

Sea Level Rise

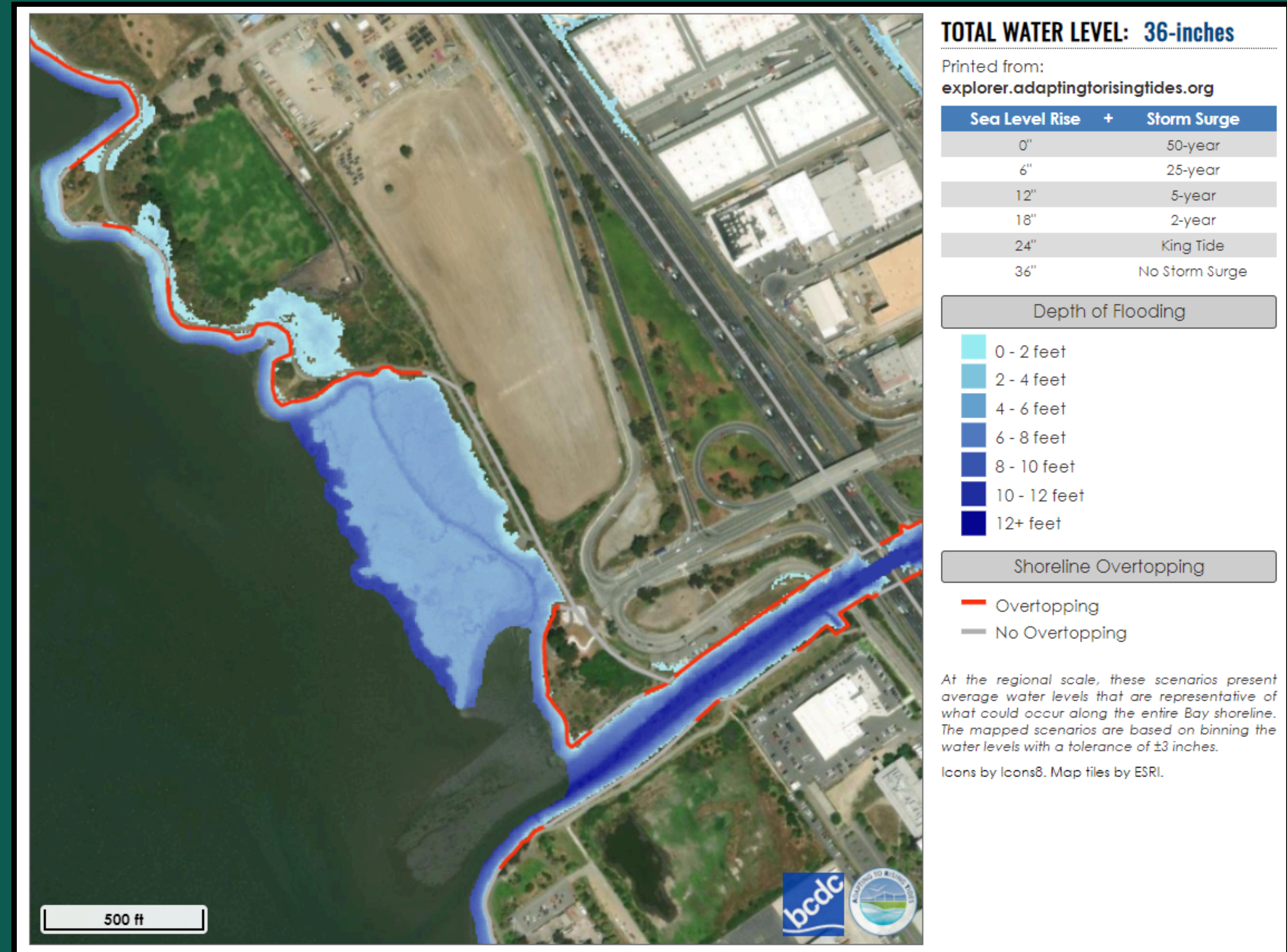
at Sacred Spaces at MLK Shoreline

Damon Marsh, located along the Martin Luther King Jr. Regional Shoreline, is highly vulnerable to sea level rise due to its low elevation. Rising tides, combined with limited sediment supply and increased wave action, threaten the marsh's ecological integrity and could result in **flooding and erosion**. Sea levels are projected to rise between 3.1 to 6.6 feet by 2100.

The map to the right illustrates depth of flooding at the shoreline at 3 feet of sea level rise, causing overtopping of the existing trail and impacting its ability to be used for human recreation.

Sea Level Rise Projections

Flood Map of the MLK Shoreline



A marsh is a type of grassy wetland that is home to important plant and animal species. Protecting and enhancing space for marshes to migrate upland is crucial for the survival of Damon Marsh and its neighboring marshes, so that they can migrate inland as water rises in San Leandro Bay.