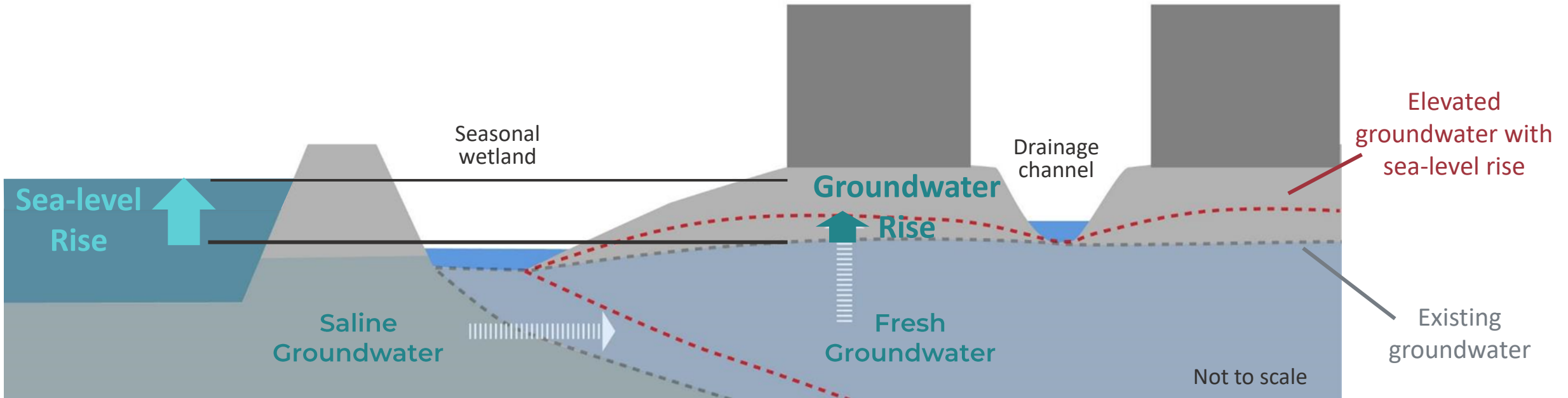


Source: Plane et al 2019

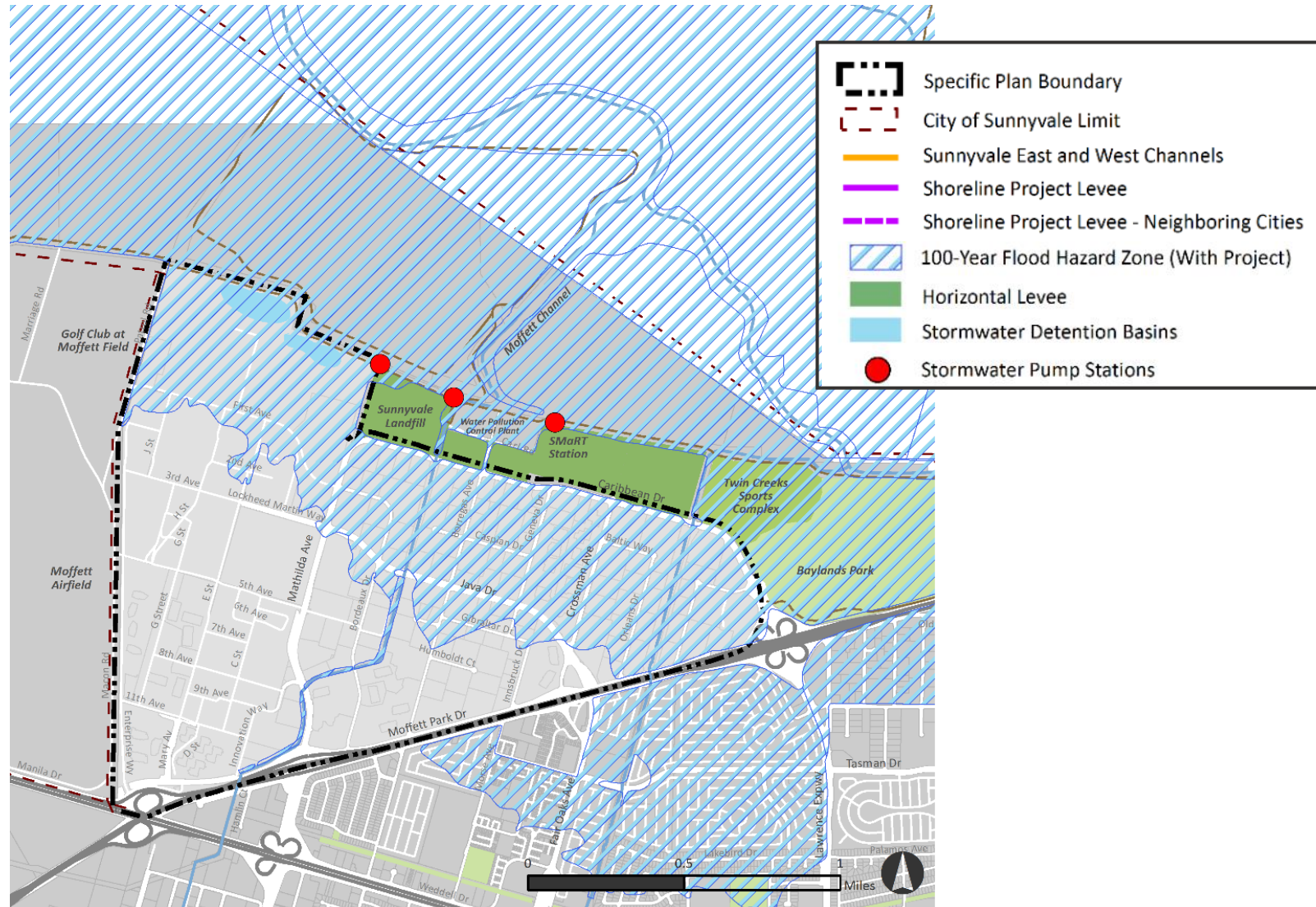
Groundwater Changes with Sea-level Rise

San Francisco Bay

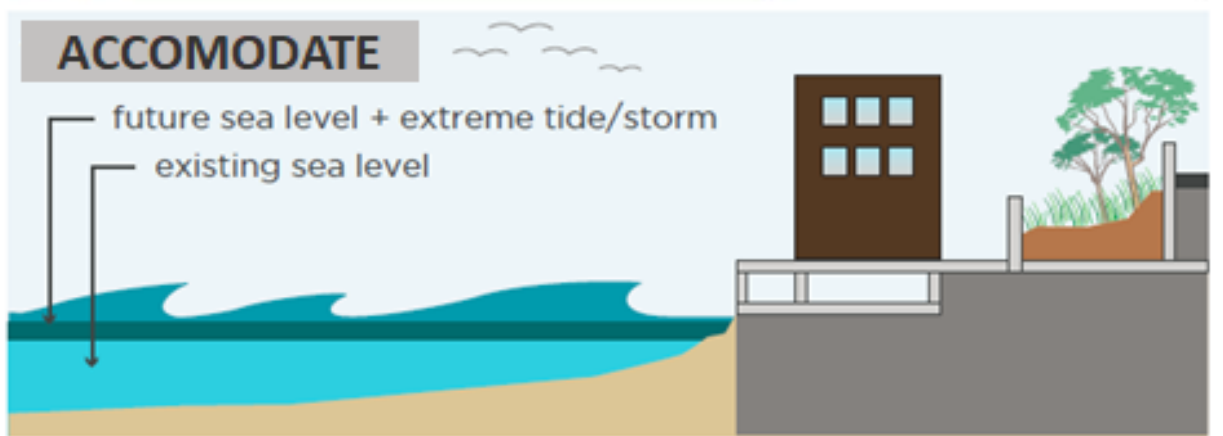
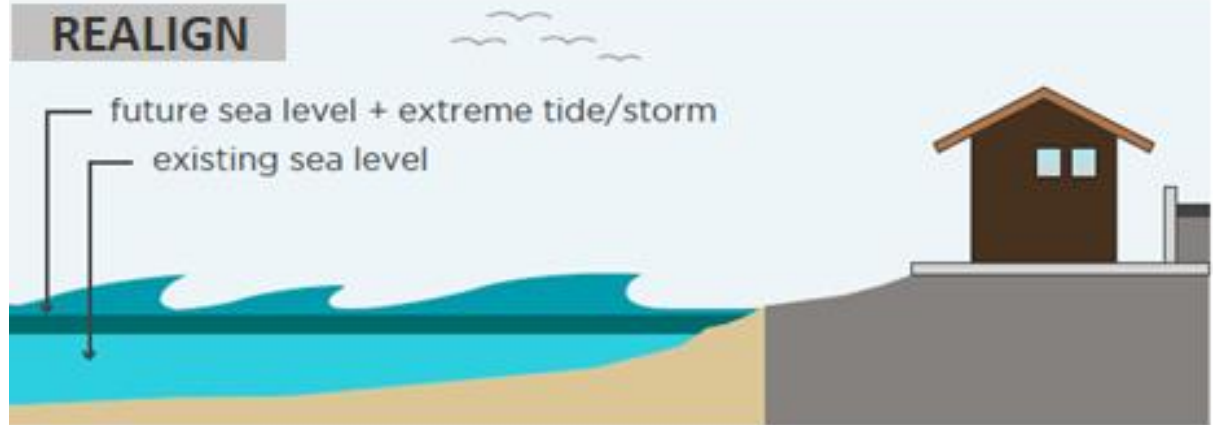
Moffett Park



