

An aerial photograph of a residential neighborhood. A winding creek flows through the center of the image, surrounded by green grass and trees. The houses are arranged in a grid pattern with narrow streets. The overall scene is a mix of urban development and natural landscape.

February 18, 2016

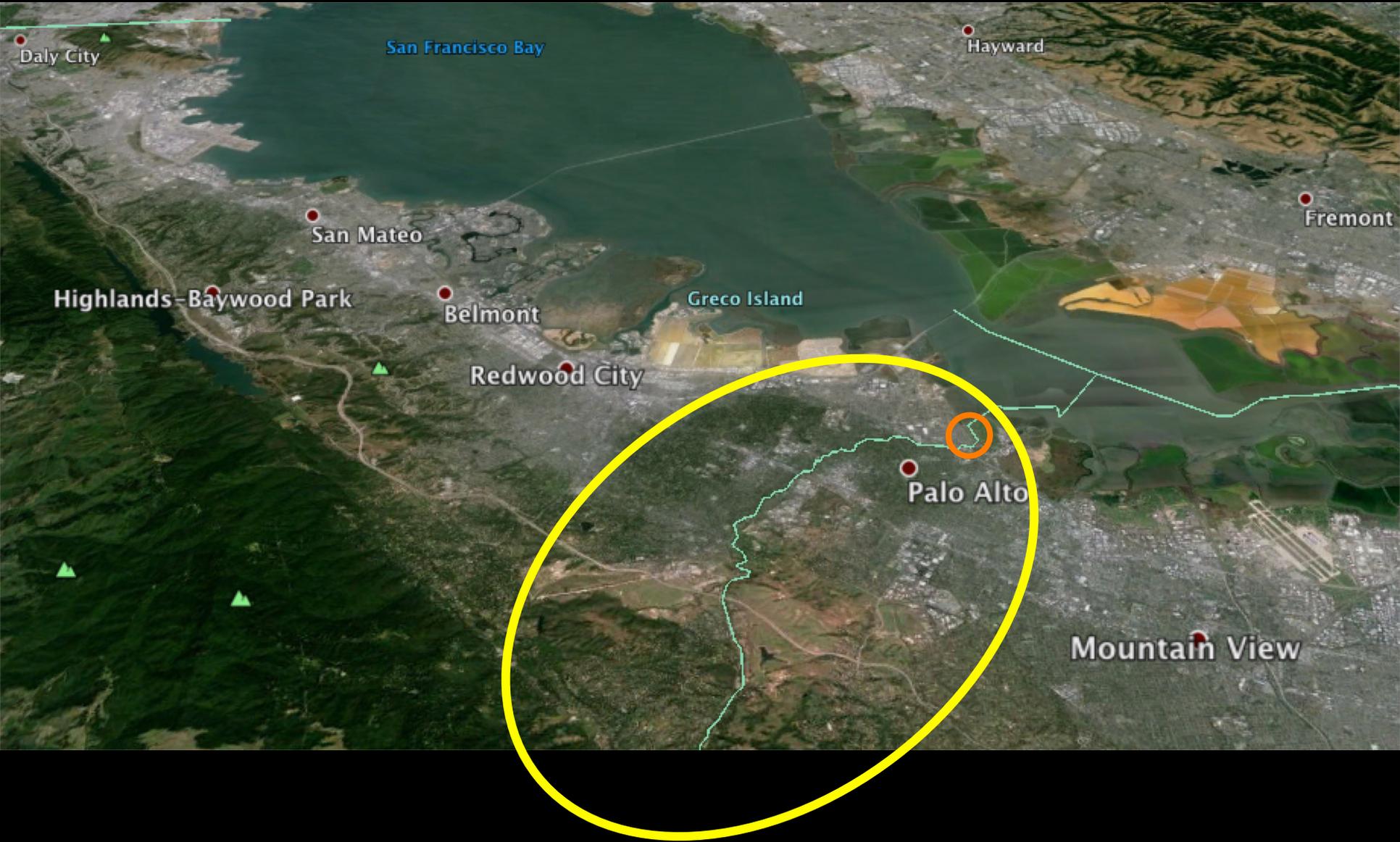
**San Francisco Bay
Conservation and Development Commission**

