

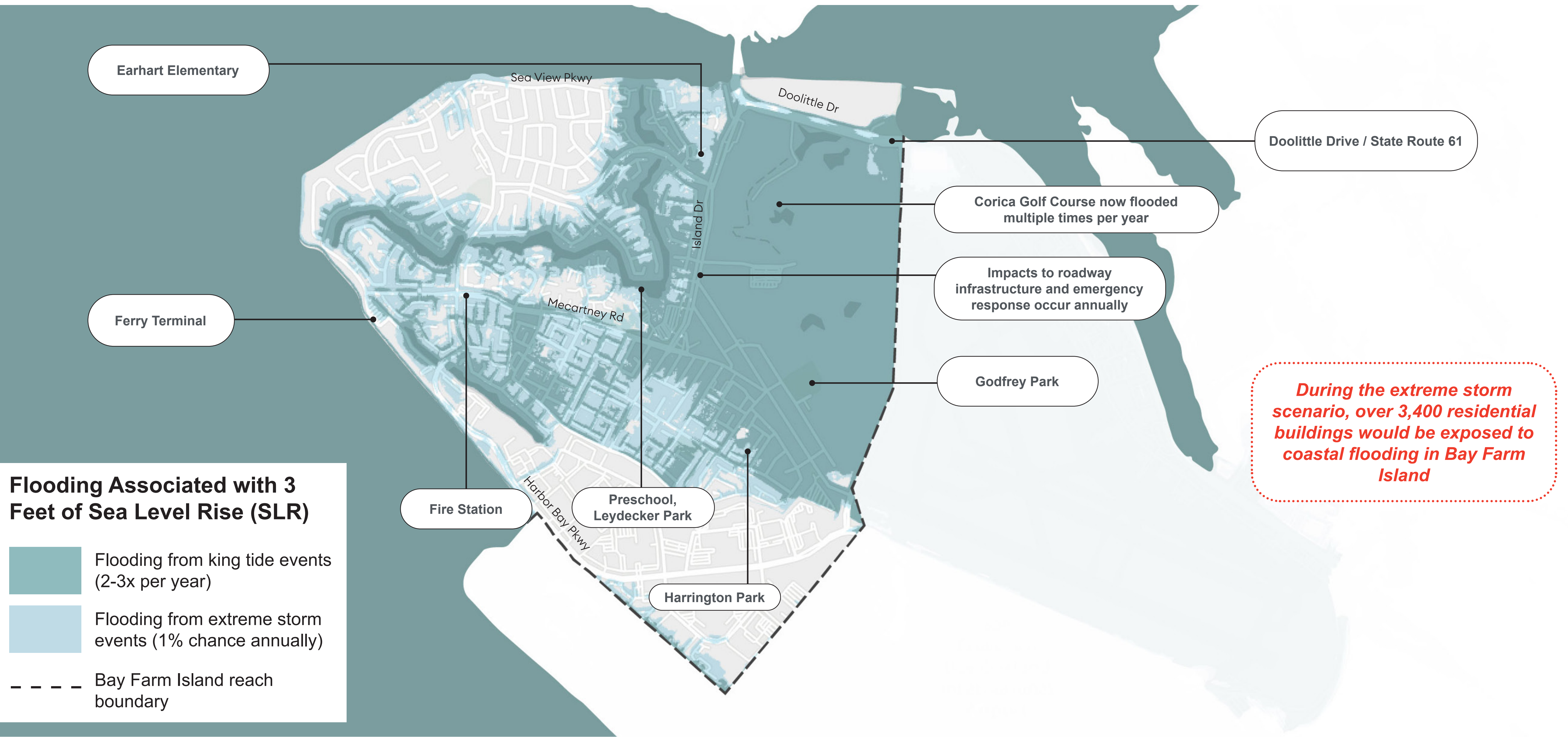
BAY FARM ISLAND

MID- TO LONG-TERM ADAPTATION

3 FEET OF SEA LEVEL RISE: THE ‘DO NOTHING’ ALTERNATIVE (2070-2100)

If adaptation measures are not implemented in the near term, coastal flooding will continue to increase in severity and frequency, with flood impacts to the majority of Bay Farm Island. With 3 feet of sea level rise, low lying areas will be exposed to flooding multiple times per year. Coupled with a severe storm, large stretches of the northern shoreline will be overtopped. Additional flooding from wind-driven waves may also occur. Properties that are not directly exposed to floodwater will experience access/transportation limitations.

*Based on approximate High and Intermediate projections (OPC, OST, and CA Sea Level Rise Task Force 2024) in comparison to a 2000 baseline



MID- TO LONG-TERM ADAPTATION (2070-2100)

Two feet of sea level rise is a critical tipping point for Bay Farm Island. In the near-term, we will be able to adapt along our shoreline, with more modest infrastructural and ecological improvements. Beyond that, bigger changes may be required. Adaptation has the potential to transform the Bay Farm Island shoreline and may include construction of additional flood defenses (such as levees), nature-based features, expansion of lagoon systems, and land use change in certain high risk areas.