Moffett Park Existing Flood Hazard

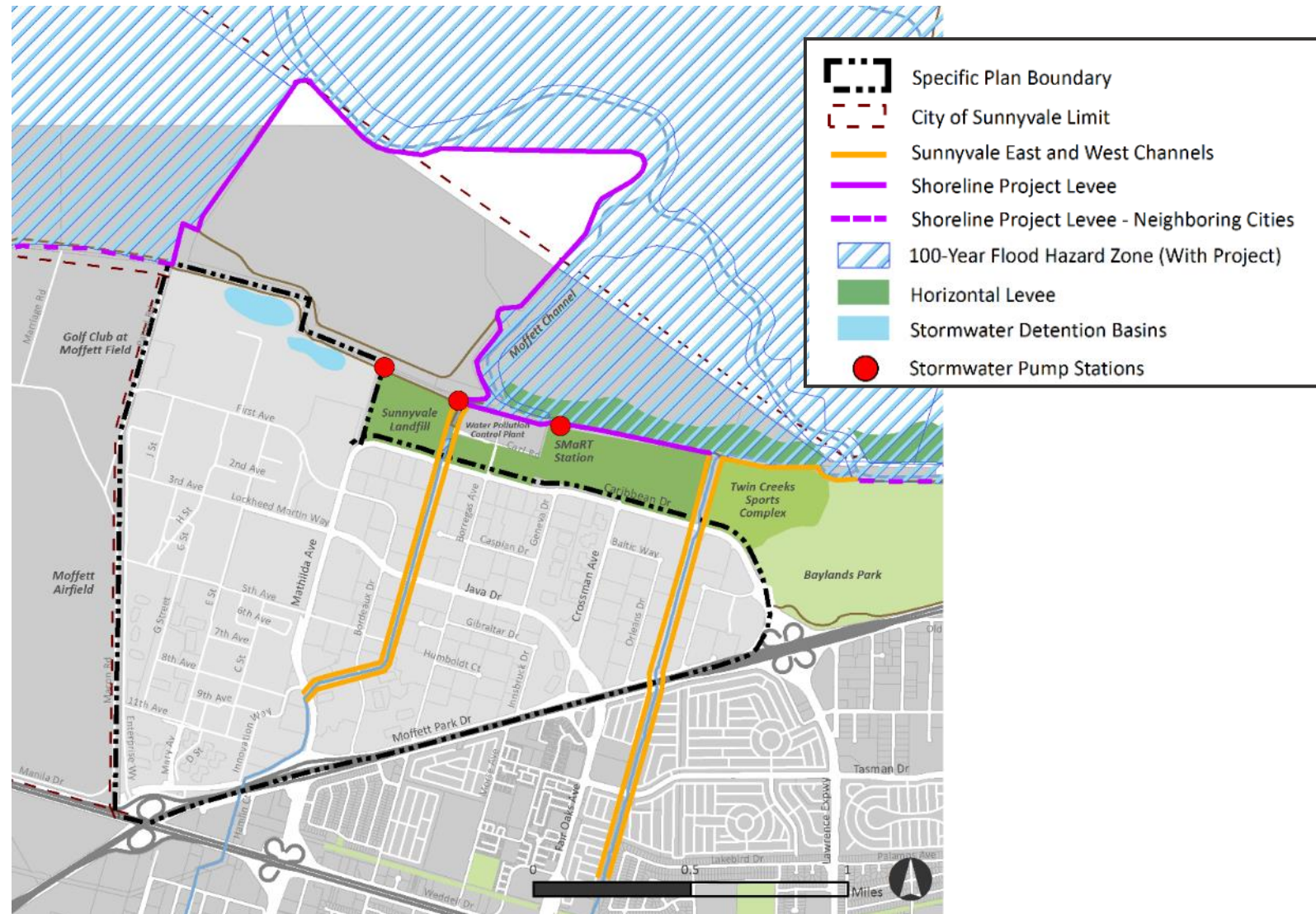


Adaptation Approaches



Flood Management Strategy to Adapt to SLR

- Shoreline Project Phase III
 - Realign
 - Protect
- East & West Channels
 - Protect
 - Realign

