

## Point Bonita to Point Lobos

**County:** Marin

**Risks:** sea level rise, storm surge and tidal flooding, earthquake, aging infrastructure

The Point Bonita to Point Lobos shoal area stretches from Marin to San Francisco. This shallow area allows for a single barrier to protect the entire bay. The Dutch designed North Sea project and Singapore's water reclamation efforts demonstrate a single barrage possibility for the area. It is important to note that increased hydrostatic pressure on surface and subsurface foundations along with large horizontal structures, such as, roads, runways, tennis courts could reduce structural integrity.

The area faces several threats: the San Andreas Fault runs parallel approximately 1 mile to the west and severe storms threaten the area. The barrage could act to reduce weather events by eliminating the concentration of forces generated by the narrowing, funnel effect of the Golden Gate.

This system allows the Bay to remain saline or become a freshwater reservoir with minimum modification. Locks keep shipping and related jobs viable. Bay ecology, accessibility and marine activities remain intact. The barrage could be designed as a roadway to west Marin, but Marin's reluctance to support growth may see this possibility as a negative.