## HISTORICAL SHORELINES

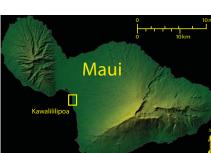
1900		
1912		
Nov	1949	
Oct	1960	
Feb	1963	
Mar	1975	
Jul	1987	
Mar	1988	
Nov	1992	
Мау	1997	

Accretion Rate

## EROSION HAZARD FORECAST LINE



The Erosion Hazard Line is a 50 year forecast of the vegetation line position based on the historical rate of erosion at each transect plus a 20 foot buffer. The thick red band shows the uncertainty of the hazard forecast line at the 95% confidence interval. Erosion hazard forecast lines are shown along the shoreline where historical shorelines indicate erosion. Erosion hazard lines are not shown where the beach has been lost and is now hardened (e.g. seawalls).



shoreline is composed of calcareous sand beach and artificial revetments. The coast is exposed to south swell in summer months and Kona storm

alternating cells of erosion and accretion along the as high as 4.8 ft/yr around transect 552. A small area of erosion at transects 561 - 576, with rates up and 616 - 617 and construction of stone revetments

## 35.5 34.8 34.4 33.0 31.6 33.6 34.0 31.9 30.0 28.9 27.0 NO EROSION NO EROSION NO EROSION NO EROSION NO EROSION NO EROSION NO EROSIOI NO EROSION 0.3 0.4 0.5 0.6 0.8 0.9 1.2 1.3 1.5 1.7 1.9 2.2 2.6 3.0 3.6 4.2 4.7 4.8 4.5 4.5 1.3 5 2.8 1.9 1.1 0.5 0.1 0.0 0.0 0.0 0.0 0.8 0.9 NO EROSION NO EROSIO 33.4 42.1

# Kawililipoa, Maui, Hawaii

