

Oakland / Alameda Focus Area Shoreline Resilience Planning

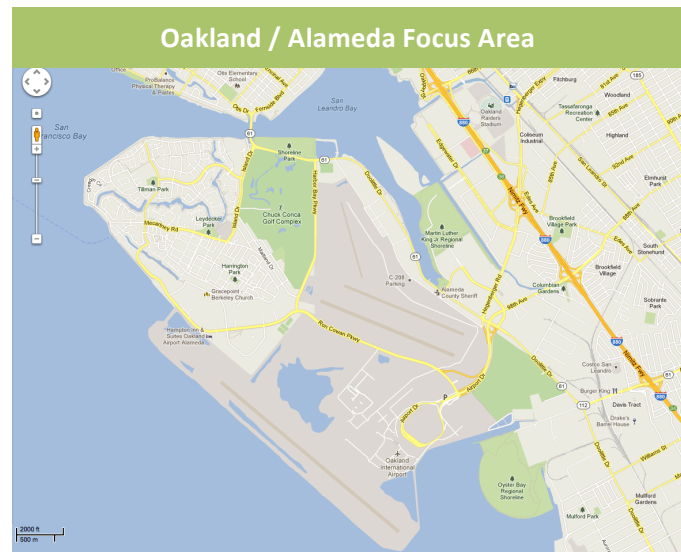
Association of Bay Area Governments' Earthquakes and Hazards Program

San Francisco Bay Conservation and Development Commission's Adapting to Rising Tides Project

The Oakland / Alameda Focus Area Shoreline Resilience Planning project is a collaborative effort that will consider vulnerabilities, risks and mitigation opportunities for multiple hazards that could affect the people, facilities, infrastructure, and services (“assets”) of the project area. This area (“focus area”) has significant infrastructure and community assets at risk due to its location on the shoreline, low-lying topography, underlying bay fill, and other loose soils that are susceptible to liquefaction.

The Shoreline Resilience Planning project will consider risks and mitigation opportunities for multiple hazards – earthquakes, sea level rise, and flooding – in an integrated planning process. This approach will help identify efficiencies, for example where data and information necessary to understand one hazard can be used to inform another, and will simplify and streamline the planning process for stakeholders by seeking their participation in a single project that addresses multiple hazards. It will also provide important insights into how risk mitigation strategies for one hazard may be modified to address another, and may uncover where action to mitigate one hazard could exacerbate the risk from a different hazard.

The project will also examine the relationships among assets within the focus area, as well as the relationship of assets within the focus area to those outside the focus area, in order to identify dependencies and interdependencies. This analysis will take the project a step further than traditional hazard mitigation planning by considering secondary vulnerabilities caused by dependencies and interdependencies among assets, and by evaluating the regional consequences of disruptions to local infrastructure and community assets.



Project Goals & Objectives

- Demonstrate the benefits of multi-objective shoreline resilience planning that considers multiple hazards and sectors
- Identify shared elements of earthquake risk mitigation and sea level rise adaptation planning
- Consider vulnerabilities caused by dependencies and interdependencies among assets
- Create partnerships with diverse stakeholders and actively engage them in planning for multiple hazards within the focus area