

GROUND-WATER LEVELS

HAWAII, ISLAND OF KAUAI

220133159242001. Local number, 2-0124-01. Northeast Kilohana monitor well.

LOCATION.--Lat 22°01', long 159°24', Old Hawaiian Datum, Hydrologic unit 20070000, 3.7 mi northwest of Lihue, and 3.8 mi west of the nearest shoreline.

AQUIFER.--Koloa Volcanics, Pliocene to Pleistocene age.

WELL CHARACTERISTICS.--Drilled well, depth 1,033 ft, 10-in. solid steel outer casing: 0-161 ft; 4-in. solid steel casing: 0-80 ft; 4-in. alternating perforated/solid steel casing: 80-1,032 ft; annular space grouted: 0-160 ft; annular space open: 160-726 ft.

DATUM.--Elevation of land-surface datum is 466 ft. Measuring point is the top of 4-in. well casing, 467.12 ft above mean sea level.

PERIOD OF RECORD.--Water level: occasional measurements, started in November 1996. Continuous water level recorder, December 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 388.31 ft above mean sea level, May 19, 1998; lowest static water level measured, 368.10 ft above mean sea level, October 27, 1998. Lowest water level measured, 332.98 ft above sea level when nearby pump was running on Mar. 4, 2002.

REMARKS.--Well part of a network of observation wells in cooperation with the County of Kauai Department of Water. Water level affected by drilling of nearby well after August 2001.

WATER LEVEL, IN FEET RELATIVE TO MEAN SEA LEVEL  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381.07	380.36	379.49	381.15	380.85	382.00	383.08	381.23	380.76	380.88	378.75	378.18
2	380.98	380.21	379.50	381.23	380.86	381.97	383.05	381.37	380.71	380.80	378.71	378.21
3	380.93	380.05	379.47	381.24	380.88	381.96	383.03	381.48	380.61	380.75	378.74	378.22
4	380.93	379.89	379.51	381.19	380.86	381.97	383.02	381.56	380.50	380.72	378.89	378.18
5	380.92	379.75	379.62	381.08	380.85	381.99	383.01	381.63	380.43	380.68	379.18	378.21
6	380.92	379.74	379.83	381.05	380.87	382.02	382.99	381.67	380.38	380.62	379.29	378.23
7	380.97	379.81	380.04	381.03	380.95	382.08	382.98	381.66	380.36	380.55	379.34	378.20
8	381.03	379.85	380.35	381.06	381.05	382.17	382.92	381.67	380.45	380.51	379.36	378.12
9	381.10	379.84	380.63	381.04	381.08	382.29	382.80	381.64	380.64	380.47	379.40	377.99
10	381.19	379.78	380.80	380.96	381.07	382.38	382.70	381.58	380.88	380.39	379.43	377.87
11	381.26	379.74	380.97	380.95	381.08	382.41	382.65	381.51	381.11	380.31	379.44	377.76
12	381.36	379.70	381.12	380.92	381.07	382.44	382.59	381.50	381.32	380.26	379.44	377.64
13	381.49	379.66	381.21	380.87	381.09	382.45	382.52	381.58	381.46	380.22	379.41	377.52
14	381.64	379.60	381.30	380.89	381.15	382.46	382.43	381.63	381.63	380.17	379.32	377.45
15	381.78	379.55	381.38	380.76	381.11	382.50	382.30	381.60	381.73	380.14	379.21	377.39
16	381.84	379.54	381.49	380.66	381.01	382.54	382.18	381.56	381.78	380.12	379.13	377.35
17	381.83	379.53	381.50	380.58	380.98	382.58	382.04	381.57	381.76	380.04	379.02	377.32
18	381.79	379.51	381.46	380.45	380.90	382.65	381.93	381.54	381.72	379.99	378.85	377.28
19	381.74	379.48	381.41	380.26	380.84	382.69	381.85	381.50	381.72	379.94	378.64	377.30
20	381.65	379.50	381.40	380.11	380.81	382.62	381.81	381.41	381.73	379.87	378.44	377.39
21	381.54	379.53	381.39	380.00	380.77	382.54	381.77	381.31	381.72	379.80	378.28	377.45
22	381.45	379.49	381.33	380.05	380.71	382.57	381.66	381.25	381.71	379.74	378.14	377.52
23	381.33	379.47	381.29	380.32	380.65	382.62	381.54	381.23	381.68	379.68	377.99	377.63
24	381.19	379.44	381.25	380.55	380.65	382.67	381.46	381.18	381.61	379.58	377.84	377.77
25	381.02	379.43	381.20	380.67	380.70	382.75	381.40	381.10	381.54	379.44	377.69	377.88
26	380.84	379.37	381.16	380.72	380.83	382.89	381.29	381.04	381.46	379.32	377.70	377.97
27	380.71	379.26	381.17	380.72	381.40	382.97	381.15	381.02	381.35	379.24	377.87	378.01
28	380.64	379.13	381.19	380.72	381.88	382.97	381.01	380.98	381.21	379.13	377.99	378.03
29	380.56	379.11	381.09	380.75	381.99	382.97	381.02	380.91	381.10	378.99	378.08	378.06
30	380.54	379.23	381.02	380.80	---	383.02	381.11	380.82	380.99	378.91	378.16	378.08
31	380.47	---	381.03	380.85	---	383.07	---	380.77	---	378.83	378.17	---
MEAN	381.18	379.62	380.83	380.76	381.00	382.49	382.18	381.37	381.20	380.00	378.71	377.81
MAX	381.84	380.36	381.50	381.24	381.99	383.07	383.08	381.67	381.78	380.88	379.44	378.23
MIN	380.47	379.11	379.47	380.00	380.65	381.96	381.01	380.77	380.36	378.83	377.69	377.28

