

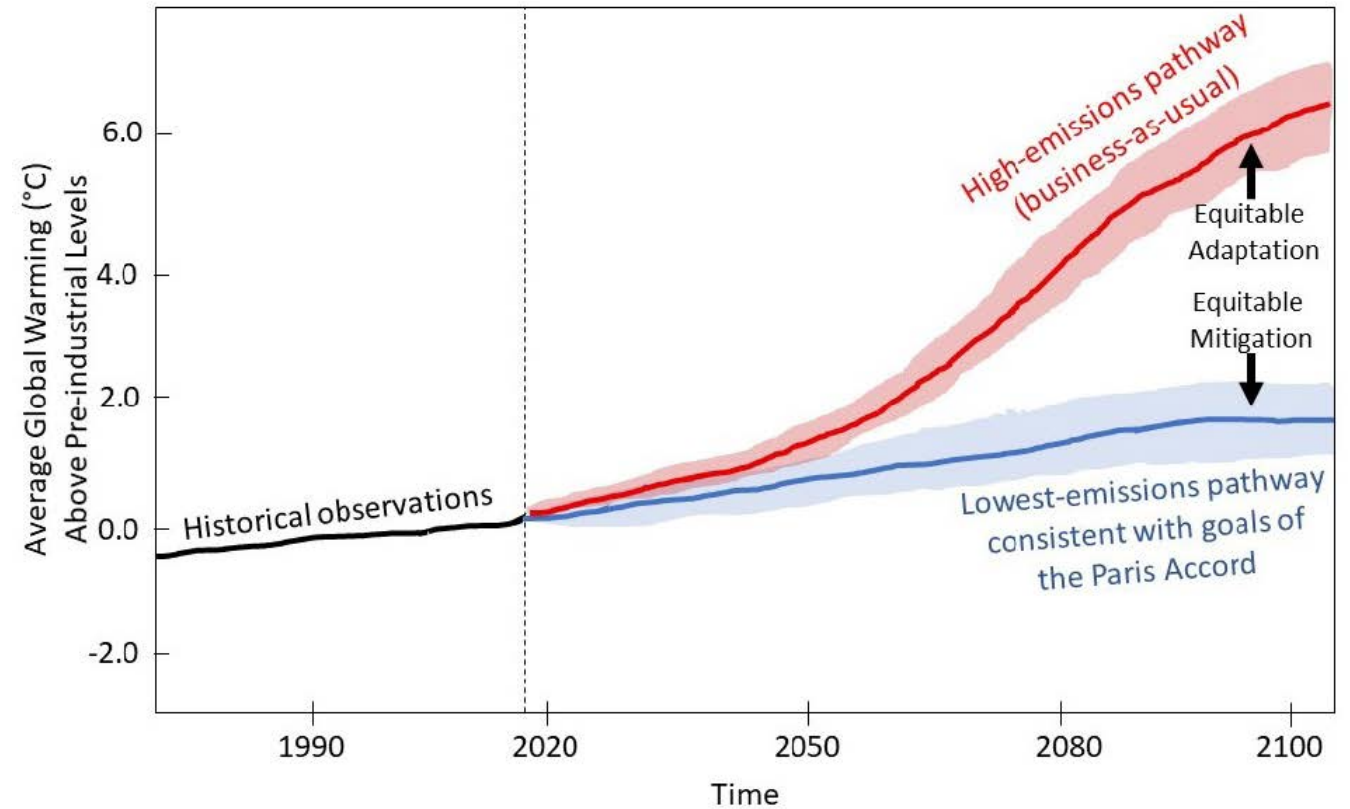


ALAMEDA CLIMATE *ACTION* AND RESILIENCY PLAN

FEBRUARY 7, 2020 PRESENTATION TO THE ASSEMBLY SELECT
COMMITTEE ON SEA LEVEL RISE AND THE CALIFORNIA ECONOMY

Alameda's Climate Safe Path

The combination of mitigation and adaptation into a single, actionable plan was a “must” for Alameda.