**San Francisquito Creek
Flood Protection, Ecosystem Restoration and Recreation Project
S.F. Bay-Highway 101**

**San Francisquito Creek Joint Powers Authority
Len Materman, Executive Director**

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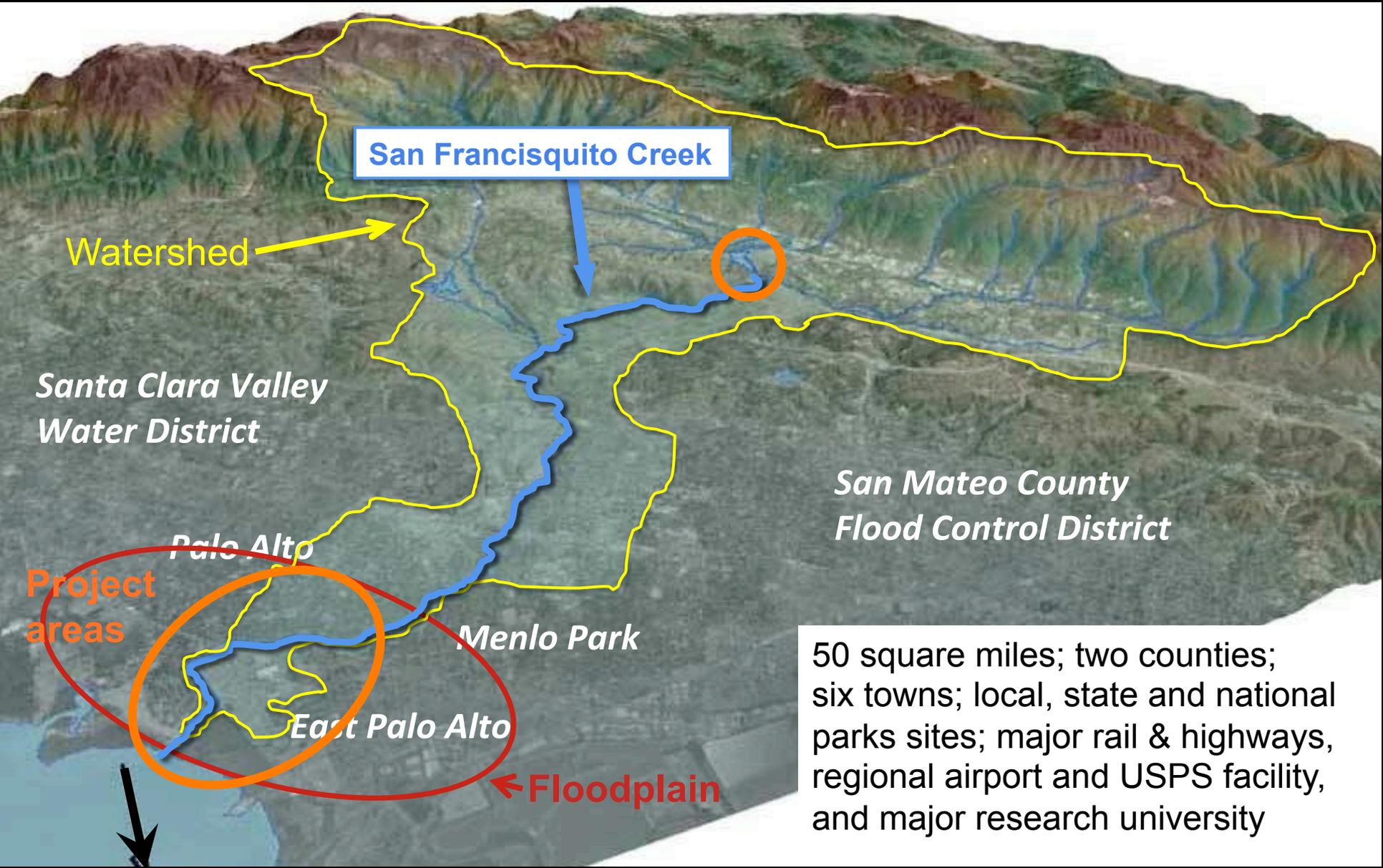
San Francisquito Creek and Project Location





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San Francisquito Creek Joint Powers Authority



