

Adapting to Rising Tides Project

Project Summary

Adapting to Rising Tides

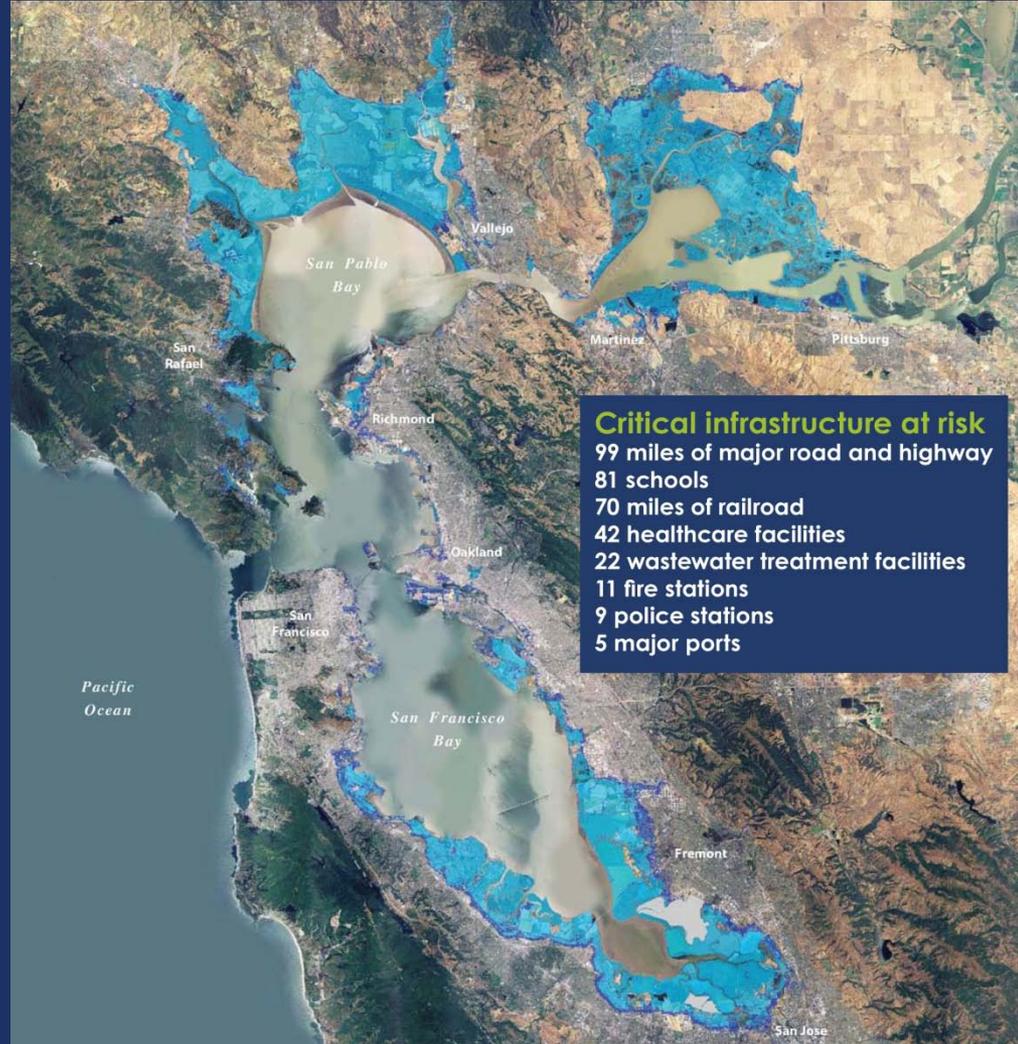




Project Goal

The goal of the ART project is to increase the preparedness and resilience of Bay Area communities to sea level rise and other climate change impacts while protecting ecosystem and community services.