**Greenhouse Gas Emission
Reduction Goals**

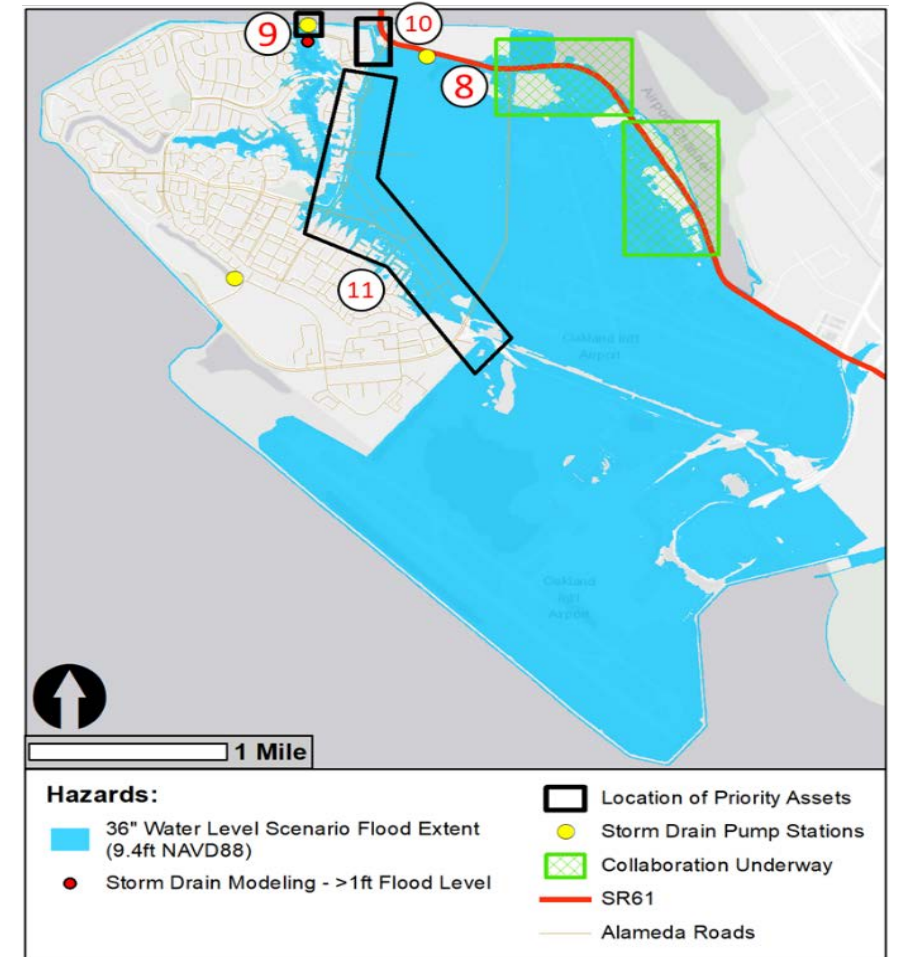
