

GROUND-WATER LEVELS

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HAWAII, ISLAND OF OAHU

212046157531401. Local number and name, 3-2053-10, Fort Shafter Well, Oahu.

LOCATION.--Lat 21°21', long 157°53', Old Hawaiian Datum, Hydrologic Unit 20060000, in Fort Shafter, about 1,000 ft east of Buckner Gate, and 100 ft north of Fort Shafter Elementary School.

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

WELL CHARACTERISTICS.--Drilled well, depth 279 ft, 12-in. casing diameter, cased to 169 ft.

DATUM.--Elevation of land-surface datum is 20 ft. Measuring point is a chiseled "1 1" on top of 8-inch casing (flange removed), at south end of pump house (Bldg. 509), 24.90 ft above mean sea level.

REMARKS.--Prior to January 2000, unpublished records are available in files of USGS Hawaii District office.

PERIOD OF RECORD.--Occasional water quality measurements, December 1915 to November 1972. Occasional water level measurements, December 1915 to September 1931, January 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.82 ft above mean sea level, April 1917; lowest measured, 16.67 ft above mean sea level, September 03, 2003 and October 1, 2003.

WATER LEVEL, IN FEET, RELATIVE TO MEAN SEA LEVEL, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DATE	WATER LEVEL										
OCT 01	19.08	DEC 10	19.57	FEB 09	20.51	APR 05	20.35	JUN 02	19.78	AUG 05	19.36
NOV 05	19.26	JAN 05	20.07	MAR 02	20.31	MAY 03	20.04	JUL 05	19.55	SEP 06	19.11