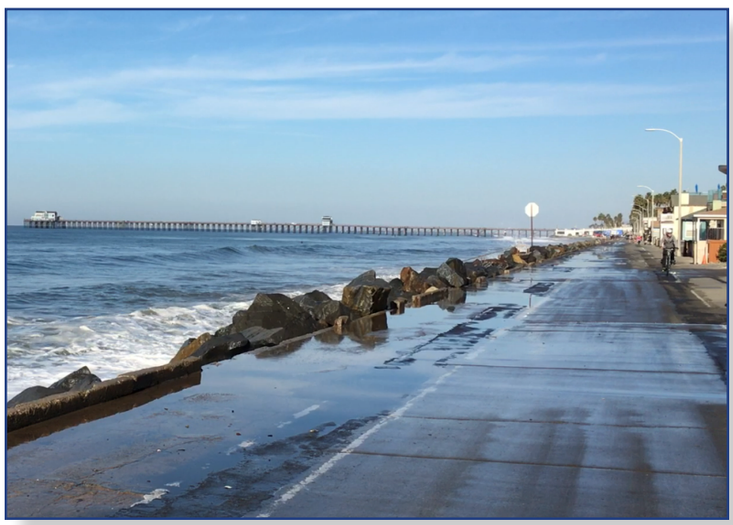
# CITY OF OCEANSIDE

# LOCAL COASTAL PROGRAM UPDATE
## Coastal Hazard Vulnerability Assessment

Oceanside's future is inextricably linked to the fate of its coastline, which is not only one of its greatest assets but also a sensitive and changeable environment that requires careful and proactive management. With the support of the California Coastal Commission and the California Coastal Conservancy, the City has recently embarked on an effort to study and address the long-term needs of its coastline, and we encourage all of those with a vested interest in the City's coastal areas to participate in this effort.



**In late October or early November, the City plans to hold a community workshop to discuss the City's vulnerability to coastal hazards and initiate a public dialogue on possible coastal hazard adapptation strategies.** Please visit the Local Coastal Program Update webpage periodically for updates, or contact Principal Planner Russ Cunningham to be included on the project interested parties list.

In support of the Local Coastal Program (LCP) Update, a draft coastal hazards vulnerability assessment has been prepared. The vulnerability assessment identifies coastal assets at risk of inundation during high tide and storm events and evaluates the sensitivity of these assets to both regular and periodic flooding. The assets identified in the assessment include: basic infrastructure (e.g., roads, water and wastewater utilities, drainage facilities, shoreline protection devices); public amenities (e.g., the Oceanside Small Craft Harbor, public safety facilities, beach restrooms, coastal accessways), private development (both residential and commercial), and the City's three coastal watersheds (San Luis Rey River, Loma Alta Creek, and Buena Vista Lagoon).


The vulnerability assessment utilizes sea level rise projections developed by the National Research Council (NRC) and modeled by the United States Geological Service through the Coastal Storm Modeling System (CoSMoS). Taking into account regional factors that affect sea level, the NRC projects that sea level along the Oceanside coast will rise between 36 and 66 inches by 2100. Applying these sea level rise projections as well as tidal and coastal storm data, the CoSMoS modeling system examines how sea level rise and associated tidal and storm events will likely affect the location of the shoreline, the extent of beach and bluff erosion, and the exposure of coastal assets to inundation and wave action.

The vulnerability assessment provides the basis for the preparation of a coastal hazards adaptation plan. The adaptation plan will outline specific strategies for protecting and adapting coastal resources to sea level rise and associated coastal hazards. It is important that these strategies be mindful of the specific conditions that exist along the City's coastline. The perspectives of coastal residents, business owners, and visitors are key to understanding which coastal adaptation strategies are most appropriate for Oceanside. Interested parties are encouraged to contact Principal Planner Russ Cunningham with their questions and comments on the LCP Update and coastal adaptation strategies: rcunningham@ci.oceanside.ca.us or 760-435-3525.