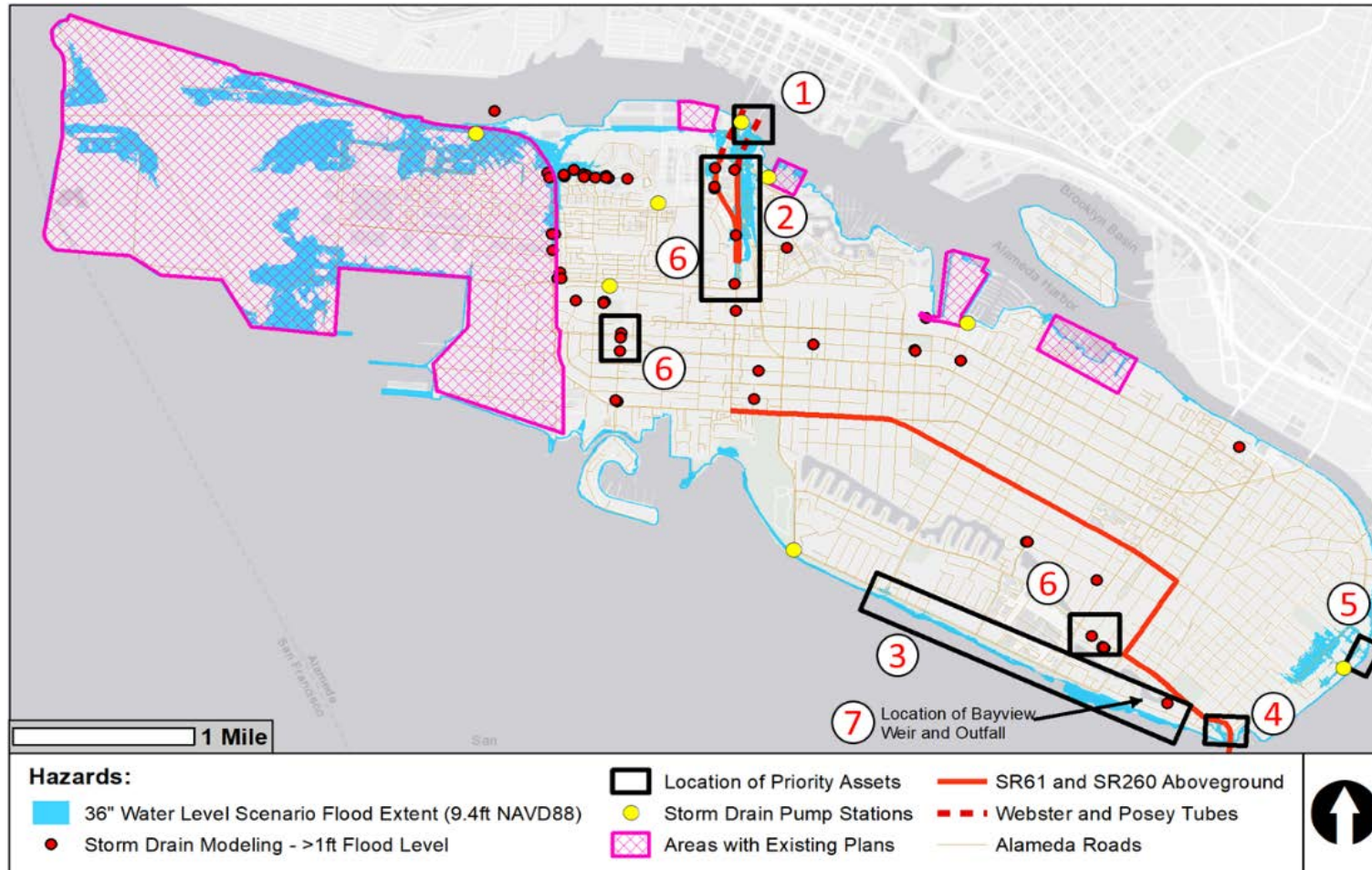
**Climate
Adaptation Goals**