San Francisquito Creek

Watershed

Santa Clara Valley
Water District

San Mateo County
Flood Control District

Palo Alto

Project
areas

Menlo Park

East Palo Alto

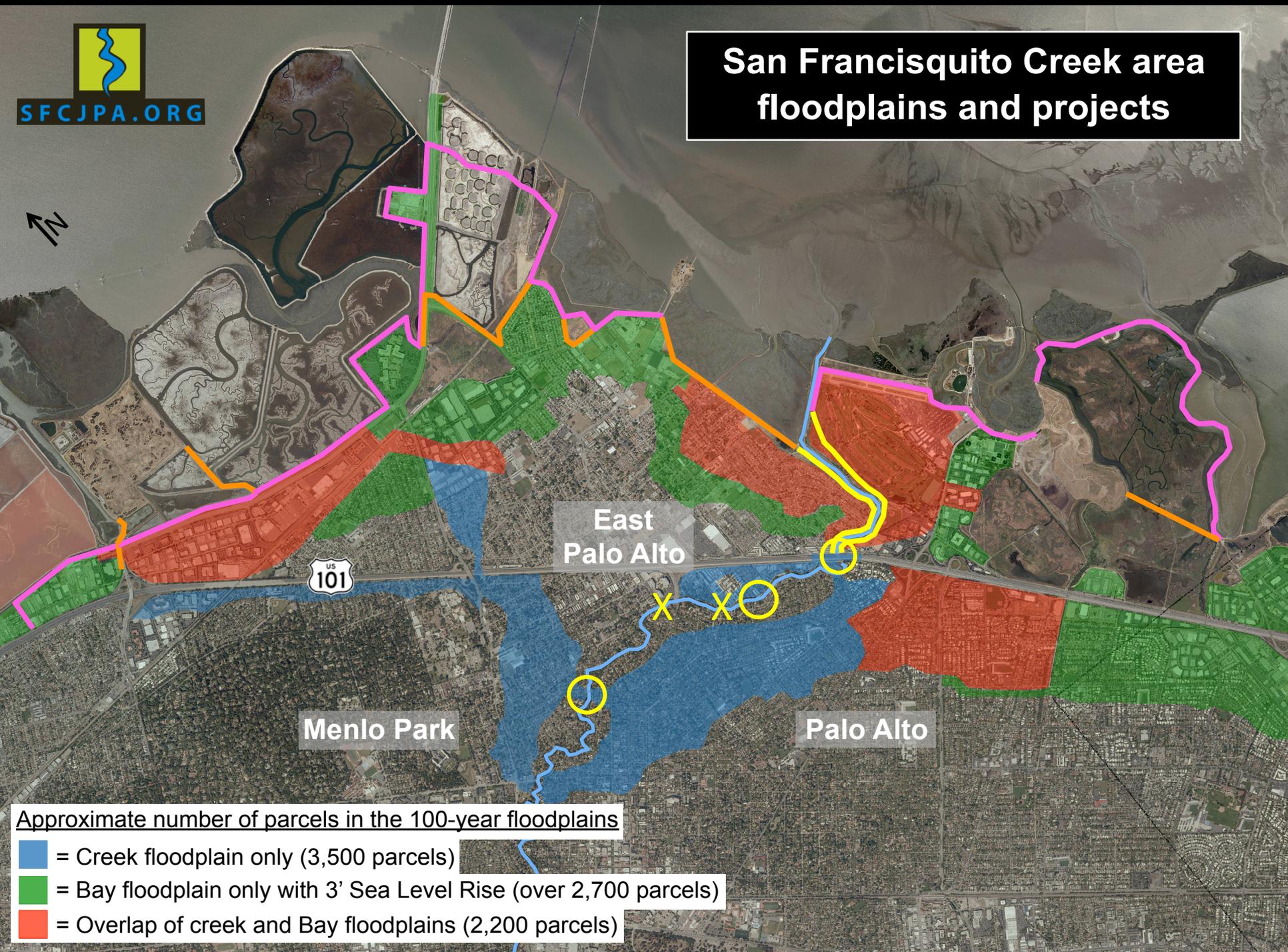
Floodplain

50 square miles; two counties;
six towns; local, state and national
parks sites; major rail & highways,
regional airport and USPS facility,
and major research university



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San Francisquito Creek area floodplains and projects



Approximate number of parcels in the 100-year floodplains

- = Creek floodplain only (3,500 parcels)
- = Bay floodplain only with 3' Sea Level Rise (over 2,700 parcels)
- = Overlap of creek and Bay floodplains (2,200 parcels)

