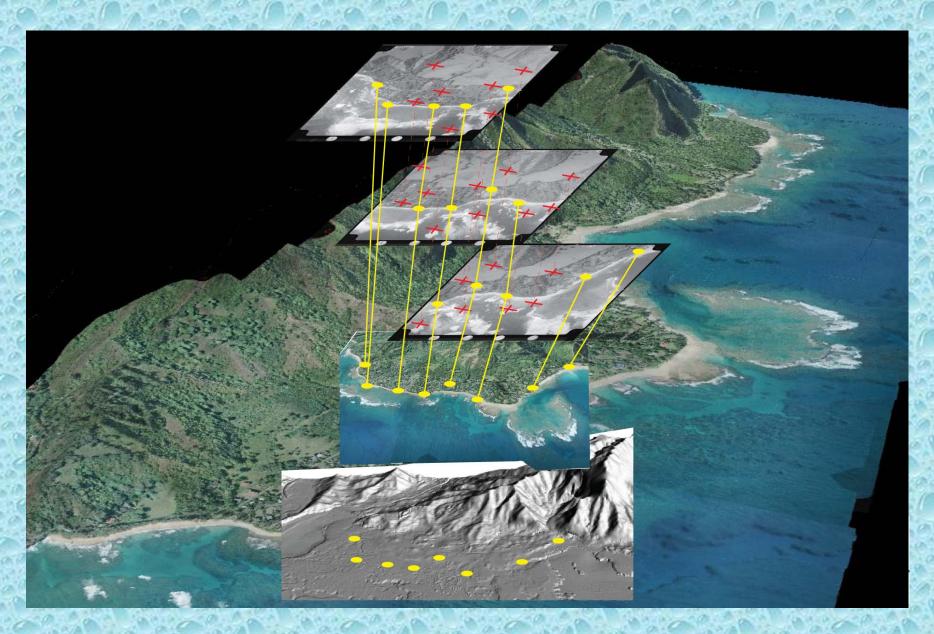
Kihei and North Shore Shoreline Change Studies



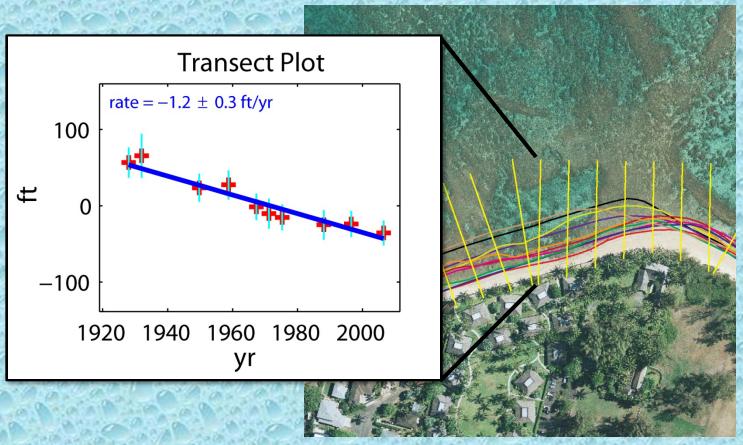
co-sponsored by:



Historical Aerial Photogrammetry



Mapping Historical Shorelines



portion of an aerial photo mosaic

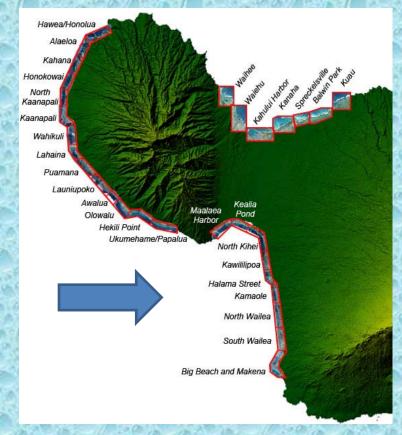


co-sponsored by:



Shoreline change on the Kihei Coast - Updated Mapping



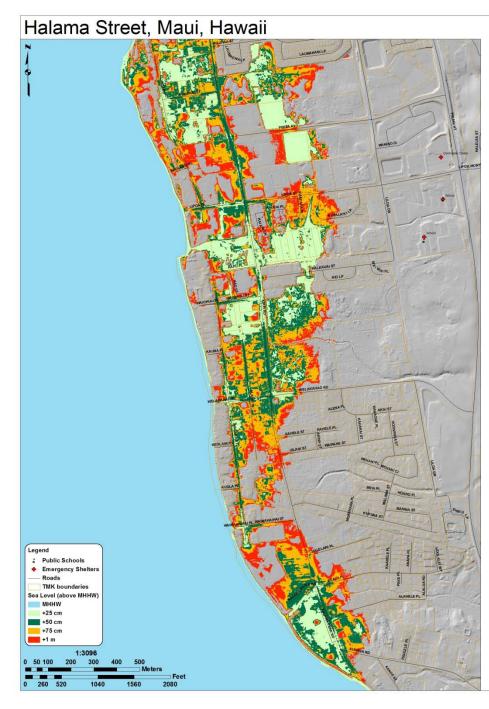




co-sponsored by:



Sea Level Risk and Vulnerability



Summary Stats - Kihei

- # transects: 1011 (~20 km)
 beach loss: 2.1 km (11%)
- Long-term avg. rate: -0.13 +/- 0.01 m/yr
 83% erosional, 16% stable
- Short-term (1940's-) avg. rate: -0.12 +/- 0.02 m/yr 77% erosional, 20% stable



co-sponsored by:



Maalaea Harbor





co-sponsored by:



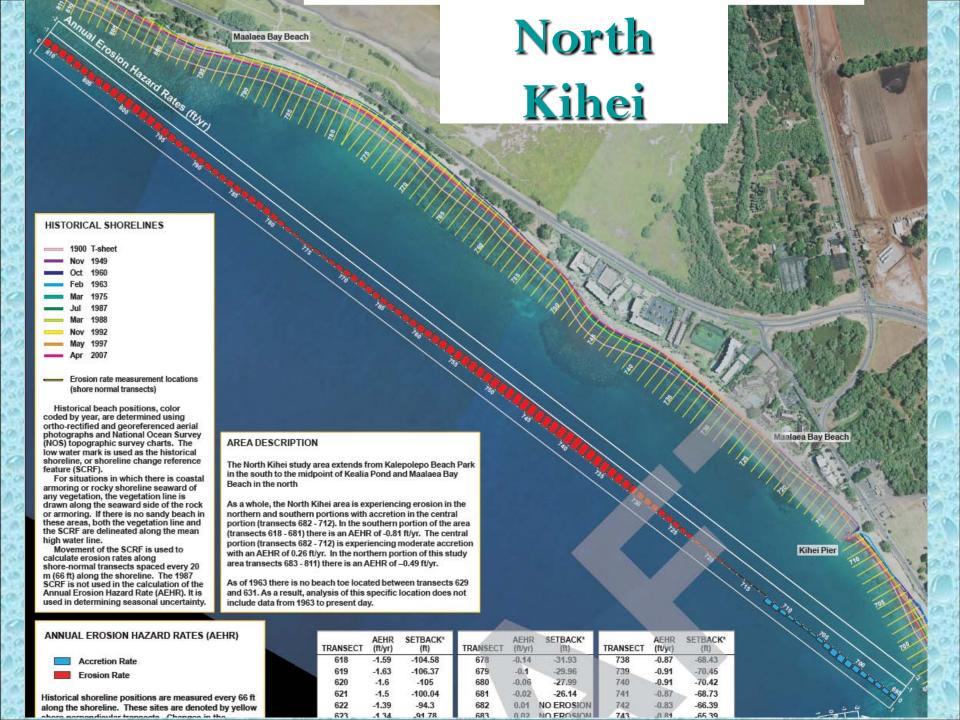
Kealia Pond

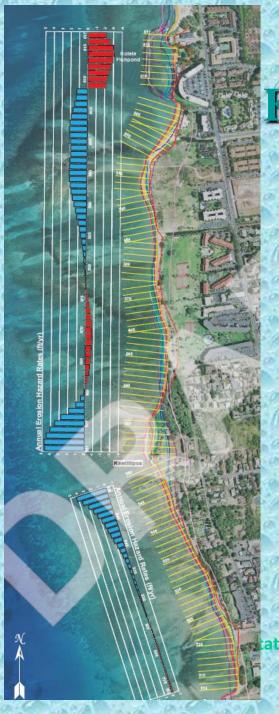




co-sponsored by:







Kawiliilipoa

Halama Street

co-sponsored by:

ate of Hawaii Department of Land and I 2294100m N 1852730" W 764500
US Army Corps of Engineers, Honol





Kamaole

North Wailea

co-sponsored by:

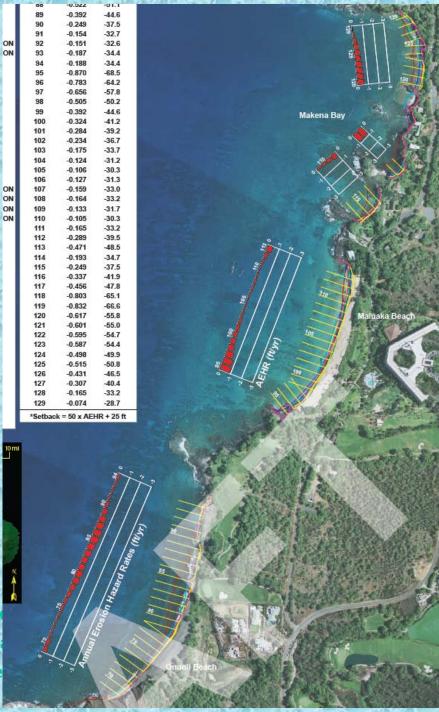




South Wailea

Big Beach

Co-sponsore
State of Hawaii Department of La
US Army Corps of Enginee



Summary Stats - North Shore

- # transects: 903 (~18 km)
 beach loss: 0.9 km (6%)
- Long-term avg. rate: -0.26 +/- 0.02 m/yr
 87% erosional, 12% stable
- Short-term (1940's-) avg. rate: -0.22 +/- 0.03 m/yr 74% erosional, 16% stable



co-sponsored by:



North Shore

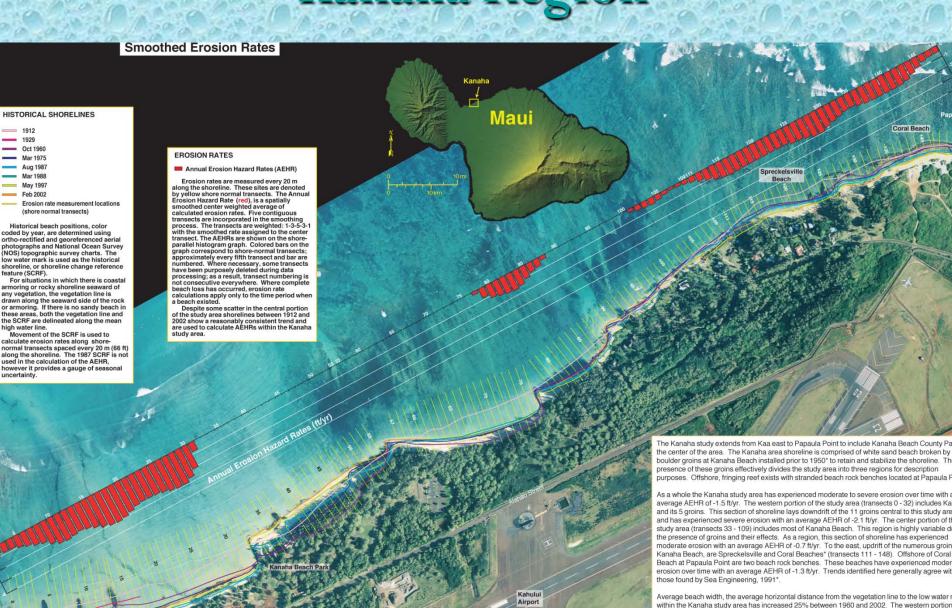




co-sponsored by:



Kanaha Region



the area has experienced an increase of 33% in average beach width, the central portion a 42% increase. The eastern portion of the area has experienced an 10% decrease in average beach

between 1960 and 2002.

Thank You





