



EMERALD KEEPERS

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For an Emerald Green, Ocean Blue Coronado



KING TIDES PREVIEW SEA-LEVEL RISE

King tides return to California the mornings of Jan. 11 and 12 and Feb. 9. Mark your calendars to witness the high-water levels that are expected to become the future norm for Coronado. (Be sure to stay out of the water as bacteria counts continue to exceed health standards most days.)

The National Oceanic and Atmospheric Administration (NOAA) describes king tides as naturally occurring, predictable high tides that are one to two feet higher than average. NOAA reports the historical mean high tide for the closest tidal station in San Diego is 4.56 feet, while the upcoming king tides are forecasted up to 7.16 feet.

RISING WATERS

The sea level in San Diego has been rising by 2.2 millimeters (around 1/10 of an inch) per year, but the rate is increasing due to warmer ocean temperatures and melting ice caps caused by climate change. As the average water levels rise, so do the high tides. Today's king tides will

KING TIDE FORECAST		
Date	High Tide	Level
1/11/2024	8:20am	7.15 ft
1/12/2024	9:04am	7.16 ft
2/9/2024	8:14am	7.12 ft

become the average high tide.

RISKS

The City of Coronado's 2021 Community Satisfaction Survey showed 68% of respondents were at least somewhat concerned about sea-level rise in Coronado. The greatest sea-level-rise threats are storms, Santa Ana winds, and king tides that amplify high water levels, damaging property and infrastructure.

The City's 2022 Sea Level Rise Plan identifies vulnerable locations when the sea level rises between 0.8 feet and 4.9 feet, which could occur as soon as 2030. The wider beach and seawall along the Pacific Ocean protect against moderate sea-level rise in most of the western areas of



Coronado. However, select bayside locations are vulnerable to storm flooding even at low levels (0.8ft) of rising waters. These include:

- Coronado Yacht Club and Bluewater Boathouse restaurant
- Coronado Cays
- Alameda Avenue at First Street
- Ferry Landing area

ACTION

The City's Sea Level Rise Adaptation Plan estimates the cost to Coronado from inaction ranges

from approximately \$15 million to \$2.1 billion. The plan outlines near-term priorities and long-term strategies to mitigate damage, including engineering projects, nature-based solutions, and managed retreat, which relinquishes land back to the natural environment.

We can keep sea-level rise to a minimum by reducing emissions that contribute to greenhouse gases and global warming, for an Emerald Green and Ocean Blue Coronado.

SUPPORT EMERALD KEEPERS

Emerald Keepers is a 501(c)(3) non-profit corporation.

