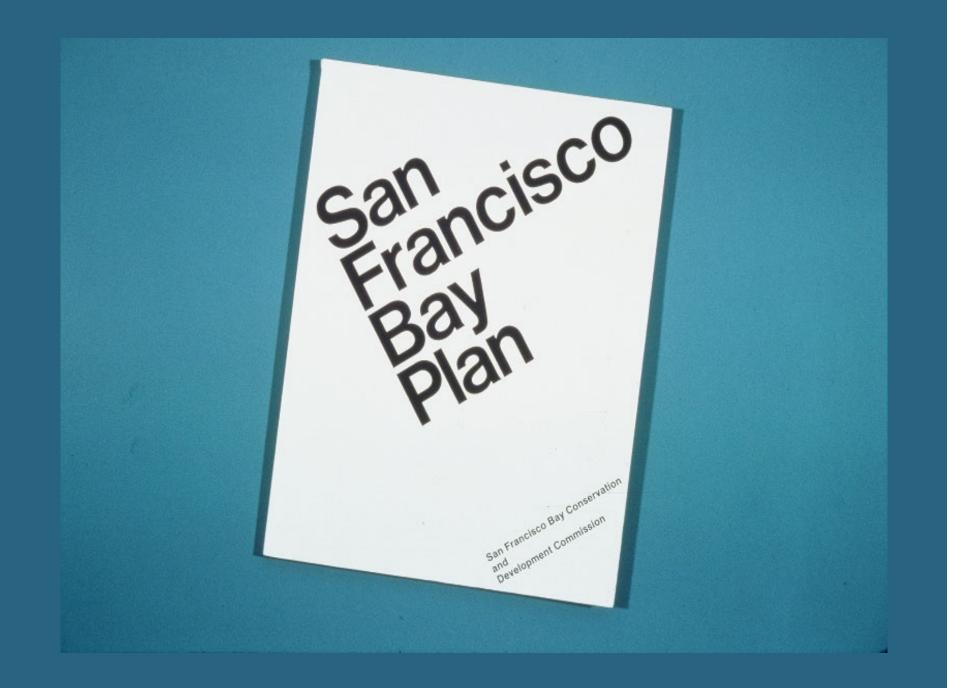
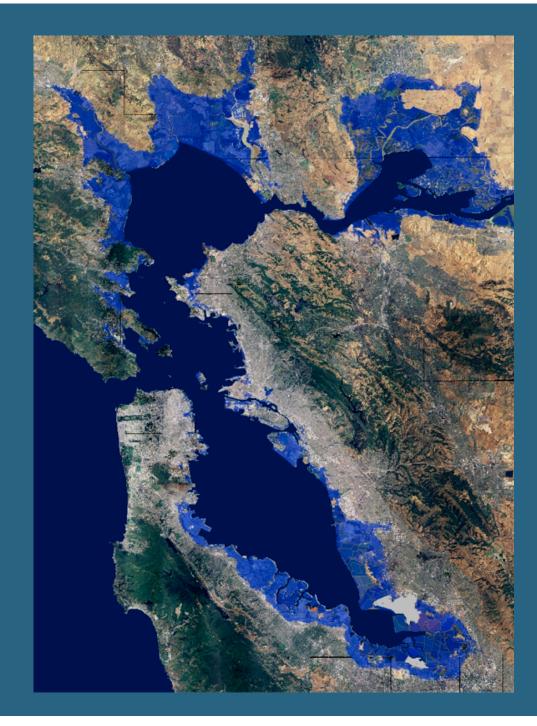
BCDC's Climate Policies and the Adapting to Rising Tides Project











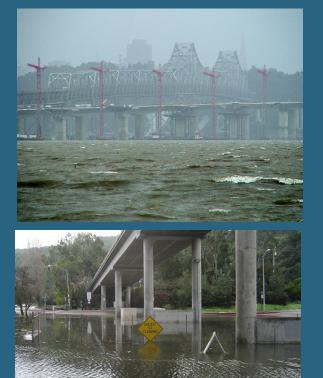
The goal of the ART project is to increase the preparedness and resilience of Bay Area communities to sea level rise and other climate change impacts while protecting ecosystem and community services.





San Francisco Bay Conservation and Development Commission

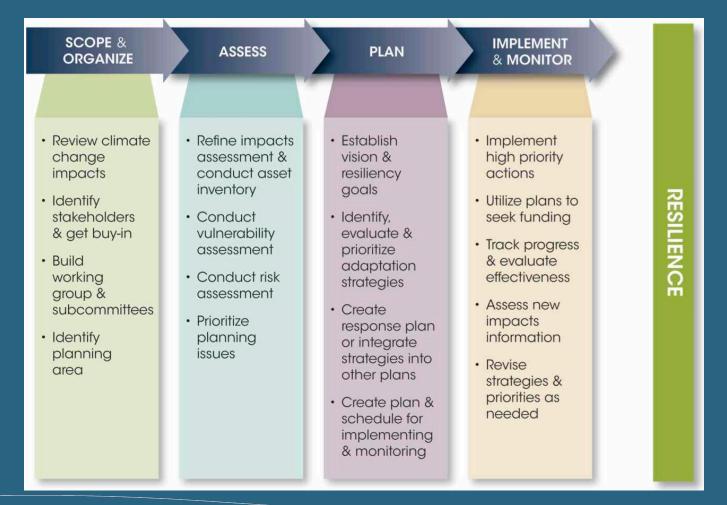




- How will sea level rise and storm events affect the future of Bay Area communities, infrastructure, ecosystems and economy?
- What approaches can we pursue, both locally and regionally, to assess these challenges, and reduce or manage these risks?