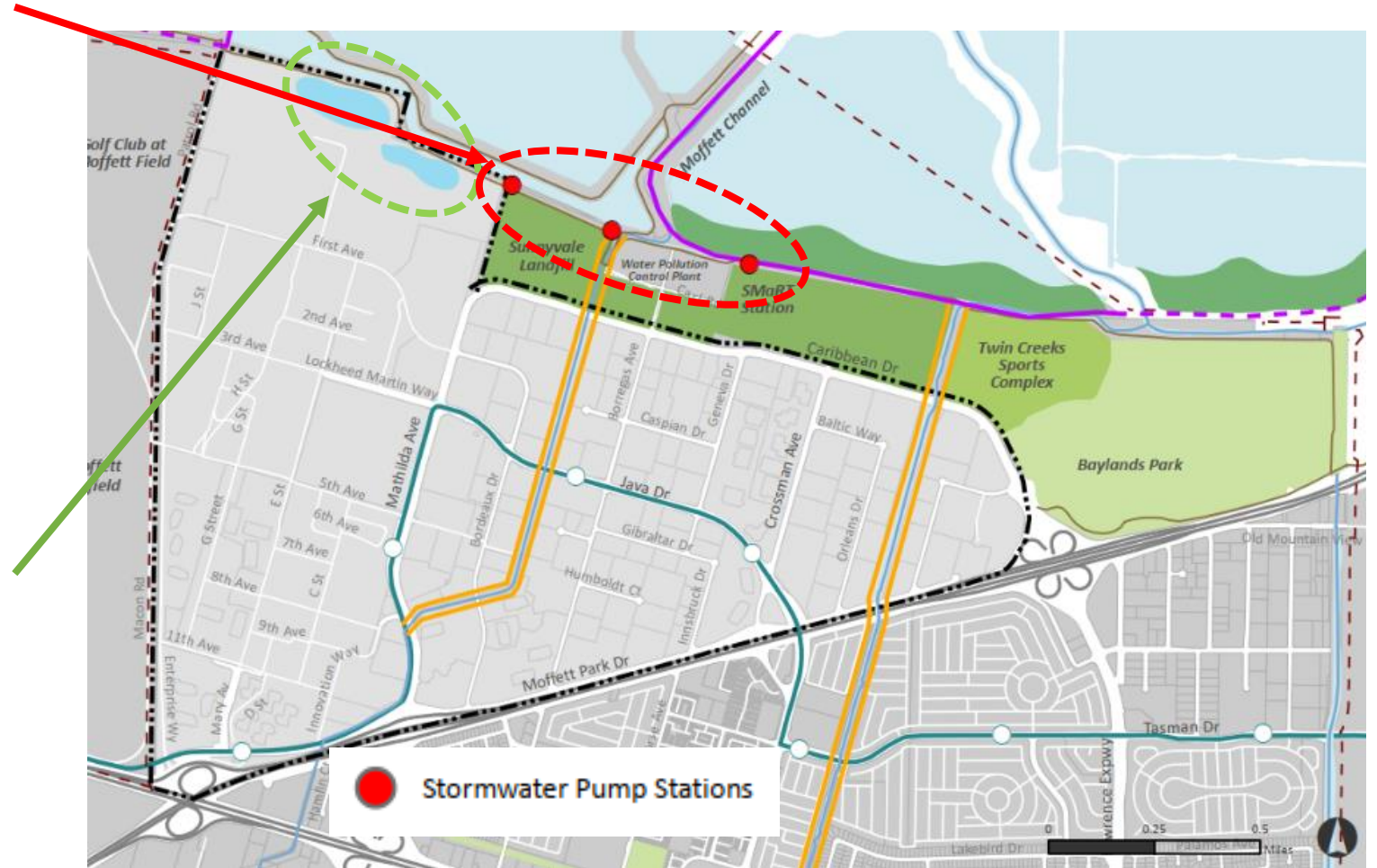


West Channel Enhancement Option



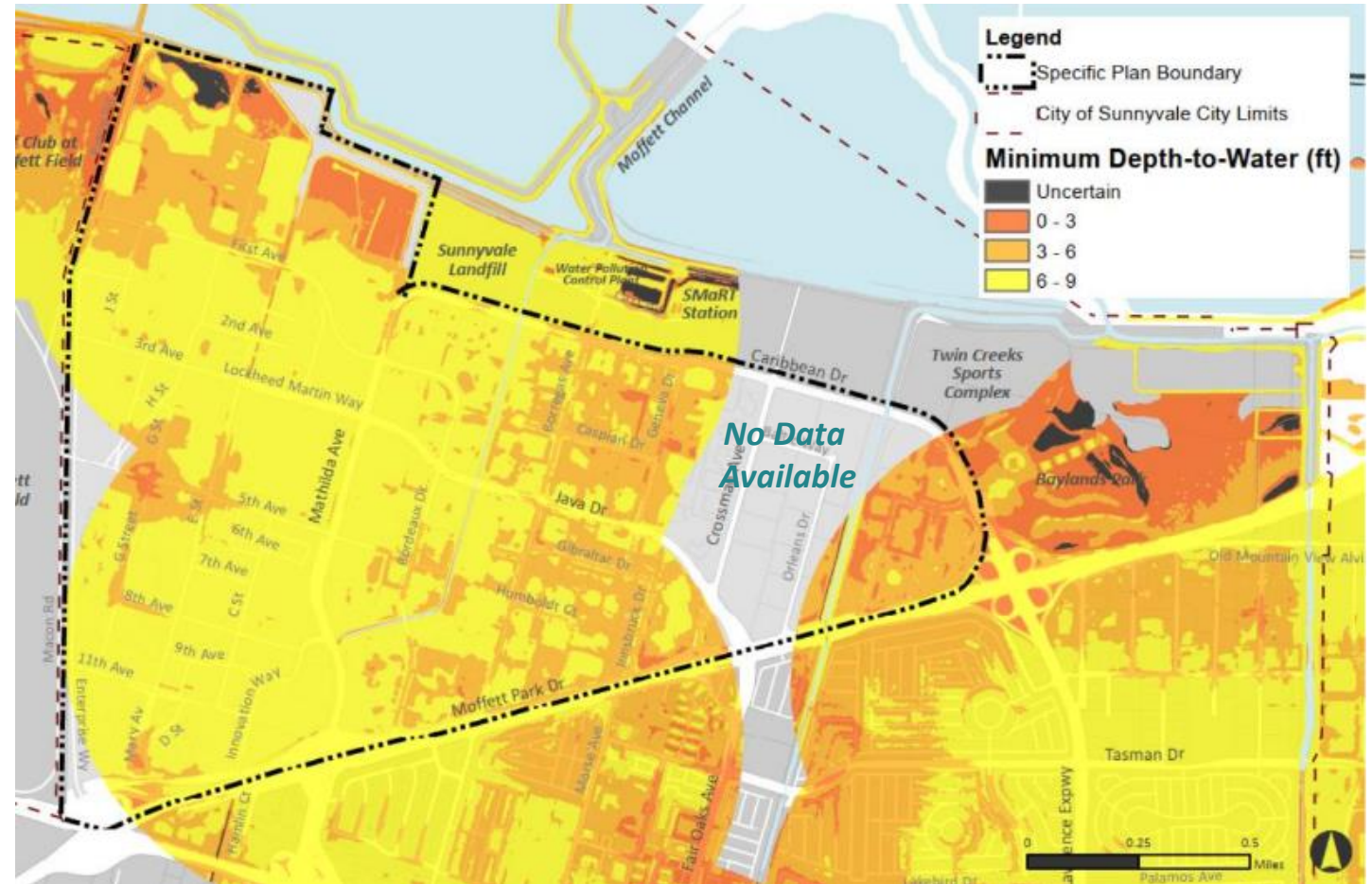
Flood Management Strategy to Adapt to SLR

- Stormwater Hazard Accommodation
- Stormwater Detention Basins
 - Preserve stormwater storage capacity
 - Enhance wetlands habitat



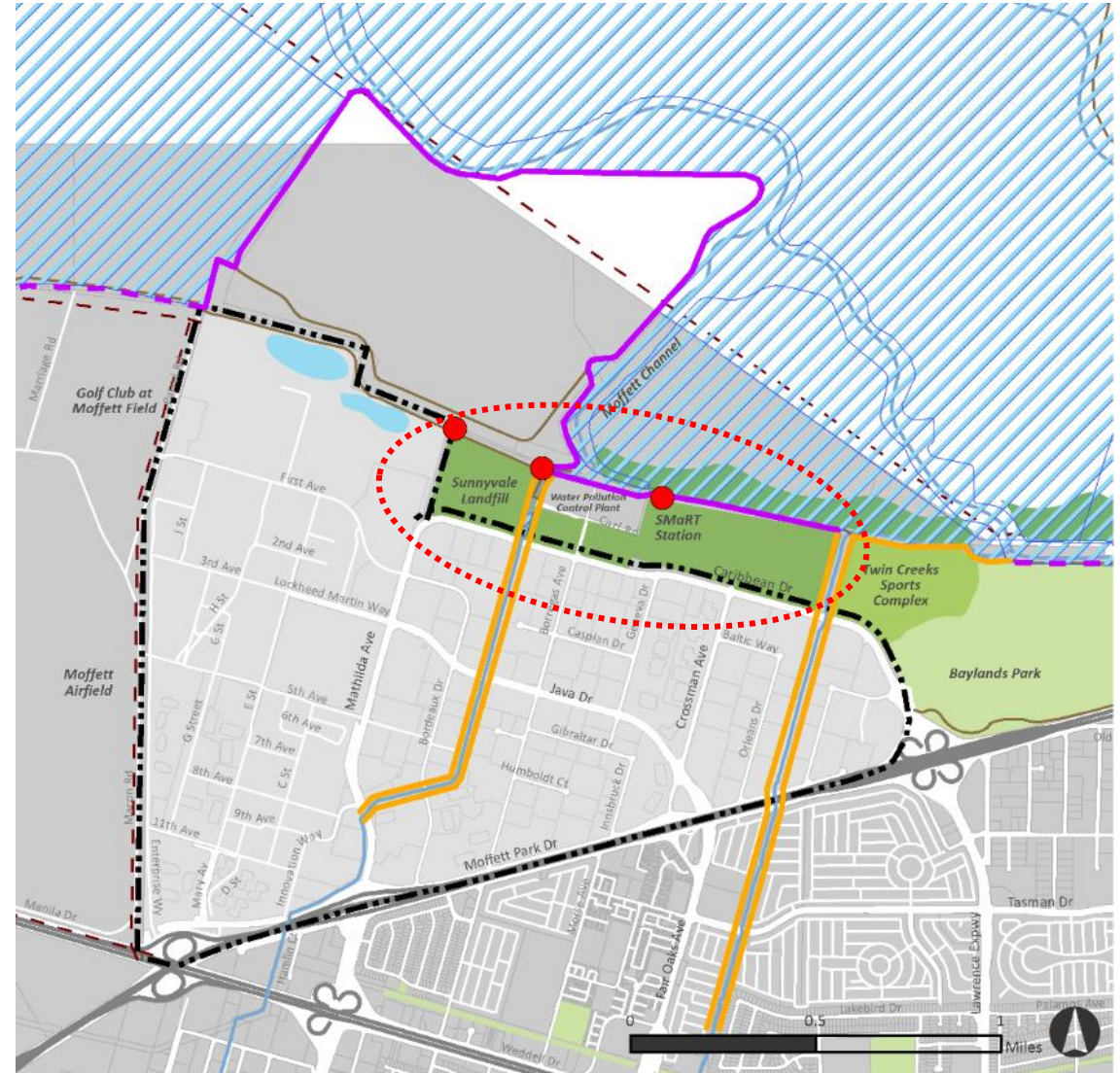
Flood Management Strategy to Adapt to SLR

- Groundwater Accommodation
 - Local monitoring and assessment
 - Plan and manage



Flood Management Strategy to Adapt to SLR

- Water Pollution Control Plant
 - **Protect** with surrounding floodwall to address existing flood hazard
 - **Protect** with Shoreline Project Phase III for future hazard with SLR
- Landfill (closed)
 - **Protect** with Shoreline Project Levee



Summary of Proposed Adaptations

Measure Name	Actions
South San Francisco Bay Shoreline Project Phase III Feasibility Study	<ul style="list-style-type: none"> • Protect: Improve coastal levees, habitat transition zone • Accommodate: Restore marsh
South Bay Salt Ponds Restoration Project	<ul style="list-style-type: none"> • Realign: Breach outboard levees • Accommodate: Restore marsh
Sunnyvale East & West Channels Flood Protection Project	<ul style="list-style-type: none"> • Protect: Raise levees and floodwalls • Accommodate: Channel setbacks
Finished Floor Elevation	<ul style="list-style-type: none"> • Accommodate: Raise finished floor elevation above FEMA minimum
Stormwater Vulnerability Assessment	<ul style="list-style-type: none"> • Accommodate: <ul style="list-style-type: none"> • Collect and discharge stormwater with pump • Enhance northwest detention wetlands
Groundwater Data Collection & Vulnerability Assessment	<ul style="list-style-type: none"> • Accommodate: Characterize the timing and groundwater change
Water Pollution Control Plant Master Plan	<ul style="list-style-type: none"> • Protect: Site ring levee • Realign: Reduce reliance on oxidation pond



An aerial photograph of a city valley, likely Moffett Park, showing a mix of residential and commercial buildings, roads, and green spaces. In the background, there are rolling hills and mountains under a clear sky. A large, semi-transparent teal rectangular box is centered over the middle of the image, containing white text.

3. Flood Control & Restoration Projects (Valley Water)



Future Shoreline Phase III Feasibility Study in Sunnyvale

Moffett Park Specific Plan Public Workshop: Sea Level Rise & Climate Change - Monday, November 30, 2020



Our Mission:
Provide Silicon Valley
safe, clean water for a
healthy life, environment,
and economy.

