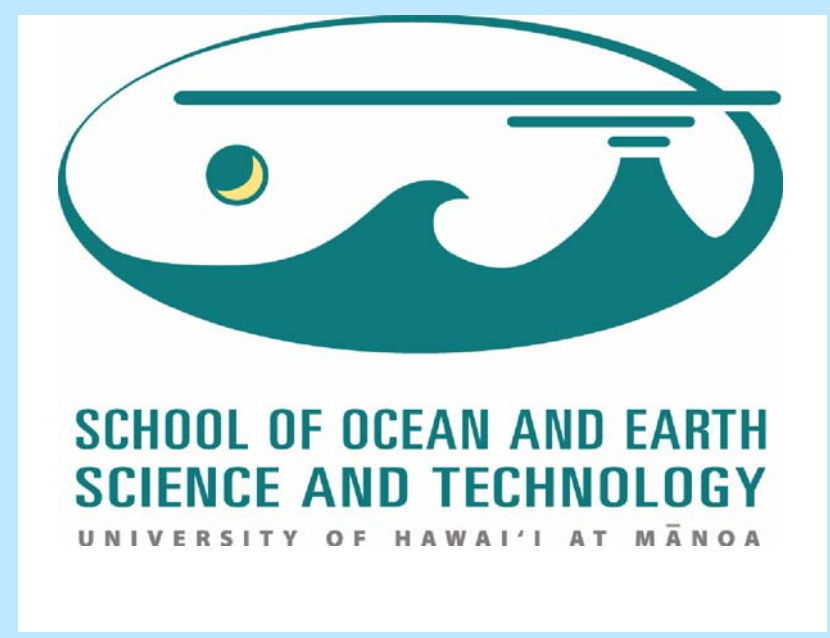


# Kailua, Lanikai, and Waimanalo Reef Top Sand Bodies

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Reef top sand thickness measurements were made with a jet probe, deployed from a small boat, and operated by a researcher on SCUBA. A total of 205 measurements were obtained from 53 distinct sand bodies across the study area.

The jet probe is a small diameter pipe through which a high velocity jet of water displaces sediment, allowing the probe to be pushed into sandy substrate. The probe stops penetrating when it contacts the boundary with solid rock or consolidated sediment. Depth of probe penetration provides a measurement of unconsolidated sediment thickness. The probe length is 3.0 meters.

DATA SUMMARY	VOLUME		THICKNESS	AREA		# of Sand Bodies
	SUM ( $m^3$ )	AVG ( $m^3$ )	AVG (m)	SUM ( $m^2$ )	AVG ( $m^2$ )	
Fossil Fluvial Channel	3,053,360	339,262	0.99	2,132,044	236,884	9
Sand Field	674,694	134,939	0.87	702,054	156,942	5
Karst Depression	4,967,317	127,367	0.79	3,714,234	95,229	39
<b>Total</b>	<b>8,695,371</b>	<b>164,064</b>	<b>0.83</b>	<b>8,695,371</b>	<b>125,105</b>	<b>53</b>