Regional Assessment



Comprehensive Approach



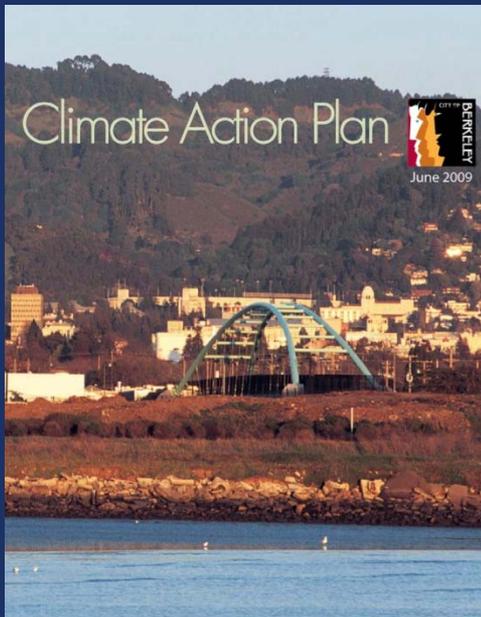
Mitigation and Adaptation

A climate strategy involves both mitigation and adaptation. **Mitigation** refers to policies to reduce greenhouse gas emissions or enhance greenhouse gas sinks. **Adaptation** refers to actions undertaken to reduce the vulnerability of the built and natural environment to the actual or expected effects of climate change.

Source: Intergovernmental Panel on Climate Change, 2007

Learning Together and Working Together

ICLEI-Local Governments for Sustainability



Teaming up with mitigation efforts

California is moving ahead with mitigation at regional, state, and local levels. To leverage resources and increase the value and effectiveness of results, the ART project will coordinate with regional-scale mitigation programs.

FOCUS

A development and conservation strategy for the San Francisco Bay Area

OneBayArea

Collaborative efforts for developing the region's Sustainable Communities Strategy

Partnerships and Funding Sources

NOAA Funding:

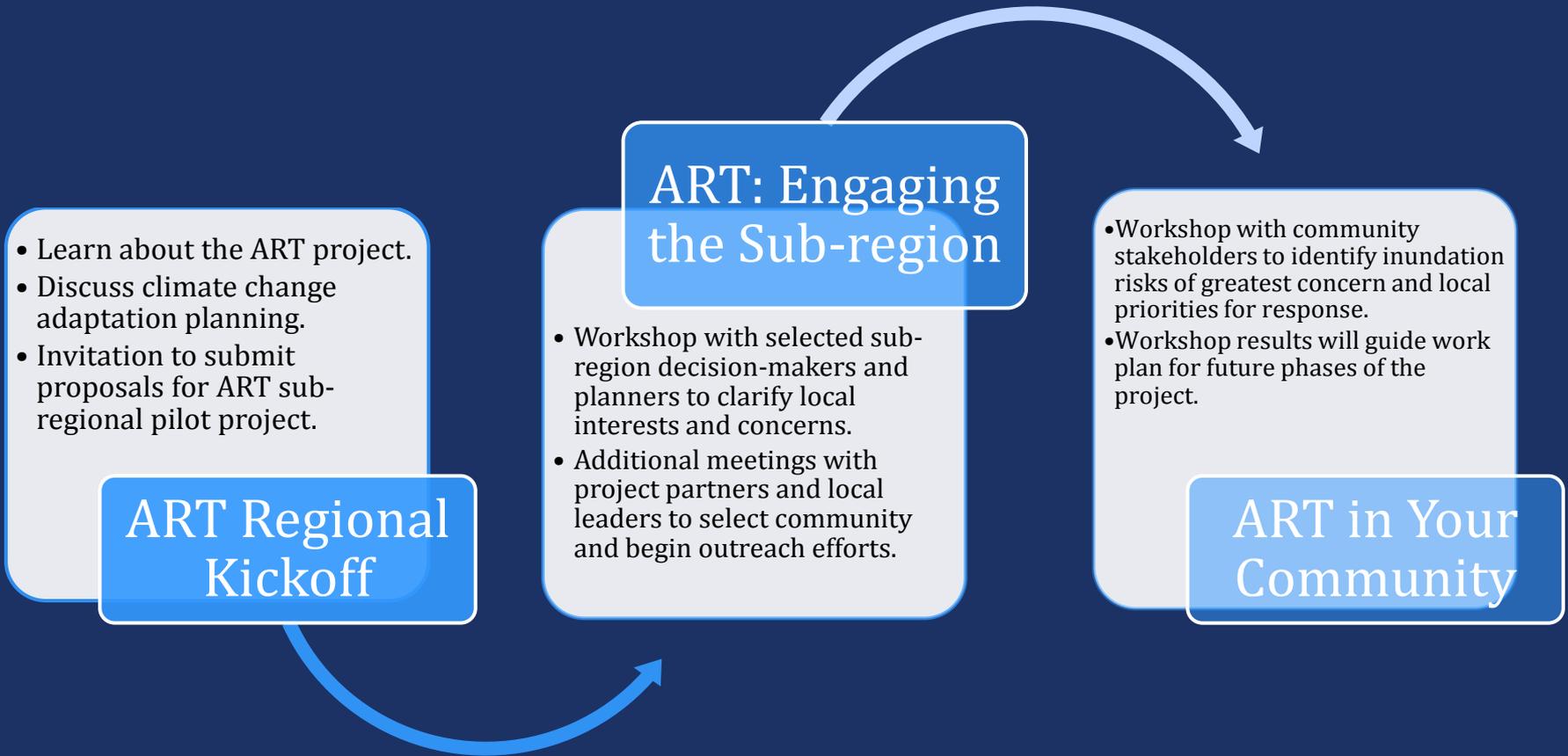
- Regional Kick-off
- Sub-regional
- Community