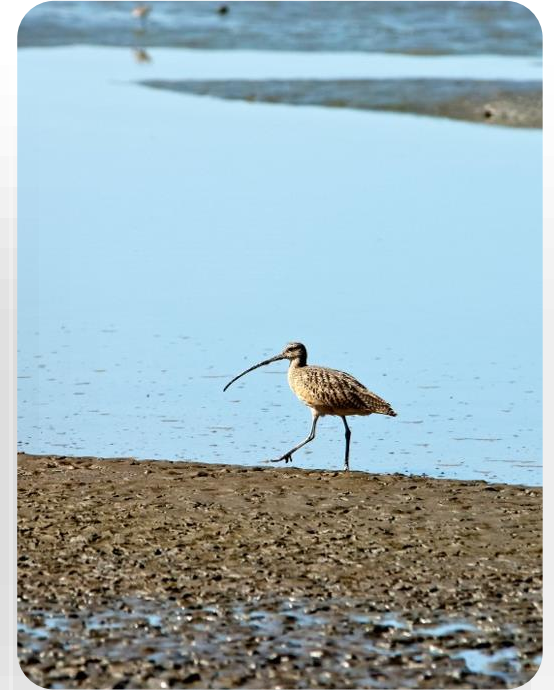
**Three Key
Goals:**



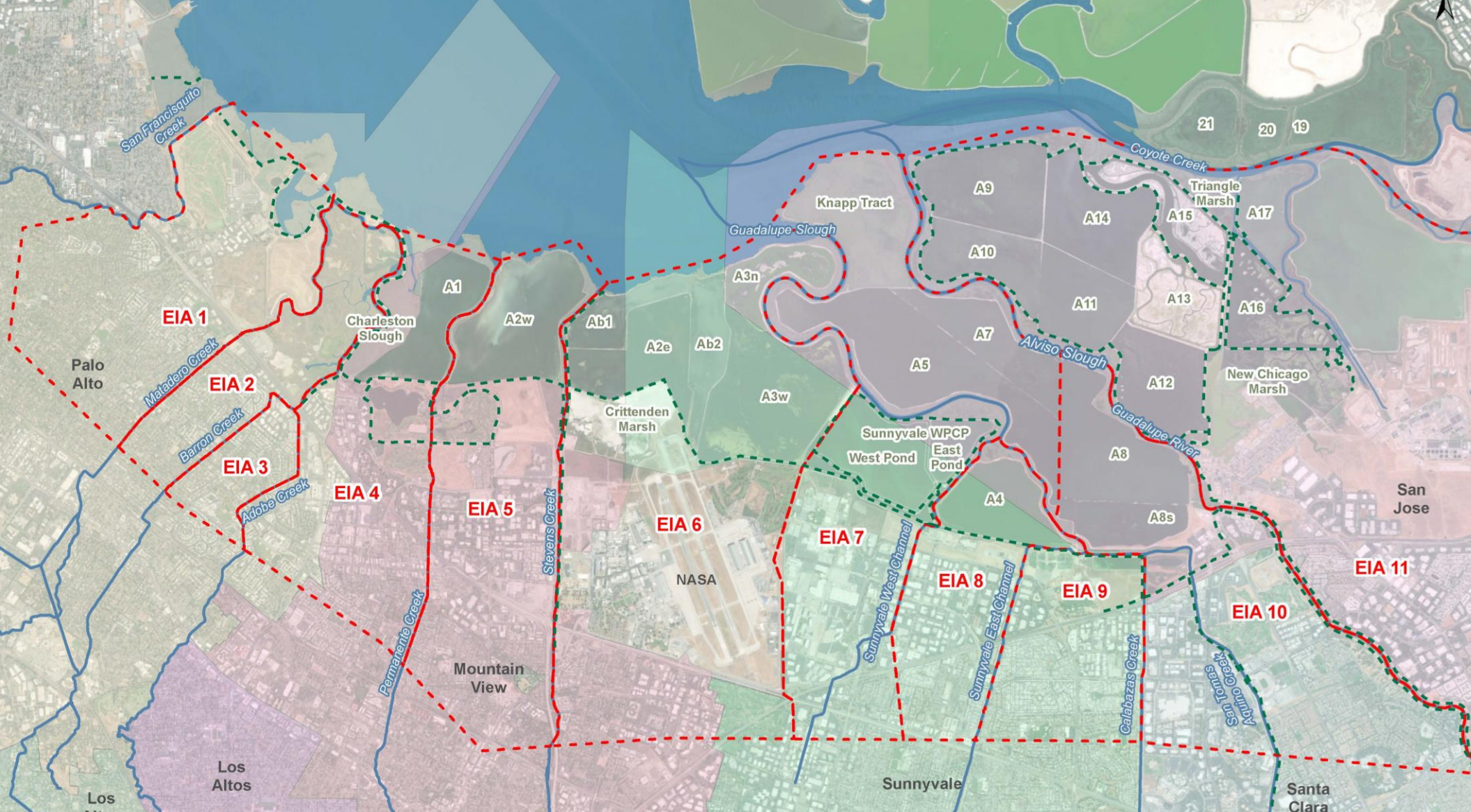
**Clean, Reliable
Water Supply**



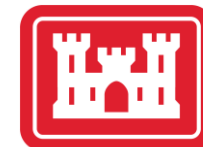
**Flood
Protection**



**Environmental
Stewardship**



Study Partners



US Army Corps of Engineers®



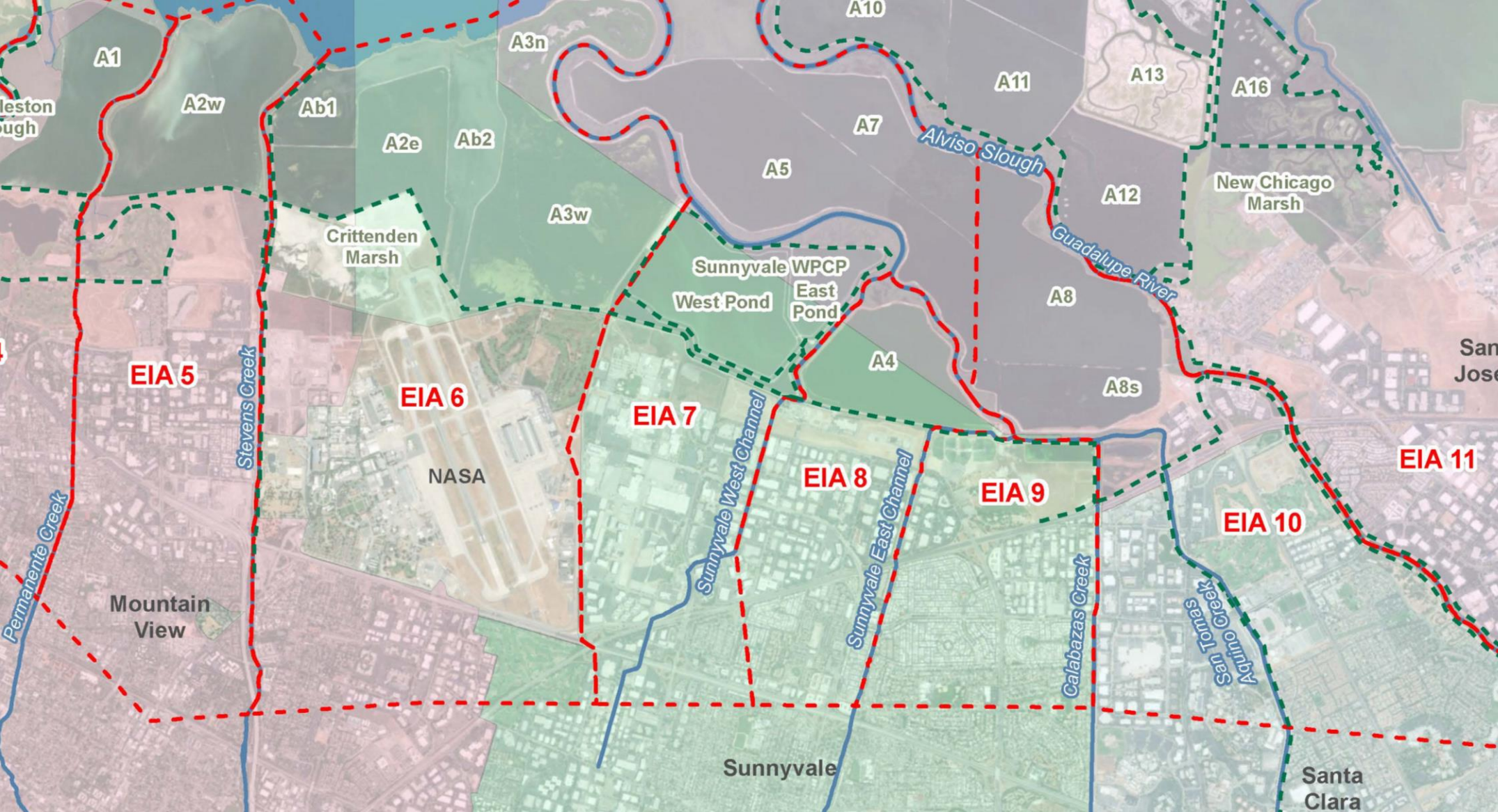
Valley Water



Coastal Conservancy

Background: South San Francisco Bay Shoreline Study





Study Partners



US Army Corps of Engineers®



Valley Water



Coastal Conservancy

+ Local Stakeholders

Future Shoreline Phase II Feasibility Study Area (EIAs 5-10)



From Mountain View Slough/Permanente Creek in Mountain View to Guadalupe River in San José

FUTURE PHASE III STUDY

Objectives

Per USACE policy, alternatives will be designed to meet the study objectives over a 50-year period of analysis, starting with the year that the proposed alternative is expected to be operational.



Reduce coastal flood risks to Santa Clara County's low-lying shoreline area.



Provide adaptability to rising seas over a 50-year period.



