

132626144471771 Local number EX-4 Mangilao, Guam

LOCATION.--Lat 13°26'29.7", long -144°47'24.1" referenced to North American Datum of 1983.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled basal groundwater monitoring well. Well diameter 8 inches. Casing material PVC. Casing diameter 6 inches. Sounded depth of well 390 feet (2006). Drilled depth of well 400 feet.

DATUM.--Land-surface datum is 94 ft above mean sea level. Measuring point: top of PVC casing, marked, 94.90 feet above mean sea, and MP steel casing, 96.75 feet above mean sea level.

PERIOD OF RECORD.--Water-level - Occasional measurements, March 1981 to June 1991, January 1993 to May 1993, March 1995, January 1996, April 2000 to current year. Water-Level Continuous Record--June 2010 to January 2011 as part of the Guam Groundwater Availability Study.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 8.39 feet above mean sea level, December 13, 1990; lowest water level measured, 4.78 feet above mean sea level, July 17, 1990.

**WATER SURFACE ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 14	6.47	S	--	Jul 22	5.86	S	--

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

Specific-conductance profiles using a conductivity-temperature-pressure sensor (CTD): 2000 to present. Unpublished records available upon request.

Discrete-depth sampling, analysis for specific conductance and chloride concentration: 1981-1989. Unpublished records available upon request.

Fluid-resistivity profiles: 1981 to 1984. Unpublished records available upon request.

INSTRUMENTATION.--Water-quality monitor with recorder set to approximately 1-second recording interval. Monitor is trolled over the total depth of the well.

REMARKS.--Two specific-conductance profiles were measured during the water year 2013.

The CTD specific-conductance measurements are checked against standards. The specific-conductance measurements in the profiles have not been adjusted based on the check measurements, however, the data are available to make adjustments.

Depth is measured using a combination of a marked and calibrated cable and pressure readings from the CTD.

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