1998



2012



2014



S.F. Bay-Highway 101 project history

1941

1993-97

1998

2000-09

2010

2013

2014

2016

Congressional authorization

Flood of record; next year JPA formed

Design and EIR begin

6 agencies sign funding agreement

Broad stakeholder group drafts plan

9 alternatives evaluated against 14 criteria

SFCJPA submits regulatory permit apps

San Francisquito Creek between S.F. Bay and Highway 101

An area of transitions





Homes below sea level and rooflines below levee tops

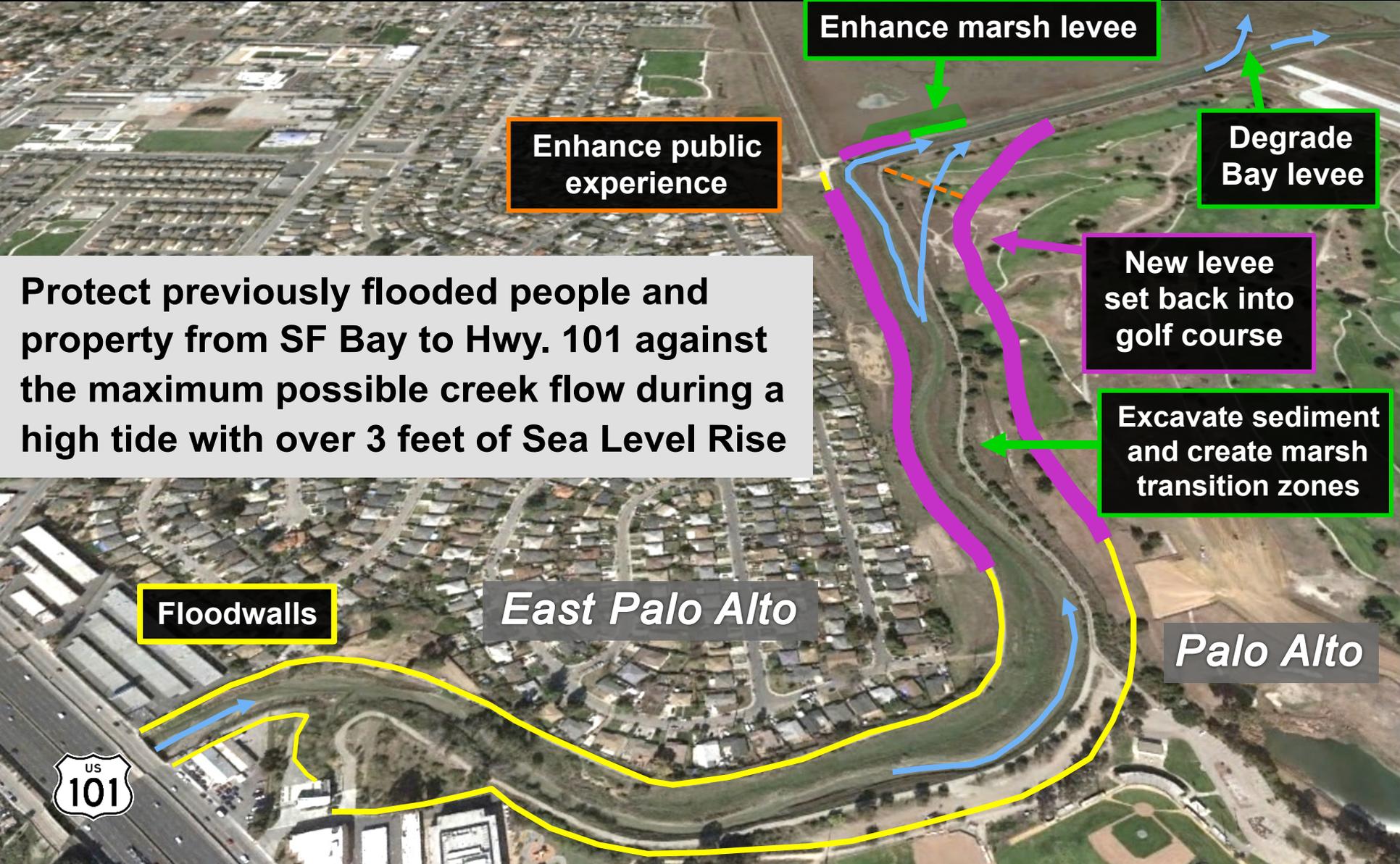
The view into East Palo Alto

San Francisquito Creek S.F. Bay-Highway 101 Project



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Key Project Features & Benefits



Enhance marsh levee

Enhance public experience

Degrade Bay levee

Protect previously flooded people and property from SF Bay to Hwy. 101 against the maximum possible creek flow during a high tide with over 3 feet of Sea Level Rise