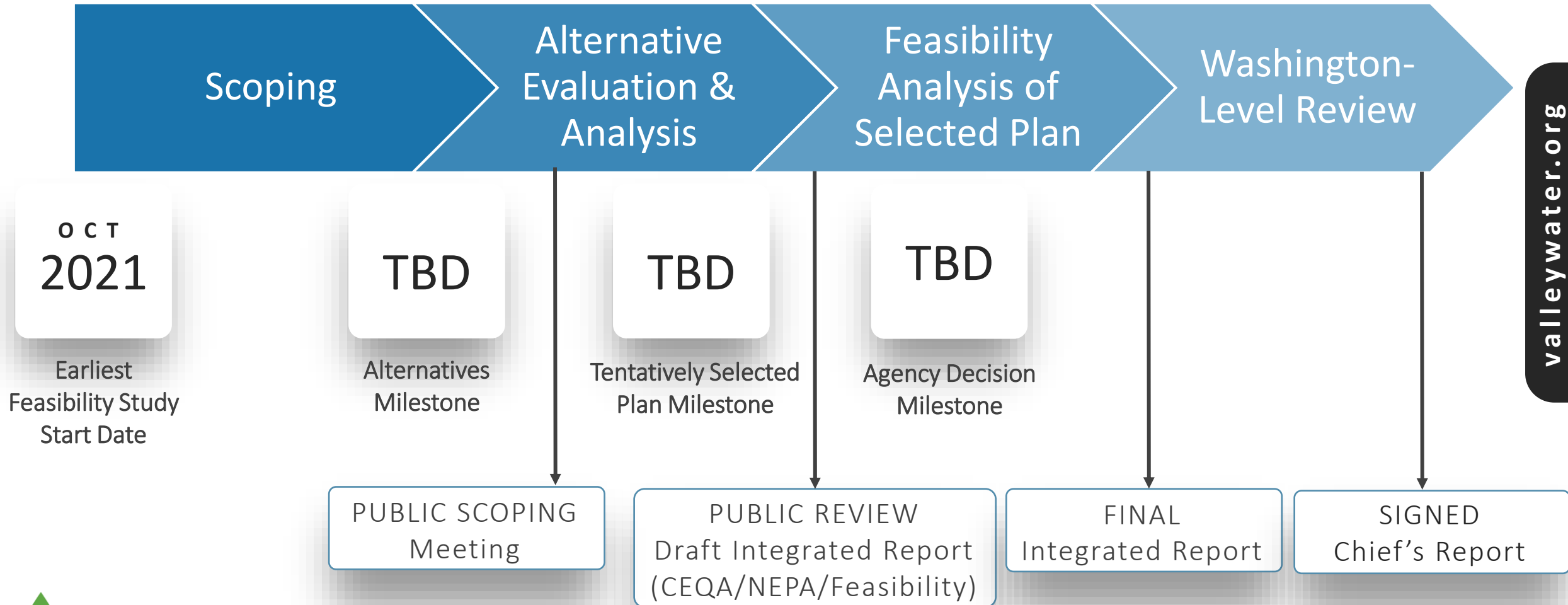
Restore historic tidal marsh habitat that once existed along the bay's edge.



Provide recreational trails and public access opportunities to the bay.

USACE Feasibility Study Process

ROAD MAP OF KEY DECISION AND PRODUCT MILESTONES



Environmental Review & Permitting

- NEPA/CEQA compliance and environmental permits will be required.
- Resource Agencies:



For more information:

Roxanne Grillo, P.E., Project Manager
RGrillo@valleywater.org

Tony Mercado, Neighborhood Liaison
TMercado@valleywater.org





Valley Water

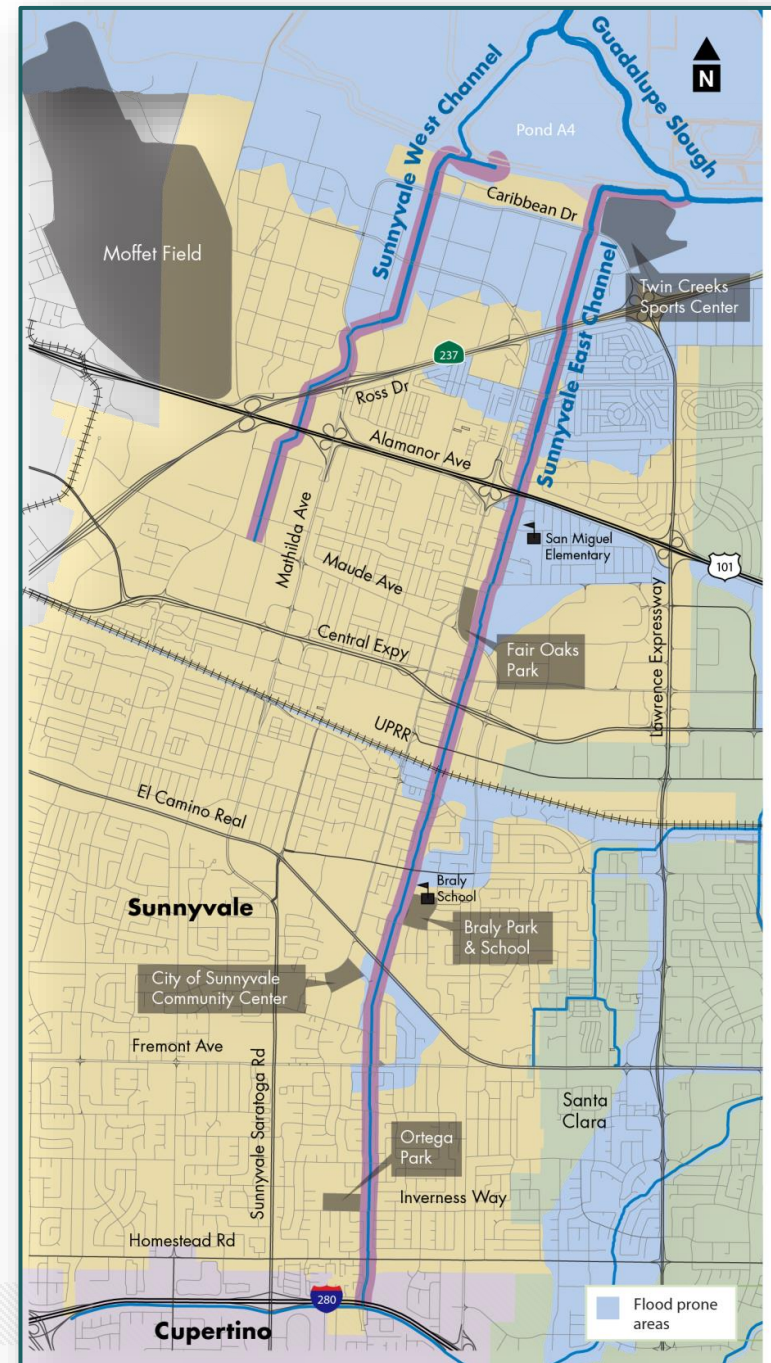
Clean Water • Healthy Environment • Flood Protection

Sunnyvale East and West Channels Flood Protection Project

Project Location

Sunnyvale West Channel and Sunnyvale East Channel:

- The Sunnyvale channels flow northward through the City of Sunnyvale
- The channels are partially influenced by bay tides via the Guadalupe Slough
- Sunnyvale West channel is about 3 miles long
- Sunnyvale East channel is about 6.5 miles long



Project Location: Sunnyvale West Channel

**Looking south (upstream)
from Caribbean Drive**



**Looking west (upstream)
to Mathilda Ave**

Project Location: Sunnyvale East Channel



Project History

- Sunnyvale East and West are engineered artificial storm drain channels constructed between 1959 and 1976
- Built to address flooding exacerbated by urban development and land subsidence
- Channels designed to convey an approximate 10-year storm flow event



Project History: Flooding

Sunnyvale East and West Channels have experienced flooding in 1963, 1968, 1983, 1986, and 1998



Project History: Erosion



**Sunnyvale East Channel:
Between Kifer Road and Union Pacific Railroad tracks**



**Sunnyvale East Channel: Looking north
(downstream) from Blythe Avenue**

Project Objectives

- Provide flood protection for a 100-year storm event
- Provide infrastructure modifications to FEMA/SCVWD freeboard
- Provide a basis to update FEMA flood hazard maps and alleviate flood insurance requirements
- Improve water quality by repairing existing erosion sites
- Provide recommendations for recreational opportunities

Project Description

- Bridge/Culvert Modifications
 - Carl Rd. (SW), W. Java Dr.(SW), and E. Caribbean Dr. (SE)
- Floodwalls with Levee Raising
- Maintenance Road Modifications
- Rock Slope Protection (RSP) at numerous erosion sites
- Sediment Removal
- Property Acquisitions (Permanent - Completed)

Project Description: Bridge & Culvert modifications

- East Channel: Caribbean Drive Bridges
 - Replace existing bridges with triple cell box culvert
- West Channel: Carl Road Culvert
 - Replace existing culvert with larger single cell box culvert

- Headwall Raising at several locations



Caribbean Drive Bridges at Sunnyvale East



Carl Road Box Culvert at Sunnyvale West



Project Coordination with City and Google

- Recreation Opportunities
 - City and Valley Water have executed a Cost Sharing Agreement and a Joint Use Agreement for public trails to be constructed by Valley Water along portions of the West and East Channels
- City's Wastewater Pollution Control Plant (WPCP) Shared Wall:
 - City and Valley Water are working together to design/cost share on a WPCP perimeter security wall that will also serve as a floodwall, thus eliminating a portion of the proposed floodwalls adjacent to WPCP
- On-site Mitigation
 - Valley Water and Google are partnering to enhance a portion of the West Channel u/s of Caribbean resulting in on-site mitigation for Valley Water

Next Steps

- The Project was approved and the Final EIR certified by the District's Board of Directors on September 9, 2014;
- Valley Water is acquiring permits for temporary construction access in several staging areas;
- Permit applications were submitted in June 2017 (Resource Agencies requested on-site mitigation);
- Valley Water and Google execute an Agreement with Google on their West Channel enhancement project where Valley Water may utilize Google's excess on-site mitigation for the Valley Water Project;
- Continue coordination with Resource Agencies to receive Permits in 2021;
- Advertise Project for construction once all the permits are issued

Contact Information

Sunnyvale East/West Channels Flood Protection Project

Contact for project:

Stephen M. Ferranti, P.E.
Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118
(408) 630-2677
sferranti@valleywater.org

For more information, contact:

Stephen M. Ferranti at (408) 630-2677 or visit our website at www.valleywater.org and use our [Access Valley Water](#) customer request and information system. With three easy steps, you can use this service to find out the latest information on the project or to submit questions, complaints or compliments directly to a water district staff person.

