

GROUND-WATER LEVELS

1

HAWAII, ISLAND OF OAHU

212927158014801. Local number and name, 3-2901-07 Schofield Shaft, Oahu.

LOCATION.--Lat 21°29', long 158°02', Old Hawaiian Datum, Hydrologic Unit 20060000, across the main gate of Wheeler Air Force Base, and 1,200 ft south of Wahiawa bridge on Kaukonahua Stream.

AQUIFER.--Koolau Basalt, Pliocene to Pleistocene age.

WELL CHARACTERISTICS.--Dug high-level water-table well, size 8 ft. x 8 ft., length of 30-degree inclined shaft 1,148 ft.

DATUM.--Elevation of land-surface datum is 850 ft. Measuring point is top of 2-inch pipe for float tape cable (cap removed) 287.16 ft. above mean sea level.

REMARKS.--Maximum daily water levels are published due to the fluctuations in the water level caused by pumping.

PERIOD OF RECORD.-- Water level: water-level recorder, November 1938 to current year. Water quality: occasional measurements, 1966-72, 1975 to current year.

REVISED RECORDS.--WDR HI-99-1: Elevation of land-surface datum and measuring point. WDR HI-99-1: (m) based on non-pumping values.

EXTREMES FOR PERIOD OF RECORD (Non-pumping values).--Highest water level measured, 284.40 ft above mean sea level, May 12, 1969; lowest measured, 270.82 ft above mean sea level, May 1, 1985.

WATER LEVEL, IN FEET RELATIVE TO MEAN SEA LEVEL

WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MAXIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	271.89	---	---	---	---	---	272.17	272.76	273.31	273.87	274.28	274.70
2	271.34	---	---	---	---	---	272.17	272.77	273.31	273.91	274.37	274.78
3	271.34	---	---	---	---	---	272.20	272.82	273.37	273.93	274.44	274.76
4	271.38	---	---	---	---	---	272.21	272.87	273.22	273.99	274.43	274.72
5	271.35	---	---	---	---	---	272.22	272.90	273.35	274.01	274.44	274.78
6	271.71	---	---	---	---	---	272.26	272.91	273.42	273.99	274.52	274.82
7	271.80	---	---	---	---	---	272.29	272.95	273.44	273.97	274.50	274.78
8	271.88	---	---	---	---	---	272.29	272.96	273.46	274.04	274.49	274.78
9	271.83	---	---	---	---	---	272.26	272.95	273.40	274.05	274.47	274.82
10	271.85	---	---	---	---	---	272.29	272.95	273.48	274.04	274.47	274.79
11	271.86	---	---	---	---	---	272.33	272.67	273.51	274.04	274.50	274.82
12	271.83	---	---	---	---	---	272.65	272.68	273.56	274.04	274.50	274.83
13	271.83	---	---	---	---	---	272.60	272.73	273.56	274.04	274.55	274.75
14	271.71	---	---	---	---	---	272.62	272.74	273.54	274.14	274.53	274.85
15	271.85	---	---	---	---	---	272.62	272.76	273.60	274.17	274.45	274.87
16	271.86	---	---	---	---	---	272.62	272.78	273.62	274.19	274.58	274.88
17	271.86	---	---	---	---	271.63	272.62	273.10	273.62	274.10	274.50	274.93
18	271.86	---	---	---	---	271.66	272.64	273.10	273.63	274.08	274.52	274.83
19	271.89	---	---	---	---	271.69	272.69	273.13	273.68	274.08	274.13	274.93
20	271.83	---	---	---	---	271.65	272.73	273.09	273.68	274.11	274.13	274.89
21	271.83	---	---	---	---	271.63	272.77	273.11	273.69	274.13	274.19	274.91
22	271.86	---	---	---	---	271.67	272.74	273.14	273.63	274.15	274.19	274.97
23	271.80	---	---	---	---	271.69	272.76	273.17	273.65	274.17	274.58	274.99
24	---	---	---	---	---	271.70	272.77	273.21	273.77	274.17	274.55	274.99
25	---	---	---	---	---	271.72	272.76	273.14	273.69	274.15	274.55	275.03
26	---	---	---	---	---	271.74	272.80	273.16	273.75	274.25	274.61	275.06
27	---	---	---	---	---	271.77	272.82	273.19	273.81	274.15	274.64	275.02
28	---	---	---	---	---	271.77	272.74	273.20	273.75	274.14	274.65	275.02
29	---	---	---	---	---	272.12	272.75	273.20	273.84	274.17	274.70	274.99
30	---	---	---	---	---	272.15	272.75	273.19	273.87	274.19	274.69	275.02
31	---	---	---	---	---	272.15	---	273.26	---	274.32	274.73	---
MEAN	---	---	---	---	---	---	272.54	272.99	273.57	274.09	274.48	274.88
MAX	---	---	---	---	---	---	272.82	273.26	273.87	274.32	274.73	275.06
MIN	---	---	---	---	---	---	272.17	272.67	273.22	273.87	274.13	274.70

GROUND-WATER LEVELS
HAWAII, ISLAND OF OAHU—Continued

NON-PUMPING VALUES

DATE	WATER LEVEL (ft)
OCT 1	271.89
NOV 3	271.80
NOV 12	271.86
DEC 1	271.88
JAN 7	271.80
FEB 1	271.88
MAR 1	271.98
APR 5	272.22
MAY 3	272.82
JUN 1	273.31
JUL 1	273.87
AUG 2	274.32
SEP 1	274.70
OCT 1	275.03
OCT 13	275.20

Note: Non-pumping water levels are measured after all pumps in the pump chamber are turned off for 2 hours.

