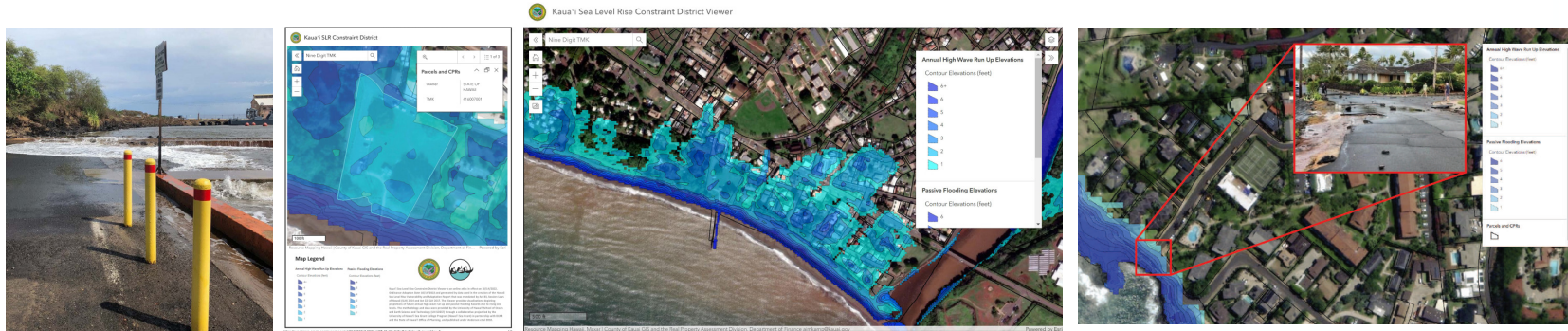


COUNTY OF KAUA'I SEA LEVEL RISE CONSTRAINT DISTRICT



County of Kaua'i, SSFM International
UH Mānoa Climate Resilience Collaborative
Pacific Island Ocean Observing System (PacIOOS)
Hawaii'i Sea Grant, Sea Engineering

As we study and advance our understanding of climate change and its associated impacts, it is increasingly important for government agencies to take proactive measures to enhance community resilience and reduce risks to the built environment. The County of Kauai'i adopted a new Sea Level Rise (SLR) Constraint District within its Comprehensive Zoning Ordinance to do just that, making it the first county in Hawaii'i and among the first in the nation to incorporate scientific modeling for climate change induced hazards into land use regulations.

The SLR Constraint District created a Kauai'i specific Sea Level Rise Viewer and established design standards for new development to mitigate annual high wave run-up and passive flooding associated with future SLR, including requirements for the lowest floor of all new residential construction to be elevated two feet above the highest SLR flood elevation.

The Sea Level Rise Constraint District represents a proactive approach to community resilience that can be used in conjunction with shoreline setback rules and other land use regulations to minimize the threat to public health and safety, promote resilient planning and design, and reduce the expenditure of public monies for costly flood control projects necessitated by accelerating SLR. The Sea Level Rise Constraint District Viewer also provides transparent information for property owners and community members to understand how properties may be impacted by future flooding and what elevation will be required for new construction within the district.

The SLR Constraint District was developed by the County of Kauai'i in collaboration with SSFM International, University of Hawaii'i Climate Resilience Collaborative, Pacific Island Ocean Observing System (PacIOOS), Hawaii'i Sea Grant, and Sea Engineering Inc.