CARP

**Climate-Resilient
Alameda**

Location-based Priority Flooding Areas

Shoreline and Natural Areas | Utilities | Transportation

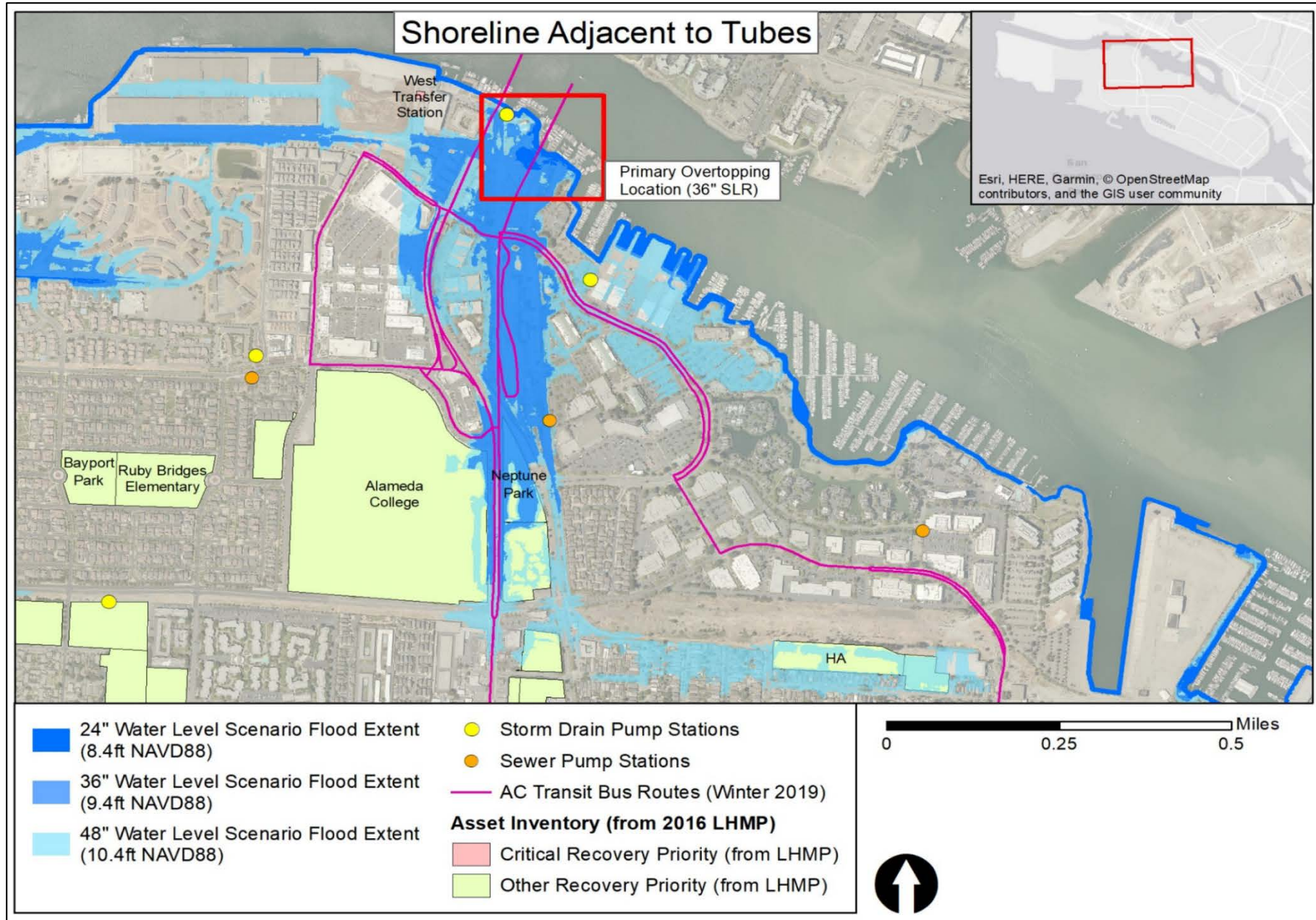


- 1 – Shoreline at Webster and Posey Tubes
- 2 – SR 260 and Posey/Webster Tubes
- 3 – Crown Beach and Bird Sanctuary
- 4 – Bay Farm Island Bridge Touchdown Area

- 5 – Eastshore Drive
- 6 – Critical and High-Use Roadways
- 7 – Bayview Weir and Outfall