[Access Valley Water](#) lets you reach us directly from your computer.

Refer to the Access Valley Water handout. Select "*Projects planned for my neighborhood*" [after clicking here](#)

The screenshot shows the Santa Clara Valley Water District website. The header features the logo and the slogan "PROTECTING YOUR FUTURE." Below the header is a navigation menu with "Home", "Services", "Newsroom", "Careers", and "About". A search bar is located on the right side of the navigation menu. A red arrow points to the search bar. Below the navigation menu, there is a "Board of Directors" dropdown menu, a "Programs" dropdown menu, and a "Quick Links" dropdown menu. A "click here" link is visible in the main content area. On the right side, there is a "GO" button next to the search bar, and a "GO" button next to the "Access Valley Water" section. The "Access Valley Water" section includes a "Send us your requests, questions or comments." link. Below this, there are "News Releases" and a "Video Gallery" section.

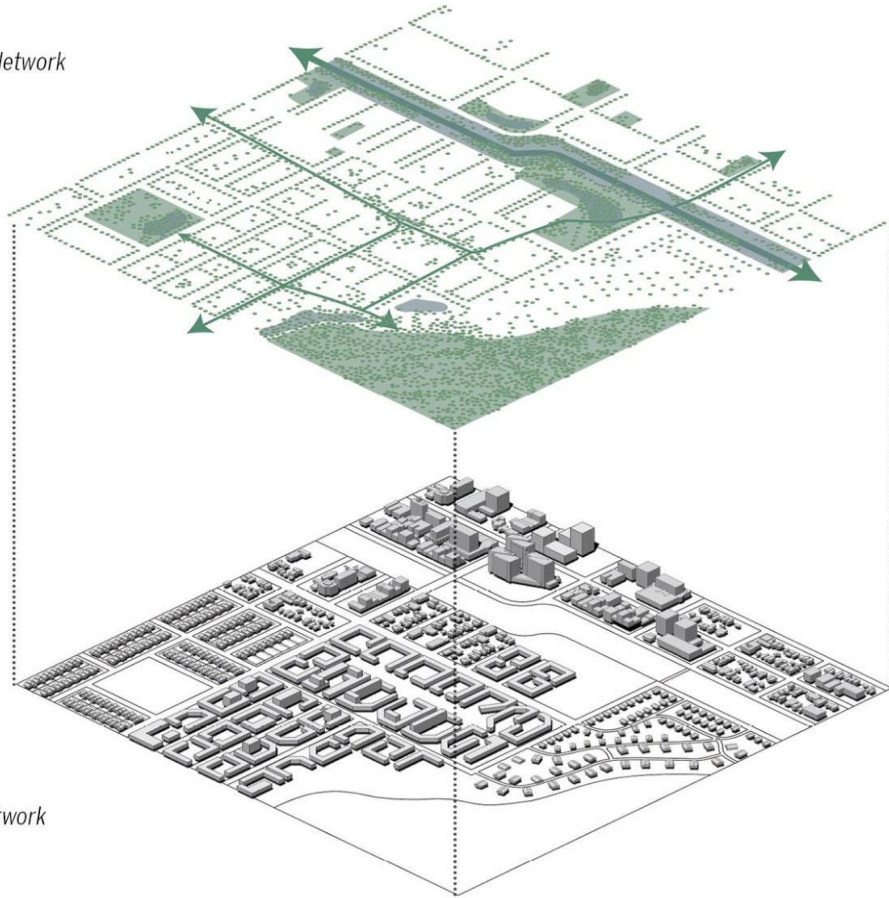
An aerial photograph of a city area, likely Moffett Park, with a teal semi-transparent overlay in the center. The overlay contains the title text. In the background, there are mountains and a large body of water.

4. Multi-benefit Strategies for Moffett Park

(SFEI)

Multi-benefit Strategies for Moffett Park

Nature Network



Built Network

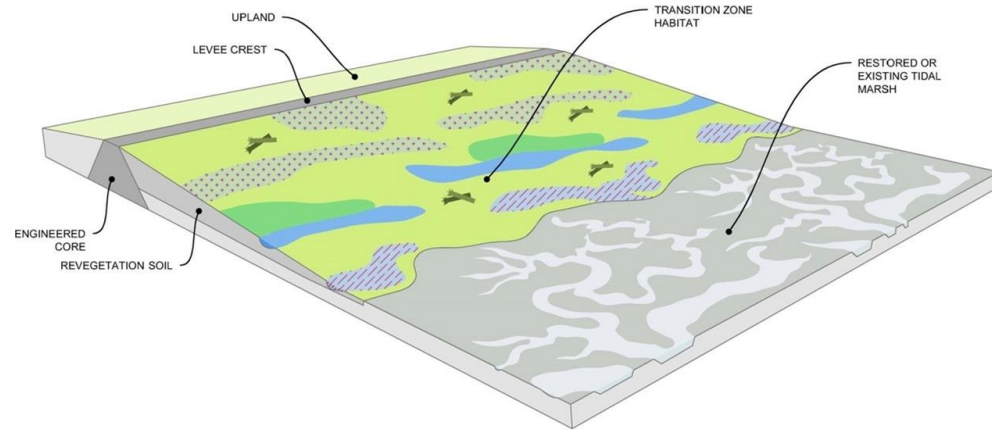
Investments in urban greening can help:

- Support biodiversity
- Improve human experience and well-being
- Sequester and store carbon
- Reduce stormwater runoff
- Mitigate urban heat islands
- Filter air pollutants
- And more

What could the shoreline levee look like?