ART Adaptation Planning Process



Scope & Organize

ART Project Area

- Wide, regional interest ≈ 40 submittals from seven of the nine Bay Area counties
- Three main selection criteria:
 - ✓ Capacity and interest
 - ✓ A diversity of shoreline types
 - Regionally significant transportation infrastructure
 - Project area includes the shoreline of Alameda County, from Emeryville to Union City



Scope & Organize

ART Collaborative Project Management

- San Francisco Bay Conservation and Development Commission
- NOAA Coastal Services Center
- U.S. Department of Transportation Federal Highway Administration
- Metropolitan Transportation Commission
- California Department of Transportation
- ICLEI Local Governments for Sustainability



Scope & Organize

ART Subregional Working Group

ABAG

Alameda County (AC) Public Works AC Community Development AC Public Health Department AC Transportation Commission Alameda CTC BART **Bay Institute Bay Trail** CA Coastal Conservancy **Capitol Corridor JPA** City of Alameda City of Emeryville City of Hayward City of Oakland City of San Leandro City of Union City

East Bay Dischargers Authority East Bay Municipal Utility District East Bay Regional Park District H.A.R.D. Oro Loma Sanitary District Pacific Institute PG&E Port of Oakland San Francisco Estuary Institute





Assess

ART Asset Categories:

- Airport
- Community land use, facilities and services
- Contaminated lands
- Energy, pipelines and telecom
- Hazardous material sites
- Ground transportation
- Parks and recreation
- Natural shorelines
- Seaport
- Stormwater
- Structural shorelines
- Wastewater

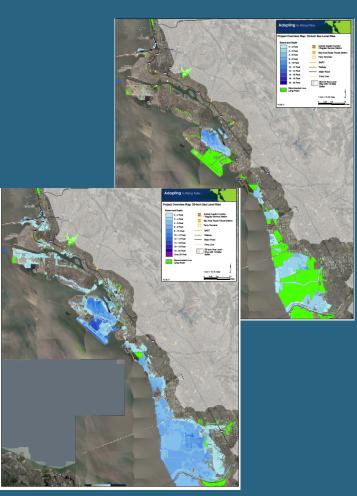


Assess

New, Refined Sea Level Rise and Storm Event Maps

Areas potentially exposed to:

- frequent or permanent inundation
- more frequent floods or floods that last longer
- overtopping of shoreline protection
- elevated groundwater and salinity intrusion

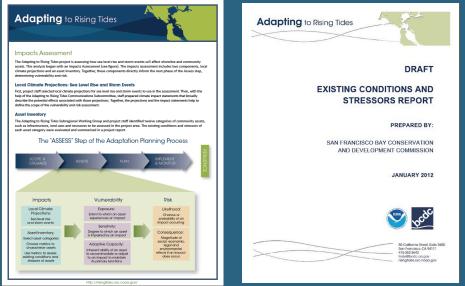


Assess

Impacts Assessment

- Local Climate Projections and Impact Statements
- Asset Inventory
- Asset-Specific Metrics
- Existing Conditions and Stressors Report





ART Project Next Steps

- Work with project partners to complete vulnerability and risk assessment (Spring 2012)
- Research adaptation strategies and options, and develop evaluation framework (Summer 2012)
- Engage local and regional entities in identifying a broad suite of adaptation strategies and options (Fall 2013)

For More Information

About ART

Home

Building on its regional assessment of Bay Area impacts from mid- and end-of-century sea level rise, <u>Living With a Rising Bay</u>, the San Francisco Bay Conservation and Development Commission (BCDC) has partnered with the National Oceanic and Atmospheric Administration Coastal Services Center (NOAA CSC) to work with Bay Area communities in planning for sea level rise. The Adapting to Rising Tides (ART) project will be a collaborative effort involving community officials and stakeholders to address two specific questions:

About ART

Events

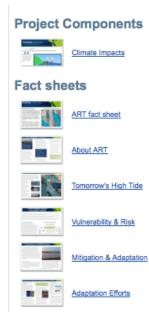
Resources

How will sea level rise and other climate change impacts affect the future of Bay Area communities, ecosystems, infrastructure, and economy?

What strategies should we pursue, both locally and regionally, to address these challenges and reduce and manage these risks?

Please click on components of the image to learn more about specific aspects of the ART Project





Contacts

Visit the ART project website at:

www.risingtides.csc.noaa.gov

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San Francisco Bay Conservation and Development Commission