New levee set back into golf course

Excavate sediment and create marsh transition zones

Floodwalls

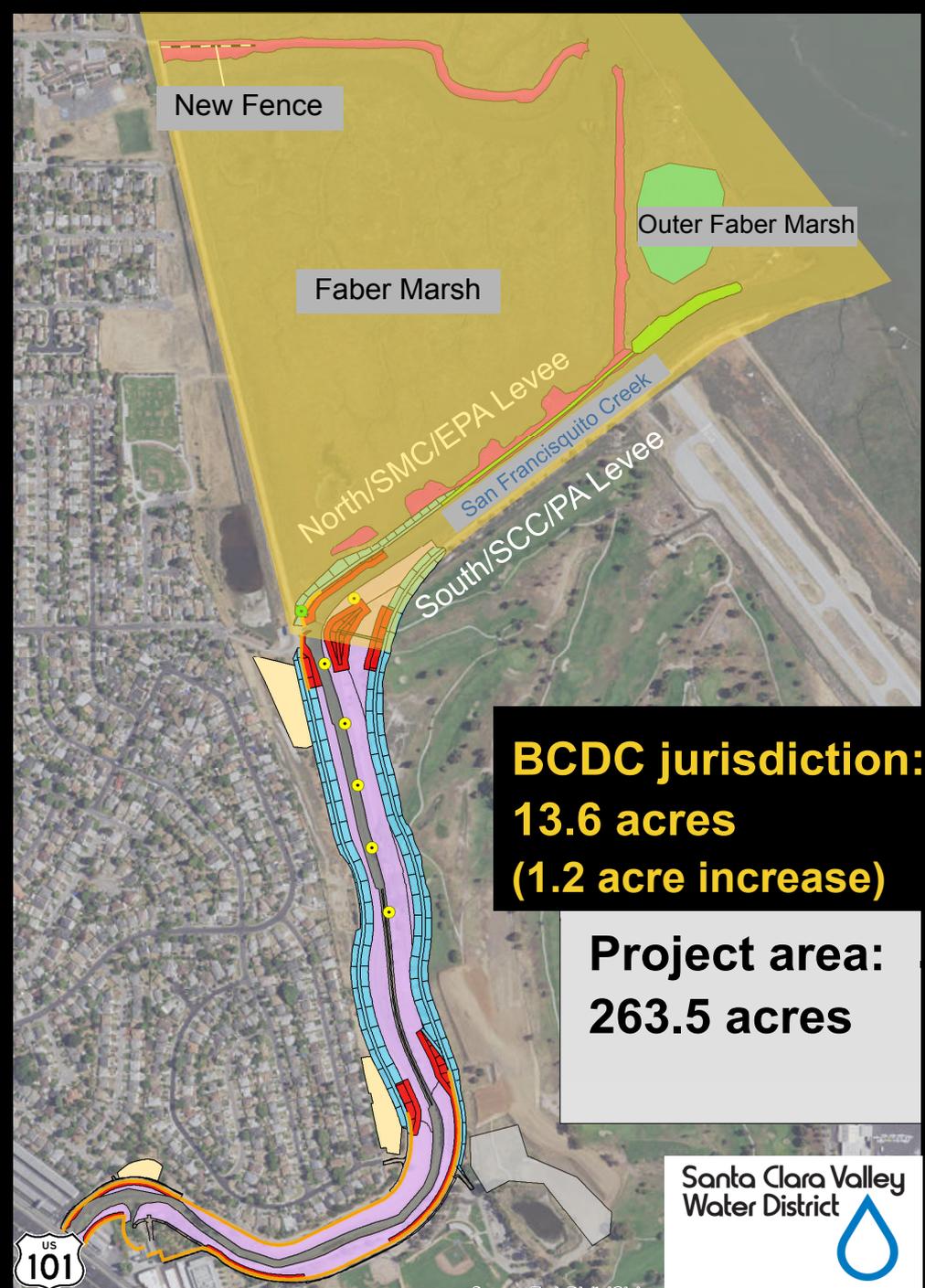
East Palo Alto

Palo Alto



Project supports BCDC objectives

- Increases Bay surface area
- Increases and enhances habitat, including marsh & high tide refuge areas
- Improves shoreline resilience
- Minimum fill to achieve benefits
- No feasible upstream alternative
- Improves water quality
- Impacts are fully mitigated