Existing Alviso Levee
By Nick Simeone



Transitional Habitat by HT Harvey



Horizontal Levee
by Melissa Amato

Reduce flood risk and enhancing ecology along channels

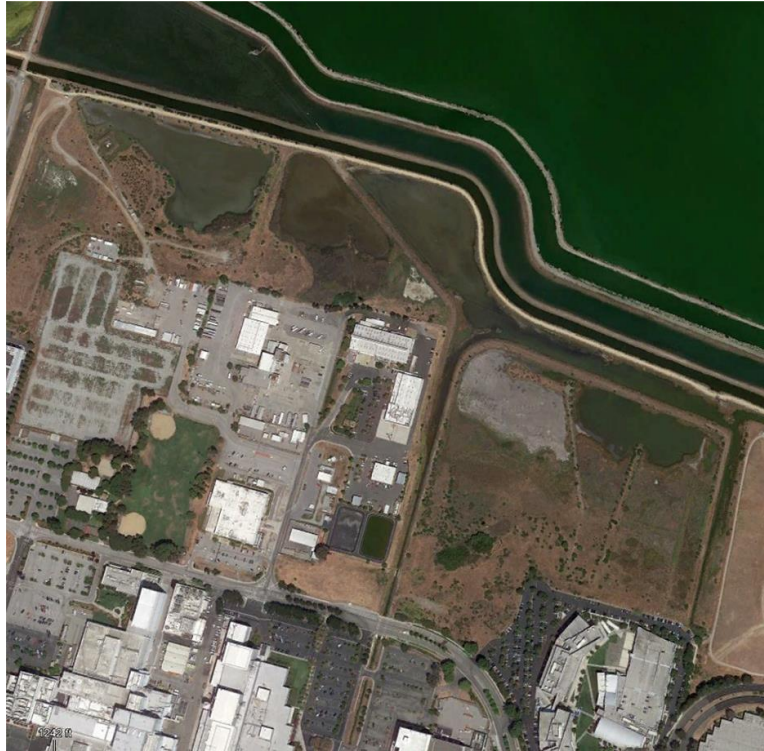


Channels within Specific Plan Area



West Channel Enhancement Project

Coupling stormwater management with habitat restoration



Stormwater Detention Wetland

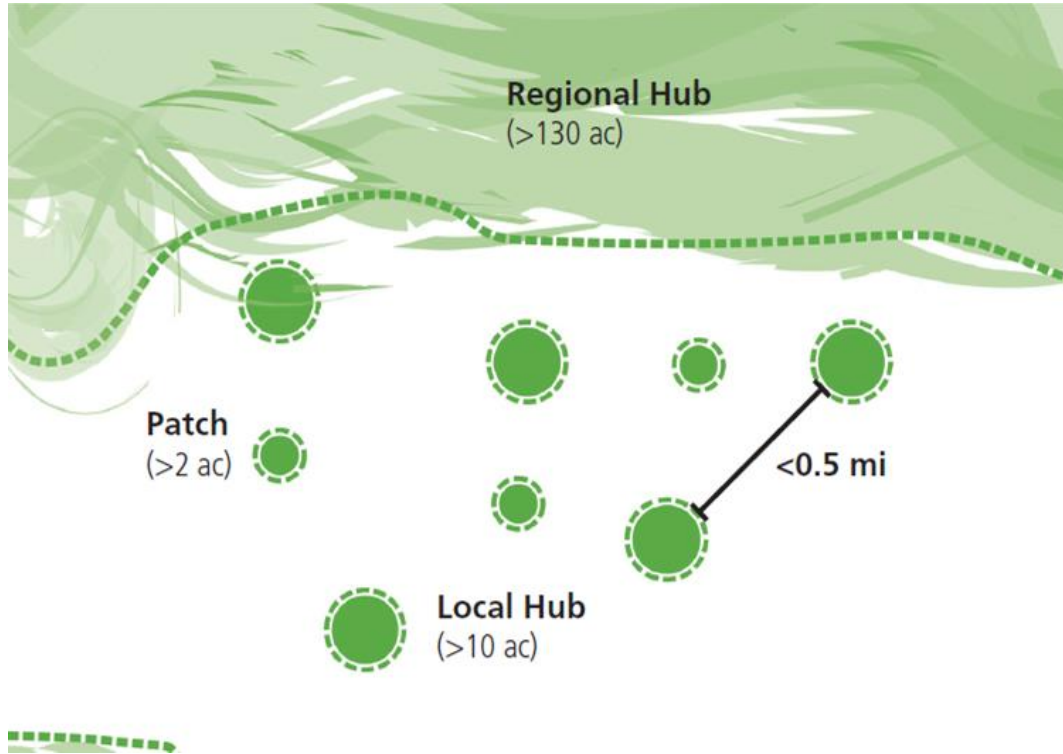


London Wetlands Centre

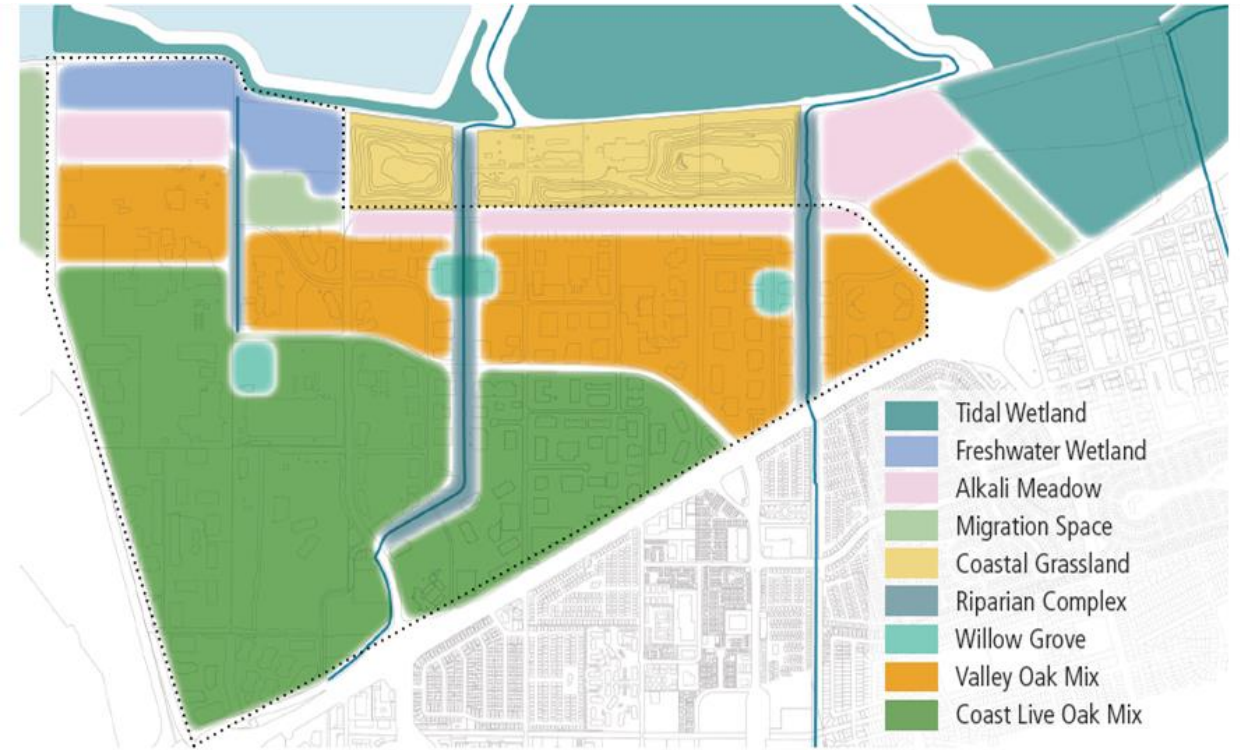


Bioretention Feature

Create and upgrade habitat patches



Distributed network of high-quality habitat



Native habitat zones

Increase overall canopy cover

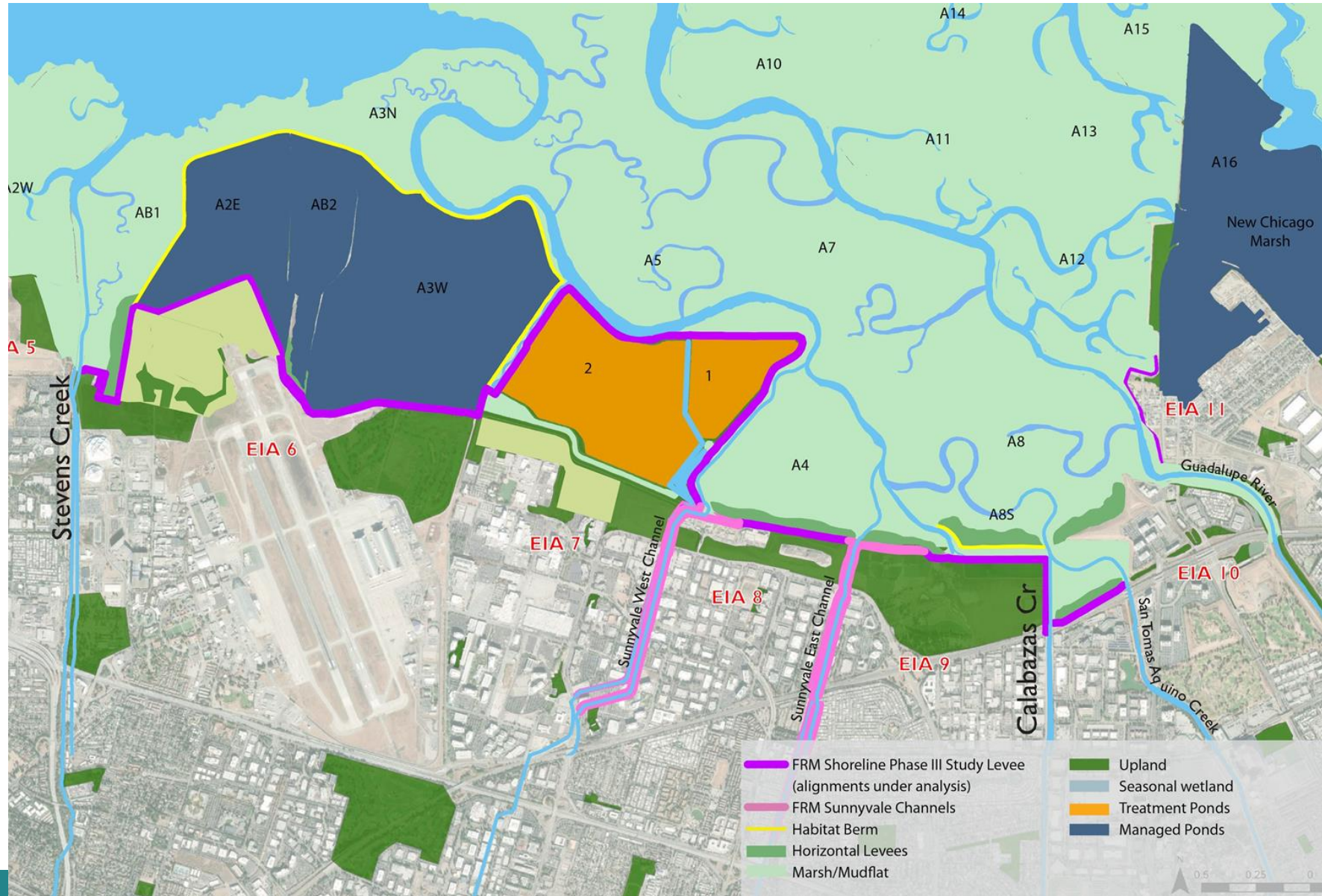


Cool active mobility corridors



Native street trees

Connecting Urban Ecology to the Baylands



menti.com



Please enter the code

72 92 03 6

Submit

The code is found on the screen in front of you

Which ecological enhancement would you prioritize for Moffett Park?



Today's Workshop

INTERACTIVE PUBLIC MEETING

- (4:00) Welcome/Roll Call
- (4:05) Facilitation protocol
- (4:10) Moffett Park Vision
- (4:25) Sea Level Rise Overview Presentation
- (4:45) Hazards Profile & Sea-level Rise Adaptation Strategy (13 mins)
- (4:58) Flood Control & Restoration Projects
- (5:10) Multi-benefit Strategies for Moffett Park
- (5:20) Round Table Discussion (30 min)**

CITY COUNCIL STUDY SESSION

- (5:50) Public Comment (1.5 min each)**
- (6:10) City Council Study Session**
- (7:00) Adjourn**

