

GROUND-WATER LEVELS

HAWAII, ISLAND OF KAUAI

220051159231801. Local number 2-0023-01. Pukaki Reservoir monitor well, Kauai.

LOCATION.--Lat 22°01', long 159°23', Old Hawaiian Datum, Hydrologic Unit 20070000, 2.5 mi northwest of Lihue, and 2.8 mi west of the nearest shoreline.

AQUIFER.--Koloa Volcanics and Waimea Canyon Basalt, Miocene to Pleistocene age.

WELL CHARACTERISTICS.--Drilled well, depth 1,590 ft; 10-in. solid steel outer casing: 0-156 ft, annular space grouted: 0-156 ft, open hole: 156 ft to bottom. Well deepened in 2002 from 1,147 to 1,590 ft.

DATUM.--Elevation of land-surface datum is 319 ft. Measuring point is the top of 10-in. well casing, 320.12 ft above mean sea level.

PERIOD OF RECORD.--Water-level: occasional measurements, November 1996 to December 1999. Continuous water-level recorder, December 1999 to October 2001. Occasional measurements October 2001 to December 2002. Continuous water-level recorder, January 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 193.13 ft above mean sea level, May 14, 2004; lowest water level measured, 163.85 ft above mean sea level, November 14, 1996.

REMARKS.--Well part of a network of observation wells in cooperation with the County of Kauai, Department of Water.

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	191.95	191.93	191.96	192.15	192.32	192.79	192.89	192.99	192.89	192.58	192.18	192.29
2	191.93	191.89	191.93	192.15	192.34	192.72	192.88	192.96	192.89	192.58	192.17	192.30
3	191.92	191.87	191.92	192.13	192.36	192.66	192.89	192.94	192.86	192.57	192.22	192.29
4	191.91	191.87	191.95	192.08	192.36	192.65	192.91	192.96	192.80	192.57	192.31	192.26
5	191.90	191.87	191.97	191.99	192.34	192.64	192.93	193.00	192.78	192.59	192.33	192.28
6	191.87	191.85	191.98	191.97	192.36	192.63	192.93	193.04	192.78	192.58	192.33	192.30
7	191.88	191.82	192.02	191.97	192.40	192.64	192.95	193.04	192.77	192.55	192.34	192.29
8	191.89	191.80	192.02	192.00	192.42	192.65	192.94	193.05	192.77	192.53	192.33	192.27
9	191.89	191.78	192.02	192.01	192.42	192.69	192.91	193.10	192.77	192.52	192.37	192.24
10	191.89	191.76	192.00	191.98	192.41	192.75	192.87	193.06	192.76	192.49	192.46	192.22
11	191.89	191.75	191.97	192.01	192.40	192.73	192.88	193.02	192.76	192.45	192.46	192.21
12	191.88	191.74	191.97	192.02	192.39	192.72	192.91	193.05	192.78	192.42	192.46	192.21
13	191.87	191.73	191.95	192.01	192.39	192.72	192.93	193.09	192.76	192.42	192.46	192.20
14	191.87	191.71	191.96	192.07	192.43	192.69	192.93	193.11	192.75	192.40	192.44	192.20
15	191.89	191.82	191.98	191.98	192.41	192.71	192.90	193.09	192.74	192.40	192.42	192.20
16	191.90	191.90	192.02	191.95	192.35	192.73	192.89	193.06	192.75	192.40	192.44	192.19
17	191.88	191.90	192.00	191.96	192.35	192.76	192.86	193.08	192.74	192.37	192.45	192.18
18	191.88	191.88	191.97	191.97	192.31	192.82	192.85	193.07	192.73	192.35	192.43	---
19	191.89	191.87	191.94	191.94	192.29	192.84	192.90	193.05	192.74	192.33	192.39	---
20	191.88	191.88	191.95	191.92	192.29	192.83	192.95	193.01	192.73	192.30	192.33	---
21	191.87	191.90	191.95	191.91	192.29	192.78	192.98	192.96	192.73	192.29	192.33	---
22	191.86	191.90	191.93	192.02	192.29	192.78	192.97	192.96	192.74	192.28	192.33	---
23	191.88	191.91	191.93	192.15	192.30	192.79	192.96	192.96	192.73	192.27	192.33	---
24	191.89	191.92	191.92	192.17	192.31	192.80	193.00	192.95	192.70	192.26	192.34	---
25	191.88	191.94	191.92	192.21	192.31	192.80	193.03	192.91	192.67	192.23	192.34	---
26	191.87	191.91	191.92	192.24	192.40	192.84	193.04	192.90	192.67	192.21	192.32	---
27	191.89	191.84	191.96	192.24	192.74	192.85	193.01	192.94	192.64	192.24	192.31	---
28	191.95	191.75	192.03	192.23	192.84	192.84	192.99	192.94	192.62	192.24	192.31	---
29	191.97	191.74	192.01	192.25	192.83	192.84	192.99	192.91	192.62	192.22	192.30	---
30	191.98	191.87	192.00	192.28	---	192.86	192.98	192.88	192.60	192.21	192.32	---
31	191.96	---	192.05	192.32	---	192.88	---	192.87	---	192.20	192.31	---
MEAN	191.90	191.84	191.97	192.07	192.40	192.76	192.94	193.00	192.74	192.39	192.35	---
MAX	191.98	191.94	192.05	192.32	192.84	192.88	193.04	193.11	192.89	192.59	192.46	---
MIN	191.86	191.71	191.92	191.91	192.29	192.63	192.85	192.87	192.60	192.20	192.17	---

