

Pescadero

San Mateo County

Site Description

San Mateo County's location between San Francisco Bay and the Pacific coast make it especially vulnerable to sea level rise. The State of California granted the intertidal resources along the San Mateo County Pacific coast from Pescadero Creek to Bean Hollow in 1893 through the California State Lands Commission to the County of San Mateo. To meet requirements of Assembly Bill No. 691 (AB 691), the County has prepared this sea level rise assessment. The intent of this document is to identify and characterize the impacts of sea level rise to intertidal resources in the State Grant Area, and to provide resources, information, and strategies for adaptation. A comprehensive South Coast Sea Level Rise Vulnerability Assessment and Adaptation Report, which includes Pescadero, will be released in Fall 2022 by San Mateo County. It will provide updated information regarding coastal hazards and adaptation solutions, including nature-based strategies that maintain access to the coast and transportation connectivity.



Granted Land Type:
Jurisdiction with
Recreational Amenities

Public Trust Uses

Primary Uses: Recreation, Public Access, Environmental Stewardship

Secondary Uses:



Coastal Hazards considered:
tidal inundation, shoreline erosion/cliff retreat

Modeling system used for mapping:
in-house

Sea level rise scenarios/elevations
[LINK TO FULL ASSESSMENT](#)

Vulnerable Public Trust Resources

Built Facilities	State park comfort stations, Highway 1, residential land and structures (adjacent to study area), public beach access parking lots: Bean Hollow at Arroyo de los Frijoles, Gazos Creek State Beach, North lot at Pescadero State Beach, and Pomponio State Beach
Natural Assets	State park land, Agricultural or multiuse land, beach and rocky intertidal areas

Other Economic Vulnerabilities

To better quantify the vulnerabilities identified, the table below provides estimates of replacement and repair costs and land at risk from sea level rise, coastal erosion, and tidal inundation. The economic analysis provided estimates for loss in non-market value by recreation type as well as estimates of lost facilities and land. All of the land, structures, and infrastructure analyzed can be overlaid with the sea level rise and erosion hazard zones to quantitatively assess impacts from sea level rise flooding, inundation, and erosion.

Proposed Adaptation and Mitigation Measures

Protect

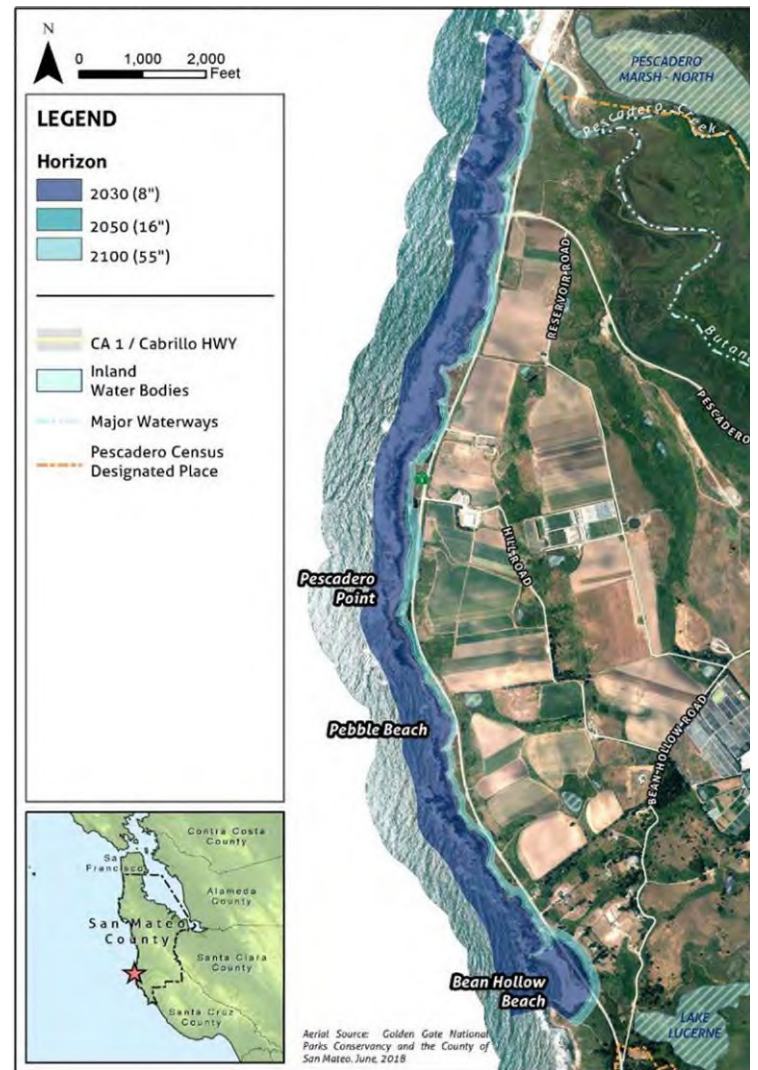
Armoring and rock revetments for Highway 1 areas subject to erosion; periodic sand nourishment and dune restoration.

Accommodate

Realign and maintain coastal access points, with potential realignment of Highway 1, in the future.

Retreat

Relocate parking lots and comfort stations.



Pescadero is unique for AB 691 in the sense that it does not contain any harbor infrastructure and the intertidal land grant consists primarily, if not entirely, of natural resources. Due to San Mateo County being a trustee of multiple legislatively granted public trust lands overseen by the State Lands Commission, San Mateo County was required to submit a Pescadero sea level rise assessment.

Anticipated Costs of Sea Level Rise (millions)*

	Current	2030 (9.6 in.)	2050 (38.4 in.)	2100 (78 in.)
Assets at Risk or Repair and Replacement Costs		\$25.4	\$30.9	\$39.9
Losses in Non-Market Value	\$9.2 †	\$3.6	\$4.6	\$5.0
Cost of Adaptation		\$7.3	\$18.8	\$9.3

* Repair Costs Table 4, p.3-3; Non-market Value Table 8, p. 3-7; Adaptation Costs, Table 9, p. 4-1. The new South Coast Sea Level Rise Vulnerability Assessment and Adaptation Report includes an updated full economic assessment of impacts as well as a cost-benefit analysis of potential adaptation strategies.

† Current value.