



Water-Data Report 2011

180039066473700 Local number 1368. Mercado 5 Well, Guayanilla, PR

Other aquifers
Guayanilla Alluvial Aquifer

Guayanilla Municipio, PR

LOCATION.--Lat 18°00'41.6", long 66°47'39.5" referenced to North American Datum of 1927, Guayanilla Municipio, PR, Hydrologic Unit 21010004, 0.13 mi (0.21 km) west of Mario Mercado School, 0.13 mi (0.22 km) south of Central Rufina, and 0.65 mi (1.04 km) south of the Guayanilla Municipal Cemetery; Name: Mercado 5 Well, Guayanilla, PR.

GROUNDWATER RECORDS

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929. Measuring point: 1 ½ IN. GALVANIZED PIPE (OPEN), 2.47 ft above land-surface datum, January 24, 2007, to present.

PERIOD OF RECORD.--1919, and January 24, 2007 to current year.

REMARKS.--Active agricultural well.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.50 ft (1.68 m), below land-surface datum, September 13, 2011; lowest water level recorded, 22.22 ft (6.77 m), below land-surface datum, July 21, 2008.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 5.50 ft (1.68 m), below land-surface datum, September 13; lowest water level measured, 15.81 ft (4.82 m), below land-surface datum, April 29.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

[Measurement method: S, steel tape; T, electric tape. Water-level status: R, site had been pumped recently; X, level affected by stage in nearby surface-water site; S, nearby site that taps the same aquifer was being pumped; A, level affected by atmospheric pressure.]

Date	Water level	Measurement method	Water-level status	Date	Water level	Measurement method	Water-level status
Oct 20	11.75	S	R	May 26	14.77	S	X
Dec 21	12.98	S	R	Jul 1	14.00	S	S
Jan 26	14.08	S	R	28	14.15	T	R
Apr 29	15.81	S	R	Sep 13	5.50	S	A

Water year 2011 highest: 5.50, September 13, 2011; lowest: 15.81, April 29, 2011

Period of record highest: 5.50, September 13, 2011; lowest: 16.49, January 24, 2007

Record available from , 1919 to November 29, 2011 52; ENTRIES entries

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