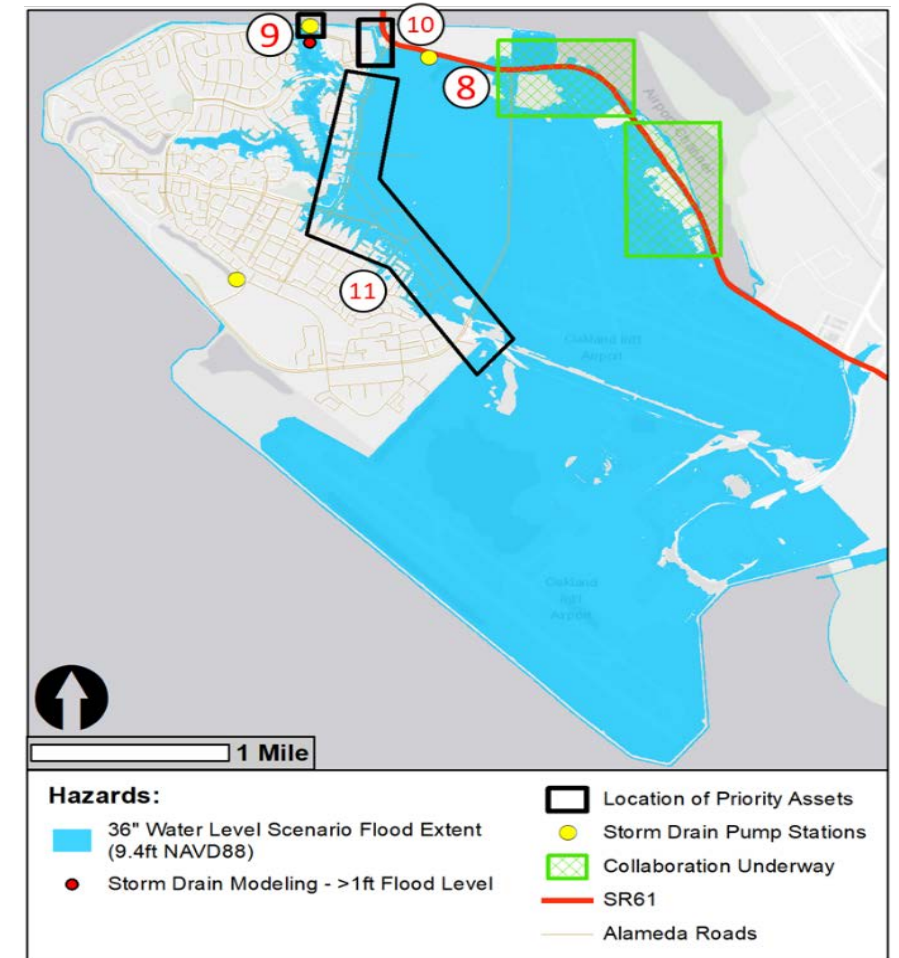
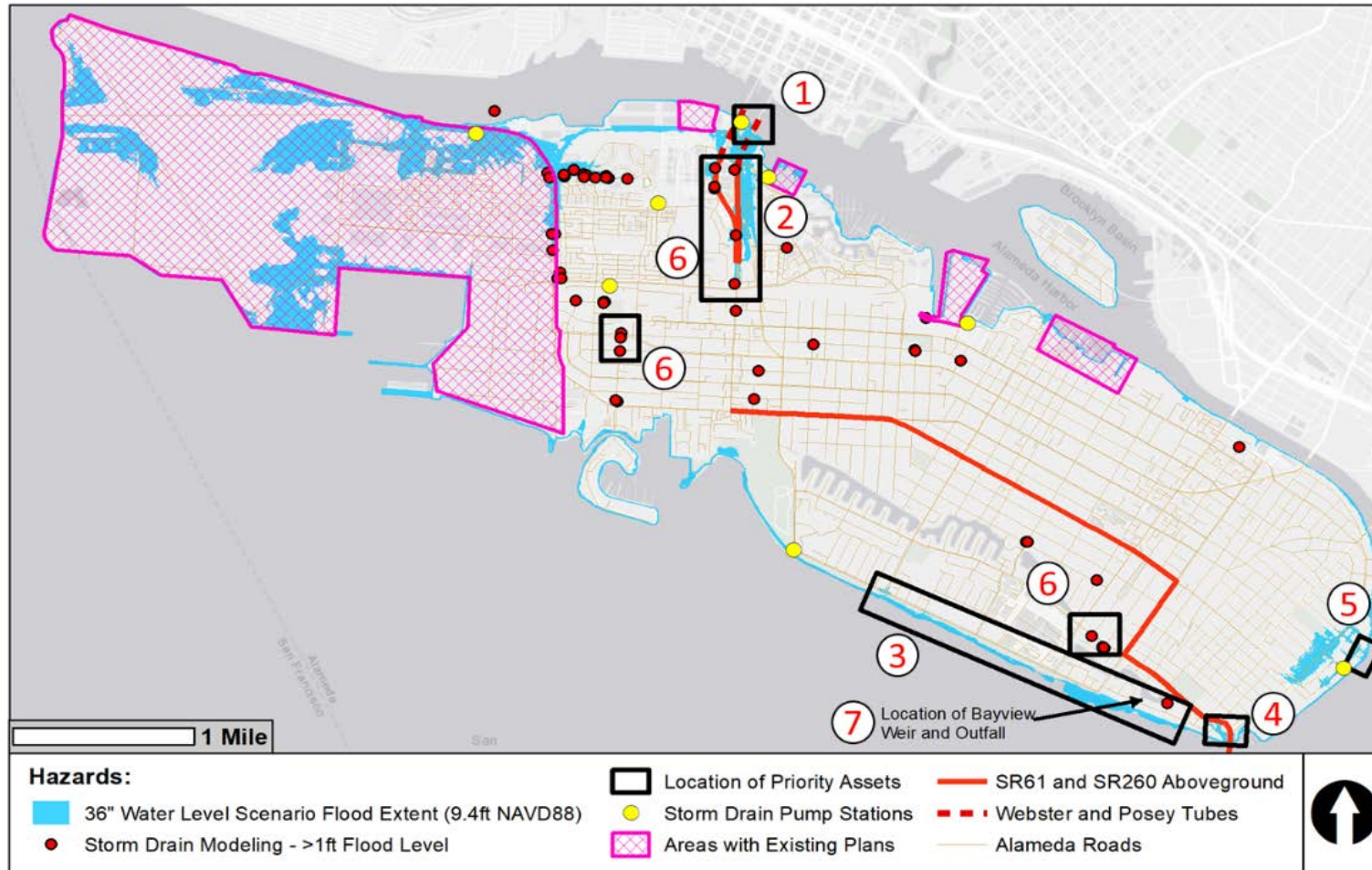
- 8 – SR 61/Doolittle Drive
- 9 – Bay Farm Island Lagoon System 1 Outlet
- 10 – Veteran's Court Seawall
- 11 – Stormdrain System (Citywide)