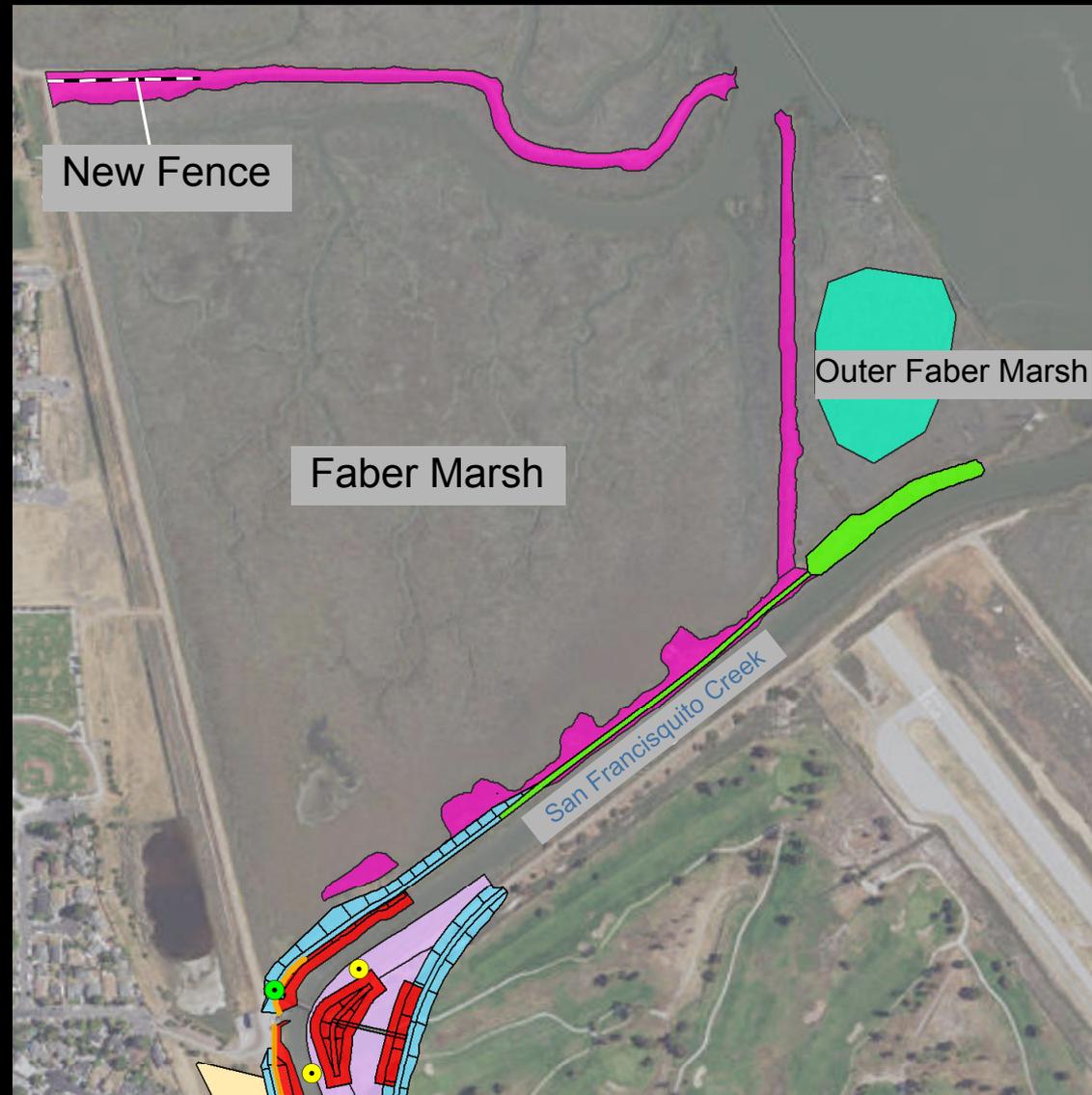


Marsh Improvements

Net increase of 7.7 acres
of restored habitat

Fill needed to:

- Create high-tide refugia islands
- Enhance berms with transition zones that protect endangered species and increase resilience to SLR



