



Water-Data Report 2006

221150159264501 Local number 2-1126-01, Princeville W-1, Kauai, HI

Hawaii volcanic-rock aquifers
Kauai County, HI

LOCATION.--Lat 22°11'50", long 159°26'45" referenced to Old Hawaiian Datum, Kauai County, HI, Hydrologic Unit 20070000, 1.2 mi south of Princeville Airport terminal, and 4.0 mi east southeast of Puupoa Point.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled water-table well, depth 763 ft; 14-in. casing diameter, cased to 435 ft.

DATUM.--Elevation of land-surface datum is 349 ft above mean sea level. Measuring point is the top of 3/4-in. pipe, in 1-in. hole on south side of pump base, after removing airline connection, 349.88 ft above mean sea level.

PERIOD OF RECORD.--Water level: occasional measurements, 1972 to current year. Water quality: occasional measurements, 1977 to 2002.

REVISED RECORDS.--WDR HI-94-1: 1988-93 (minimum water level for period of record).

REMARKS.--Water used for public supply and irrigation of golf course. Water level affected by pumping and by nearby well.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.36 ft above mean sea level, June 3, 1974; lowest water level measured, 4.12 ft below mean sea level, November 17, 1992, lowest water level measured with pump on, 10.30 ft below mean sea level, June 2, 1983.

**WATER SURFACE ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

[Measurement method: S, steel tape; Water-level status: R, site had been pumped recently]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 6	11.15	S	R	Apr 6	11.38	S	R
Dec 2	12.13	S	R	Jun 16	8.64	S	R
Feb 7	10.38	S	R	Aug 4	6.03	S	R

Record available from Jun 6, 1973, to Aug 4, 2006; 209 entries