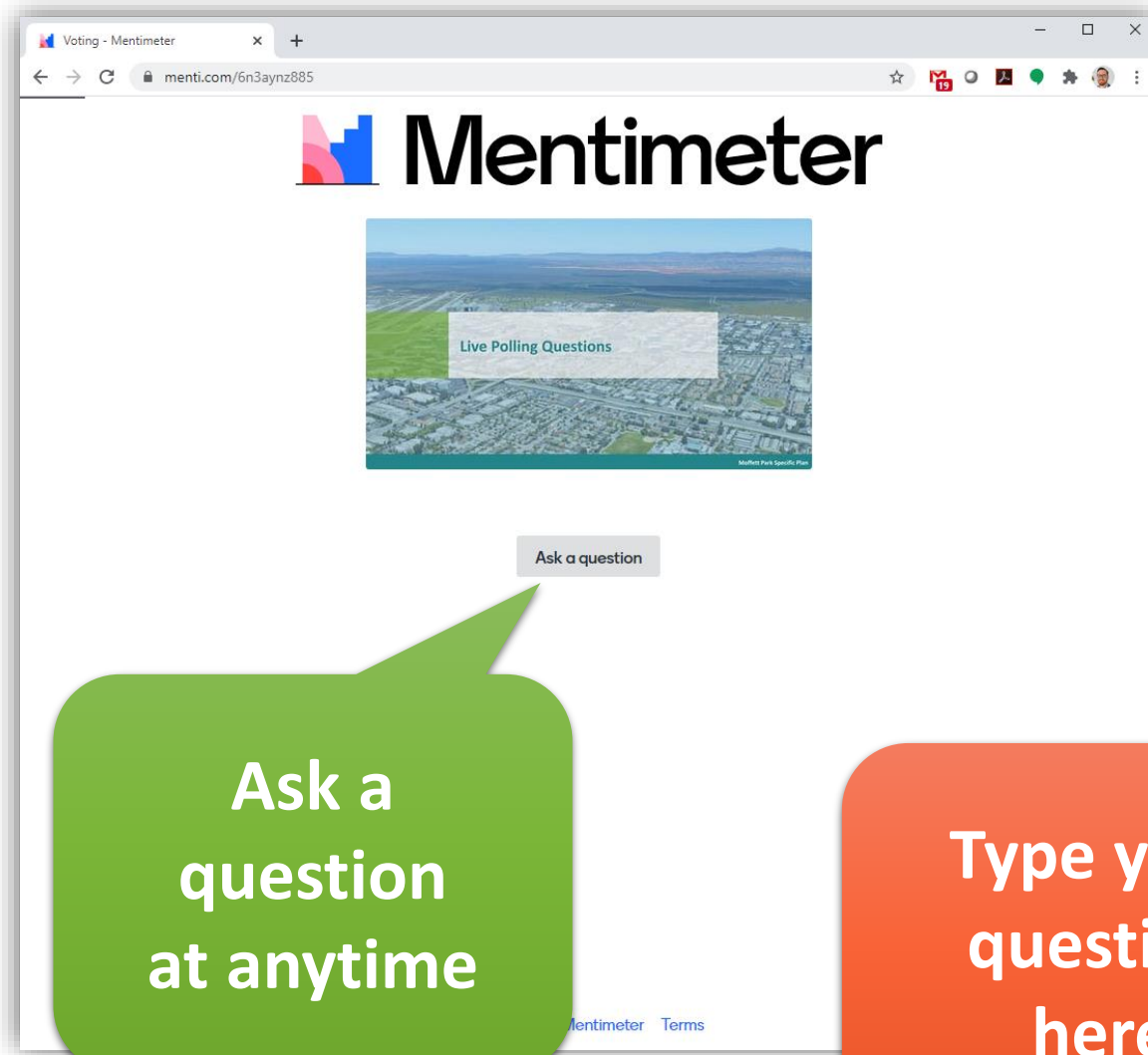
OPPORTUNITIES FOR COMMUNITY INPUT:

- 1. Live Polling**
- 2. Round Table Discussion**
 - Ask and rank questions on Menti.com
 - Moderator will choose questions
- 3. Public Comment**
 - 90 sec per speaker
- 4. Office Hours**
 - December 7th, Noon
- 5. Website/Email**

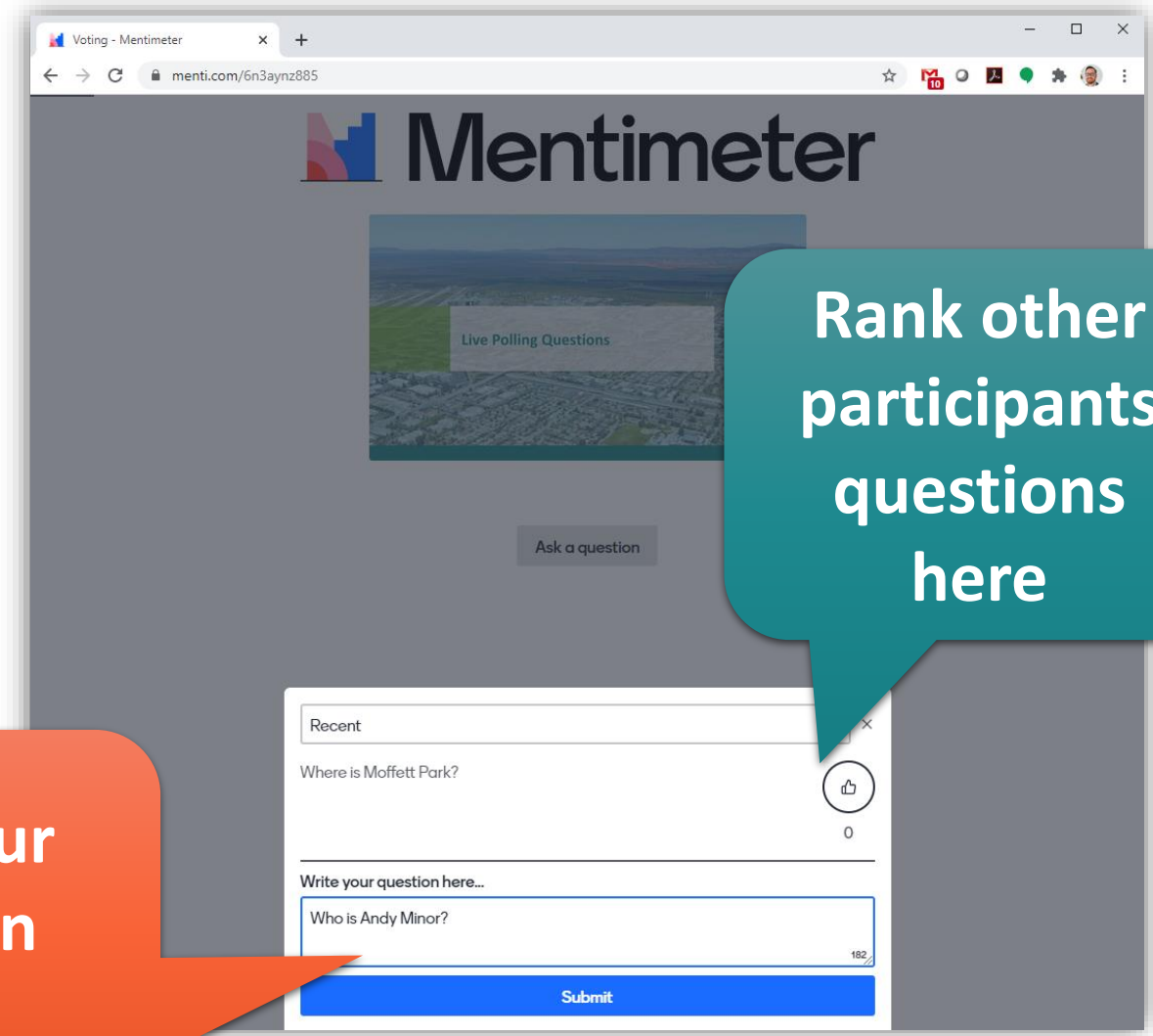
moffettparksp.com
moffettpark@sunnyvale.ca.gov



How to use menti.com: Code 72 92 03 6



Ask a question at anytime



Rank other participants questions here

Type your question here

Round Table Discussion Panel

City of Sunnyvale

- Andy Miner, Assistant Director of Community Development
- Michelle King, Principal Planner
- Ramana Chinnakotla, Director Of Environmental Services
- Melody Tovar, Regulatory Programs Division Manager

Raimi + Associates

- Eric Yurkovich, Associate Principal
- Chris Sensenig, Associate – Urban Designer

Environmental Science Associates (ESA)

- Matt Brennan, Senior Engineering Hydrologist

San Francisco Estuary Institute(SFEI)

- Jeremy Lowe, Senior Environmental Scientist
- Micaela Bazo, Associate Environmental Scientist

Valley Water

- Sunshine Ventura Julian, Capital Engineering Manager
(Future Shoreline Phase III Feasibility Study)
- Roxanne Grillo, Associate Civil Engineer
(Future Shoreline Phase III Feasibility Study)
- Stephen Ferranti, Capital Engineering Manager
(Sunnyvale East and West Channels Flood Protection Project)
- Denis Ruttenberg, Associate Civil Engineer
(Sunnyvale East and West Channels Flood Protection Project)
- Jason Gurdak, Senior Water Resources Specialist
(Groundwater Subject Matter Expert)
- Emily Zedler, Senior Engineer
(Hydrology/Hydraulics Subject Matter Expert)

menti.com



Please enter the code

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Submit

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moffettparksp.com
moffettpark@sunnyvale.ca.gov





Moffett Park
Specific Plan

Public Workshops

Virtual Workshops will be immediately followed by a City Council Study Session from 6p - 7p

Office Hours will allow the public to engage one-on-one with City staff and the consultant team

Virtual Meeting information & agendas available at MoffettParkSP.com



Sunnyvale

Sea Level Rise & Climate Change

With San Francisco Estuary Institute, Environmental Science Associates, & Santa Clara Valley Water

WORKSHOP

**Monday, November 30
4:00p - 7:00p**

Office Hours

**Monday, December 7
12:00p - 1:00p**

Transportation & Infrastructure

With Nelson\Nygaard, & BKF Engineers

WORKSHOP

**Monday, February 1
4:00p - 7:00p**

Office Hours

**Monday, February 8
12:00p - 1:00p**

Land Use, Housing, Open Space, & Market Conditions

With Strategic Economics, CMG Landscape Architecture, & Raimi + Associates

WORKSHOP

Date and Time to be determined

Office Hours

Date and Time to be determined