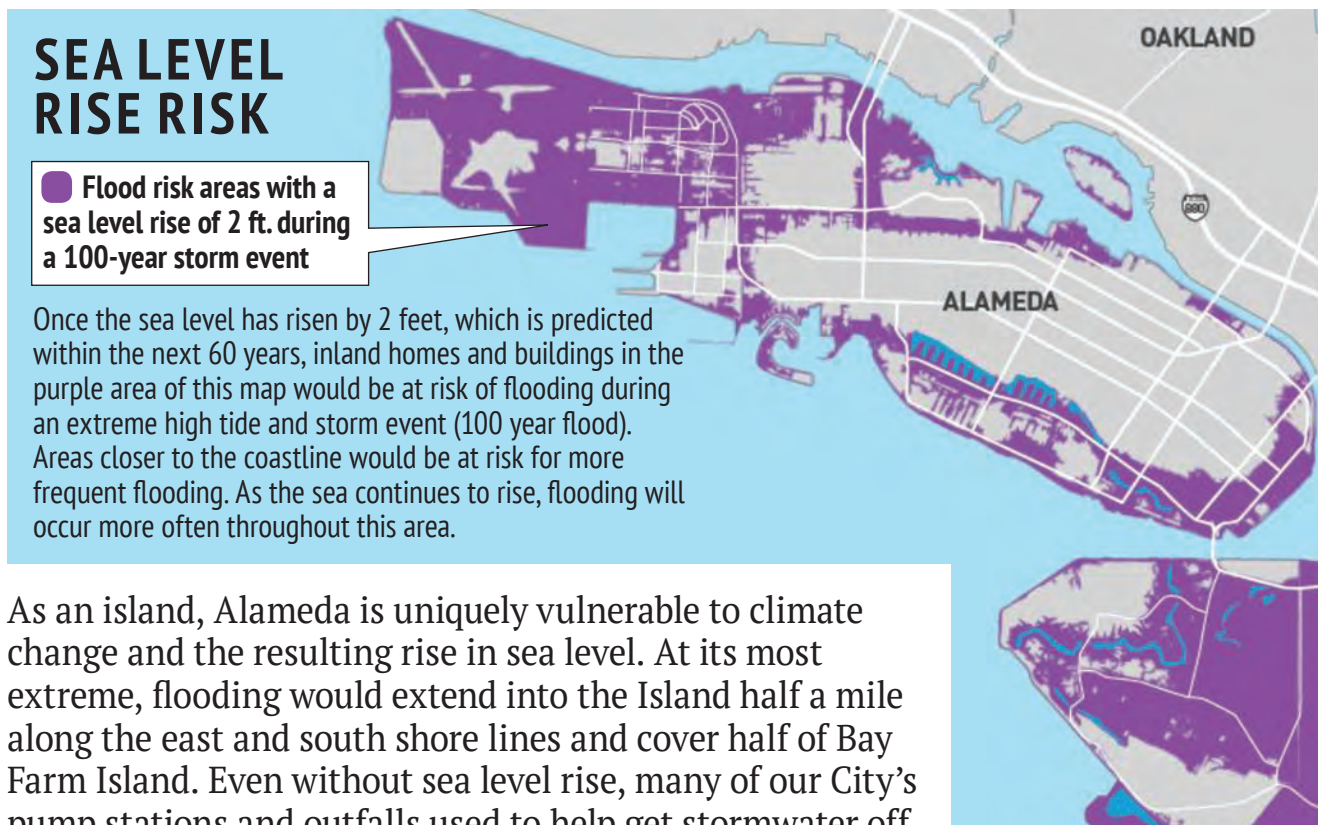




## What is Alameda doing about Sea Level Rise?



### SEA LEVEL RISE RISK

**Flood risk areas with a sea level rise of 2 ft. during a 100-year storm event**

Once the sea level has risen by 2 feet, which is predicted within the next 60 years, inland homes and buildings in the purple area of this map would be at risk of flooding during an extreme high tide and storm event (100 year flood). Areas closer to the coastline would be at risk for more frequent flooding. As the sea continues to rise, flooding will occur more often throughout this area.

As an island, Alameda is uniquely vulnerable to climate change and the resulting rise in sea level. At its most extreme, flooding would extend into the Island half a mile along the east and south shore lines and cover half of Bay Farm Island. Even without sea level rise, many of our City's pump stations and outfalls used to help get stormwater off the Island are well past their useful life or need additional capacity.

This 2017-2019 CIP makes four improvements to better prepare Alameda for the impacts of sea level rise: 1) drainage improvements along Shoreline Drive, 2) backup protection for Veterans Court seawall, 3) designing a FEMA-certified levee at one of the Bay Farm's lagoon outfalls, and 4) developing a funding solution to replace our aged storm drain system.

Alameda Point's proposed improvements are designed to accommodate 24 inches of sea level rise, and will accommodate future measures within a shoreline right of way if the rise exceeds 24 inches. In the event sea level rise exceeds 24 inches, additional infrastructure such as pump stations and multi-purpose basins may be required.

No government—especially the size of Alameda's—can address sea level rise on its own. Instead Alameda must partner across local, state, and federal governments. On that score, the City is working with the Coastal Hazards Adaptation Resiliency Group and Alameda County's Adapting to Rising Tides with its focus on Bay Farm Island; with FEMA for approval of our 2016 Local Hazard Mitigation Plan and pending issuance of revised flood maps; with Alameda County Flood Control District to explore whether this special district may be a part of our future; and the Corps of Engineers to explore funding and solutions for better shoreline protection.