

**Table 5.13-- WATER QUALITY AT SPECIFIED NEARSHORE AREAS,
HAWAII COUNTY: 1997**

Sampling stations	Number of samples		Enterococcus density <u>2/</u>	Clostridium Perfringens density <u>3/</u>
	1/			
Hilo:				
Coconut Island	11	11	1.64582	1.51428
Exit of Ice Pond	12	12	6.41447	1.40663
Hilo Bay (Canoe Beach)	12	12	5.16420	2.16093
Hilo Bay (Lighthouse)	12	12	6.87218	2.50892
Hilo Bay (Off Shore)	5	5	2.09128	1.24573
Honolii Cove (Ocean)	12	12	15.48770	2.74661
Kapoho Beach Lots #1	12	11	4.49026	1.00000
Keaukaha Beach - 4 Miles	12	11	6.20752	1.25345
Keokea Bay Beach Park	12	11	2.36947	1.54531
Kolekole Gulch (Stream)	12	12	124.03700	4.21603
Laupahoehoe Point (Boat Ramp)	12	11	1.20094	1.30051
Leleiwi Beach Park	12	11	10.33730	2.15301
Onekahakaha Beach (Swimming Area)	12	11	1.46281	1.77174
Pohoiki	12	11	3.93488	2.69684
Pualaa Beach Park	12	11	10.58140	2.19879
Puhi Bay #2	12	11	2.25490	1.13431
Puhi Bay #3	12	11	2.13055	1.06504
Richardson Ocean Center	12	11	2.87428	1.41349
Richardson Center (Hilo Side Beach)	12	11	6.10418	1.13431
Vacationland	12	11	1.32768	1.06504
Wailoa River (Boat Ramp)	12	12	10.08620	4.03565
Kona:				
Anaehoomalu Bay	12	11	1.42816	1.00000
Banyan's Surfing Area	13	12	7.76014	4.59785
Hapuna Beach	13	12	1.54591	1.22119
Honaunau Bay (City of Refuge)	12	11	4.49076	2.58418
Honuapo Landing	9	8	1.87614	1.66828
Kahaluu Beach	12	11	3.32553	1.45948
Kailua Pier Station A	12	11	4.32839	3.88800
Kailua Pier Station A-1	12	11	2.06602	1.00000
Kailua Pier Station D	11	10	1.99055	2.41400
Kauhako Bay - Hookena	11	10	2.28848	1.87182

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Sampling stations	Number of samples		Enterococcus density <u>2/</u>	Clostridium Perfringens density <u>3/</u>
	<u>1/</u>	<u>1/</u>		
Kawaihae Harbor	11	10	2.04098	1.28209
Kawaihae Harbor Pier	13	12	1.99055	1.23007
Kealakekua Bay (Off Canoe Landing)	11	10	1.88309	1.00000
Kealakekua Bay (Off Curio Stand)	11	10	1.28666	1.31951
Keauhou Bay	12	11	2.12001	1.33498
Kona Hilton (Shoreline)	12	11	2.12336	1.00000
Magic Sands Beach	12	11	1.00000	1.00000
Mahukona Landing	12	11	1.74732	1.17690
Mauna Kea Beach Hotel (Beach)	12	11	1.38071	1.10503
Milolii	10	9	1.37411	2.22638
Puako Beach Lots (Boat Ramp)	12	11	2.03243	1.48939
Puako Beach Lots (Far End of Lot)	12	11	1.77407	1.20809
Puako Beach Lots (Middle of Lot)	12	11	2.13702	1.26260
Punaluu	8	7	1.09051	1.10409
Spencer Beach Park	12	11	5.68415	2.45201

1/ First number Enterococcus samples, second number Clostridium perfringens samples.

2/ Geometric mean, number per 100 ml. The geometric mean standard for enterococci density is 7 per 100 ml.

3/ Clostridium perfringens is being proposed as an additional indicator organism. The proposed standard is dependent upon the salinity of the water sampled. A salinity of greater than 32 parts per thousand would correspond to a median standard of 5 per 100 ml; and a salinity of 0 to 32 parts per thousand would correspond to a median standard of 50 per 100 ml.

Source: Hawaii State Department of Health, Clean Water Branch, records.