1 & 2 – Posey / Webster Tubes



Location-based Priority Flooding Areas

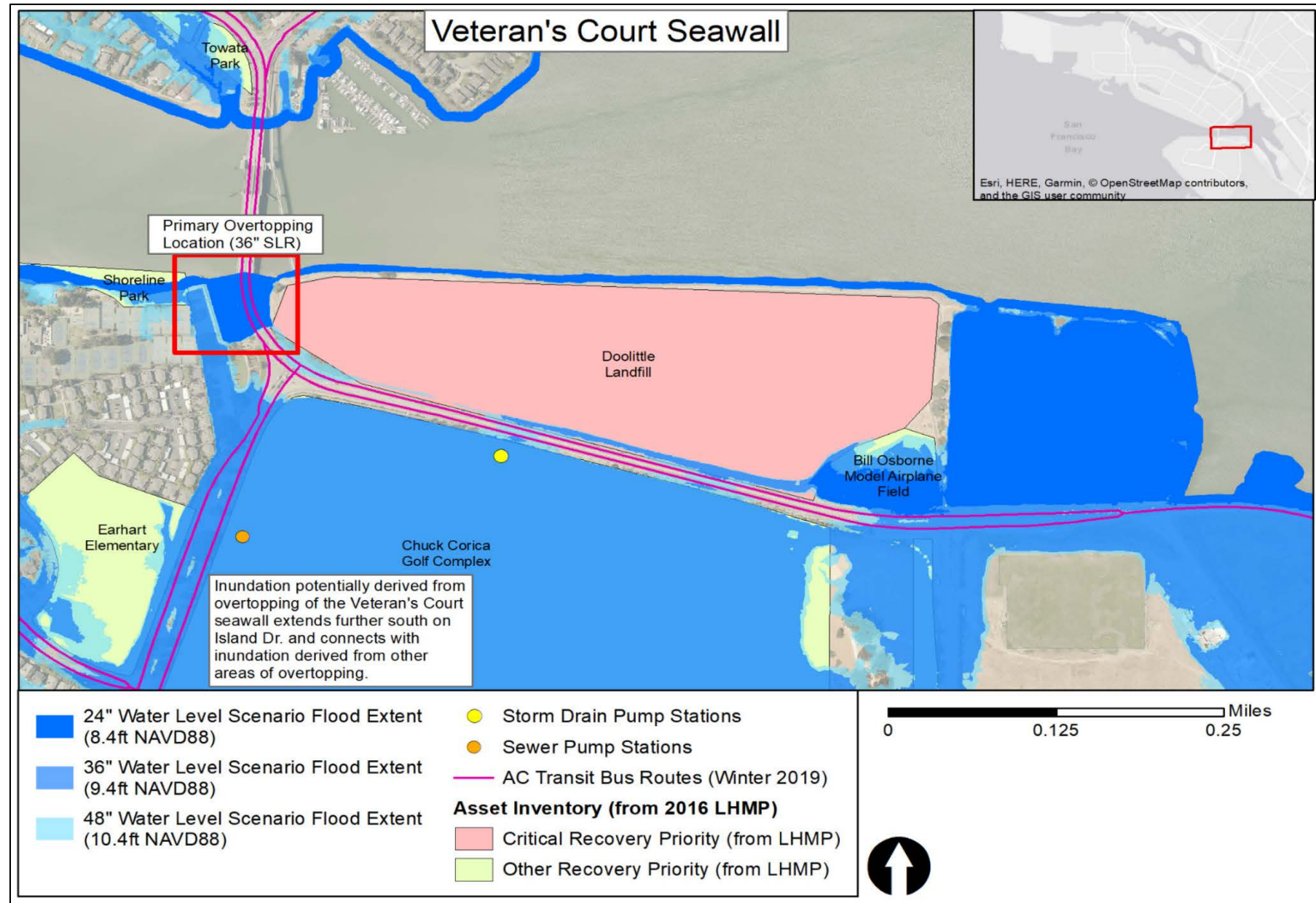
Shoreline and Natural Areas | Utilities | Transportation