FHWA Funding:

- Vulnerability assessment of transportation assets
- Partnership with MTC and CalTrans



ART Project-Two Scales

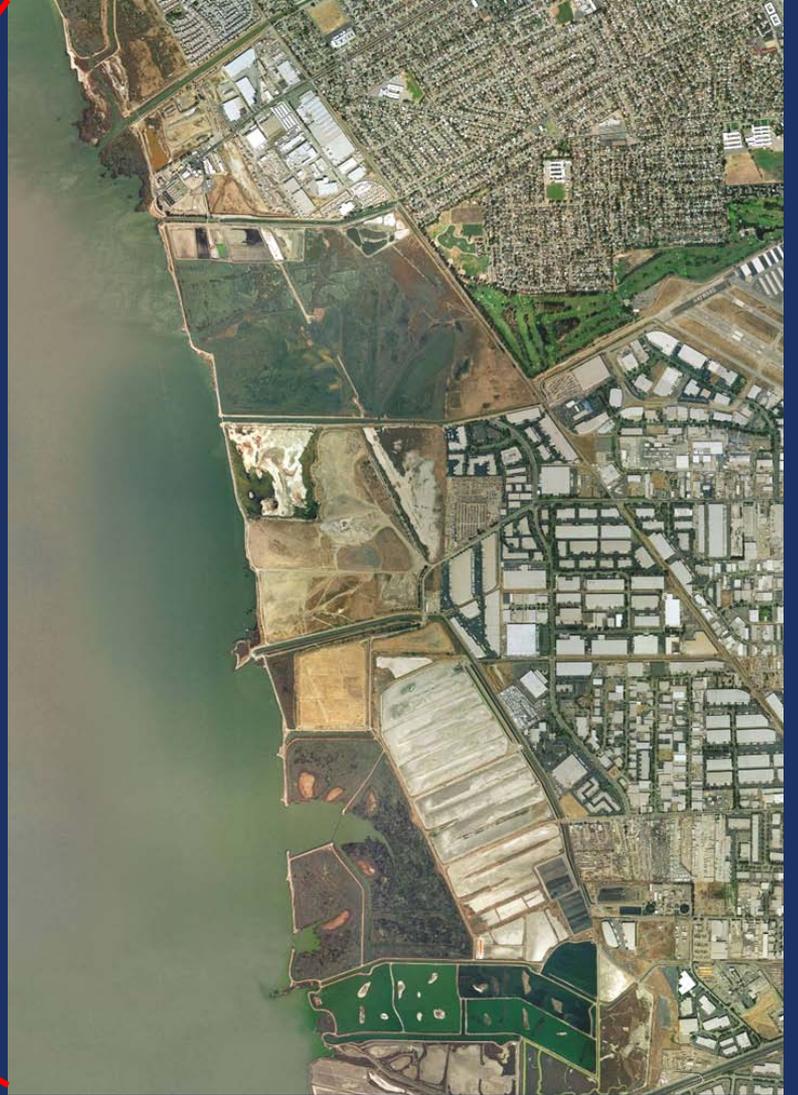


Selection Criteria

The selection of the project sub-region will be based upon several criteria and characteristics, including:

- A diversity of land uses and characteristics along the shoreline.**
- Regionally significant transportation infrastructure.**
- Desire and capacity of decision-makers and staff in the sub-region to become partners in the project.**

Adapting to Rising Tides



ART Project Website

Adapting to Rising Tides



www.risingtides.csc.noaa.gov

ART Project Outcomes

- Identify the appropriate planning scales
- Improve climate change preparedness
- Increase local government capacity
- Strengthen partnerships, build new ones
- Support communities

Next Steps



Photo: Noelle Murata

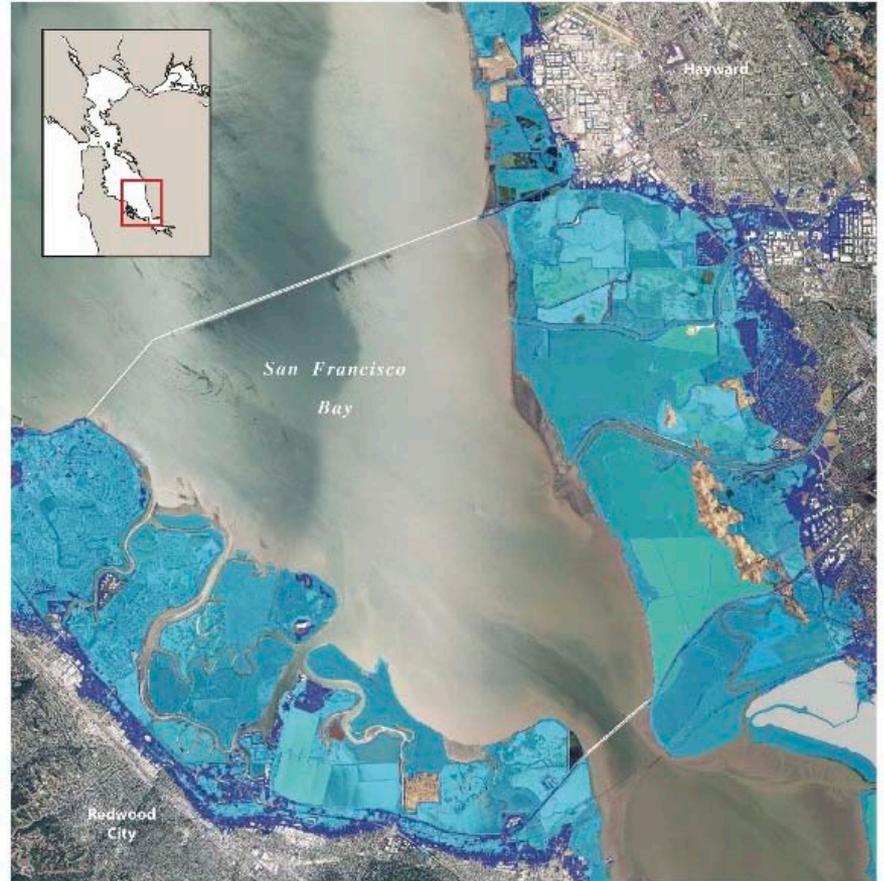


"There is high confidence that neither adaptation nor mitigation alone can avoid all climate change impacts; however, they can complement each other and together can significantly reduce the risks of climate change."

— 2007 IPCC Fourth Assessment Report

Photo by Ingrid Taylor

Today's Flood Is Tomorrow's High Tide



Areas of the Central and South Bay that could be inundated by a 16-inch (blue) and 55-inch (purple) sea level rise.