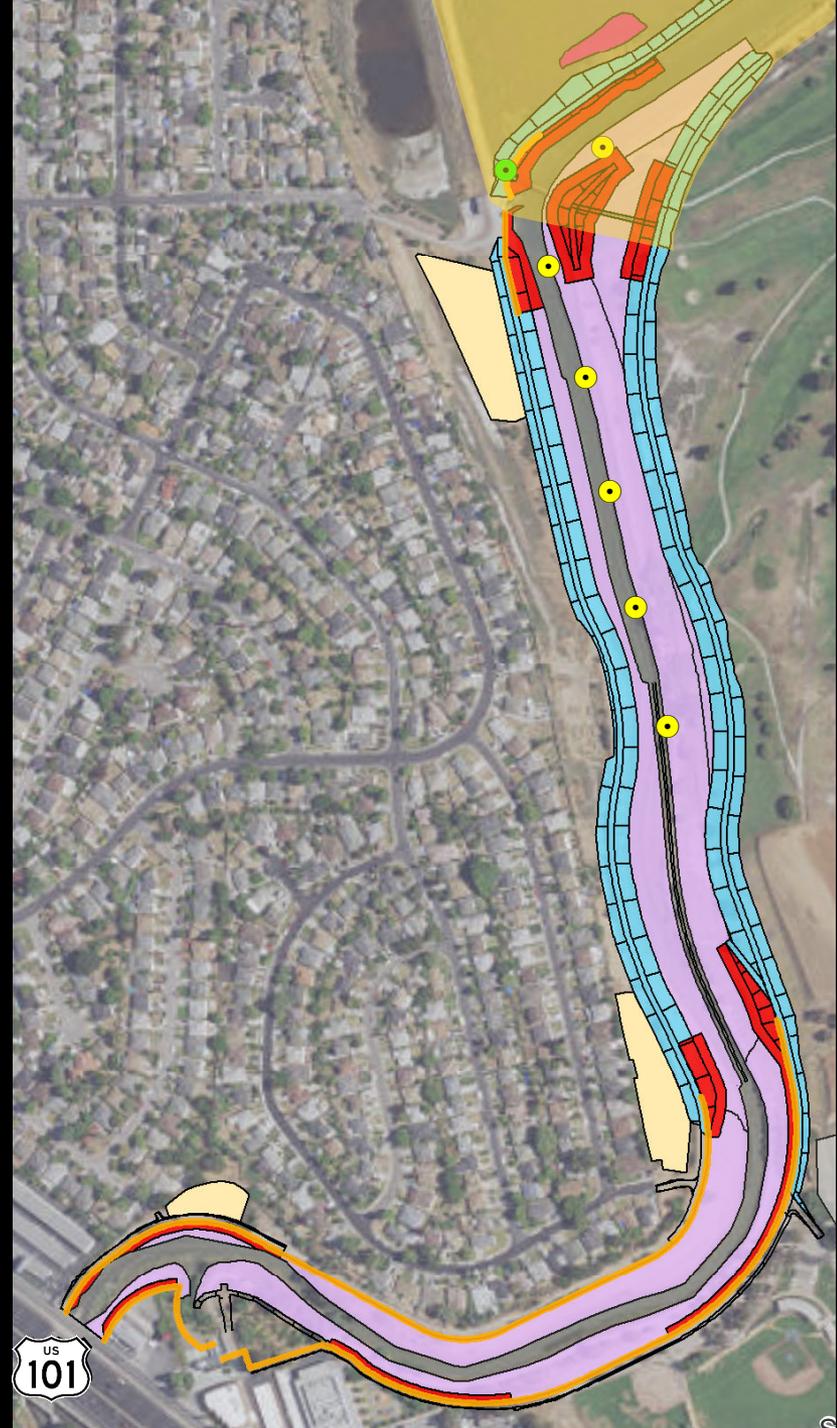
Creek Improvements

Net increase of 1.74 acres of marsh in **BCDC jurisdiction** *

Fill needed to:

- Protect & raise levees for fluvial and SLR protection
- Create marsh transition zones
- Place in-stream fish refugia
- Protect bridge footings
- Construct floodwalls
- Divert water during construction

