

Wailua, Kauai

HISTORICAL SHORELINES

- Feb 1927 T-sheet
- Nov 1950
- Mar 1972
- Apr 1975
- Jul 1987
- May 1988
- Sept 1992
- May 1992
- Sept 2000
- Feb 2002
- Oct 2007
- Jan 2008

— Erosion rate measurement locations (shore-normal transects)

Historical beach positions, color coded by year, are determined using orthorectified and georeferenced aerial photographs and National Ocean Survey (NOS) topographic survey charts. The low water mark is used as the historical shoreline, or shoreline change reference feature (SCRF).

Movement of the SCRF along shore-normal transects (spaced every 66 ft) is used to calculate erosion rates.

Kuho Highway

Wailua

Lydgate Beach Park

Shoreline Change Rate (ft/yr)

source: UH - SOEST
(mosaic Jim O'Connell, UH Sea Grant Kauai)