8 – SR 61 / Doolittle Drive

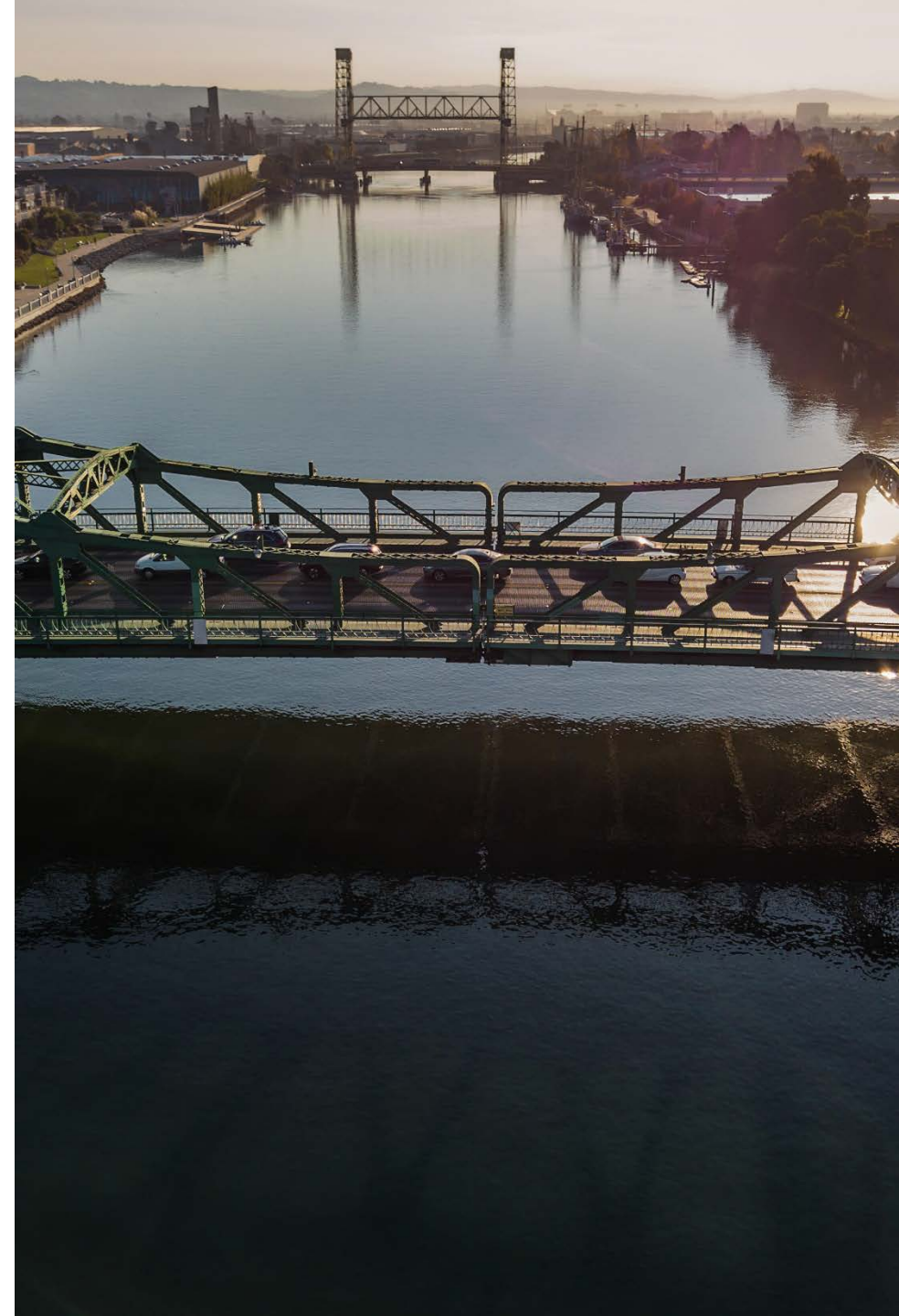


10 – Veteran's Court Seawall



Funding and Financing the CARP

- The CARP recommends creating a new **Climate Fund** for GHG emissions reduction and climate change adaptation
- Funding may also come from **state** and **federal** dollars and grants
- Other **local** funding mechanisms include:
 - **Infrastructure bonds**
 - **Flood assessments**
 - Special districts
 - **Stormwater fees**
 - Enhanced Infrastructure Financing Districts



The Cost of Inaction and Action

Cost of inaction and action considered:

- 2030, 2050, and 2100 scenarios
- Permanent inundation and temporary flooding (100-year storm surge)
- Economic impacts (building damage, land and infrastructure loss) and protective costs

Scenario	High-End Cost (\$M)	Avoided Loss (\$M)
2030	\$285	\$1,490
2050	\$559	\$2,018
2100	\$1,056	\$8,061

With conservative assumptions and incomplete calculation of benefits, in all scenarios, for every dollar spent on adapting, at least \$3.50 in loss is avoided.