* Total project provides a net increase of over 15 acres of marsh

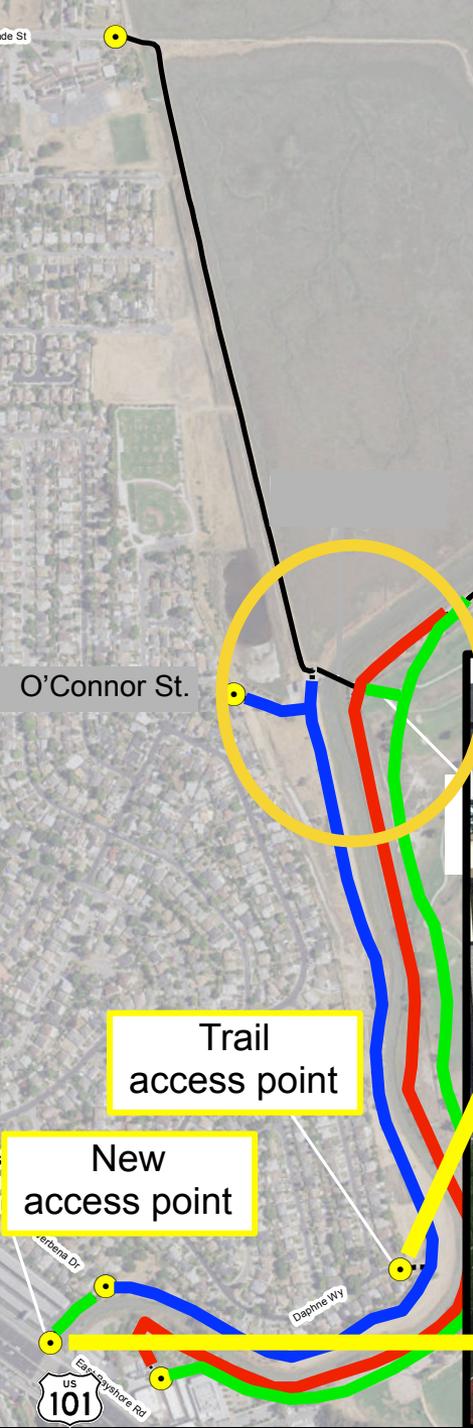


Public Access Improvements

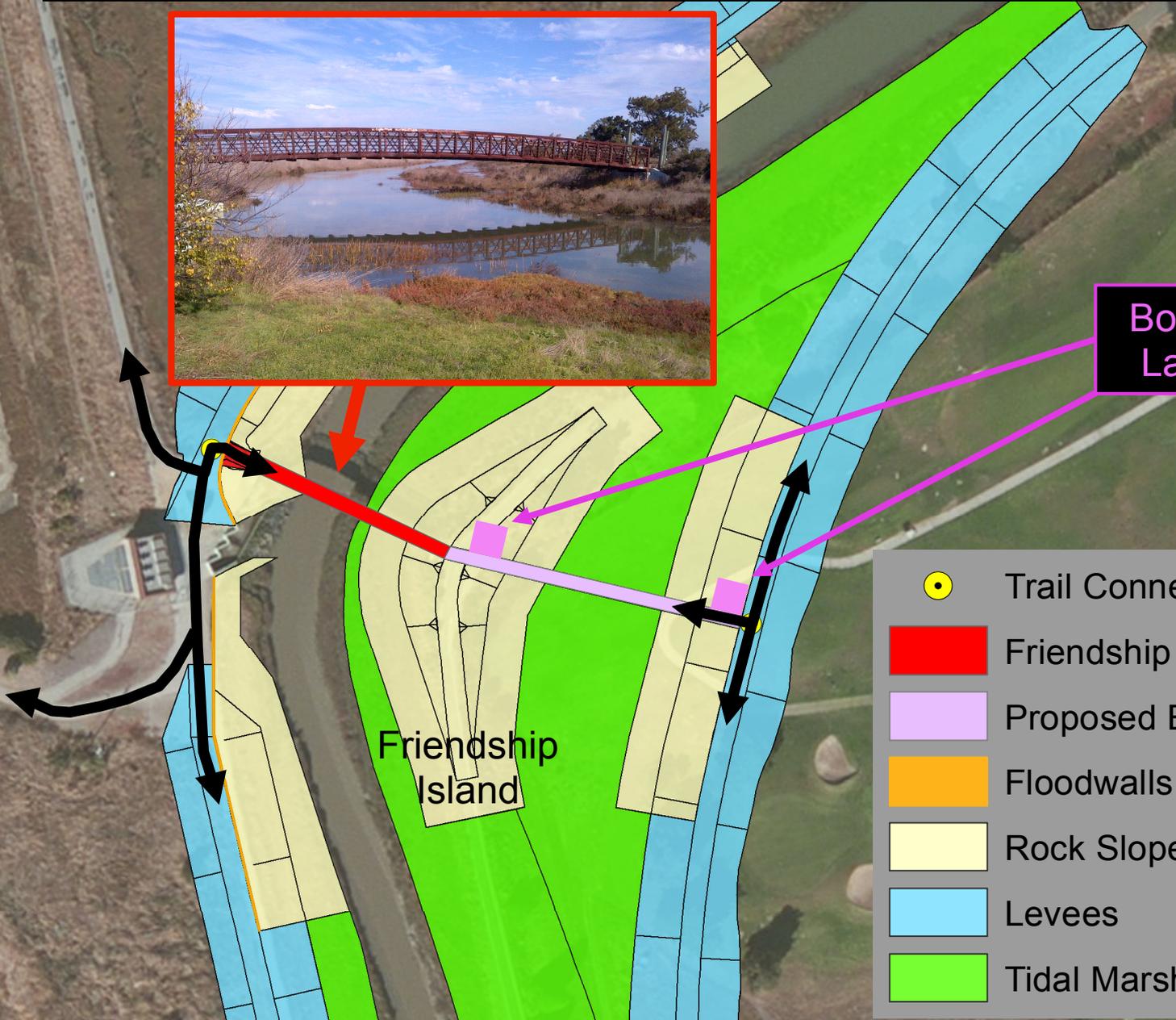


- 2 miles of improved trails, above future max flow and high tide with 3 feet SLR
- New boardwalk and landings over creek with marsh and Bay views
- New directional & interpretive signage
- New or improved access points, and max access within habitat limitations

- Trail access points
- Trail to be improved
- Trail to be removed
- Trail to be constructed



Public Access Improvements at the transition focal point



Boardwalk Landings

- Trail Connections
- Friendship Bridge
- Proposed Boardwalk
- Floodwalls
- Rock Slope Protection
- Levees
- Tidal Marsh Restoration Areas

The viewshed from Friendship Island Landing

Thank You



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