



Water-Data Report 2009

182330066185700 Local number 213. Pámpano 2 Well, Vega Alta, PR

North Coast Limestone aquifer system (Puerto Rico)

Rio Indio Limestone Member of Cibao Formation

Vega Alta Municipio, PR

LOCATION.--Lat 18°23'29.7", long 66°18'57.2" referenced to North American Datum of 1927, Vega Alta Municipio, PR, Hydrologic Unit 21010002, 1.82 mi (2.93 km) southeast of Vega Alta plaza, 4.23 mi (6.81 km) west of Toa Alta plaza, and 1.27 mi (2.04 km) northwest off the intersection of State Road 820 with State Road 823; Name: Pámpano 2 Well, Vega Alta, PR.

GROUNDWATER RECORDS

DATUM.--Land-surface datum is 394 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF PLEXIGLASS PLATE., 9.34 ft above land-surface datum, April 27, 1993 to December 8, 2008; TOP OF PLEXIGLASS PLATE., 4.50 ft above land-surface datum, December 9, 2008 to present. Well is located in a sinkhole, and around the well water accumulated during significant rainfall events. This explains why the measuring point was raised to 9.34 ft (2.85 m) above land-surface datum. A correction in the land-surface datum used was introduced in December 9, 2008, after a cover of 4.84 ft (1.48 m) in thickness was deposited in the sinkhole burying the old referenced land-surface datum.

PERIOD OF RECORD.--July 14, 1977 to current year.

REMARKS.--Observation well. Water levels may be affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.72 ft (6.92 m), below land-surface datum, August 15, 2005; lowest water level measured, 74.0 ft (22.56 m), below land-surface datum, July 14, 1977.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 42.49 ft (12.95 m) below land surface datum on November 6, 2008. Lowest water level measured, 48.02 ft (14.64 m) below land surface datum on December 9, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

[Measurement method: T, electric tape; S, steel tape. Water-level status: S, nearby site that taps the same aquifer was being pumped; --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Nov 6	42.49	T	S	Jul 16	45.25	T	--
Dec 9	48.02	T	S	Aug 26	45.16	T	--
Jan 22	46.88	S	S	Sep 14	45.90	T	S
Jun 8	43.33	T	--				

Water year 2009 highest: 42.49, November 6, 2008; lowest: 48.02, December 9, 2008

Period of record highest: 22.72, August 15, 2005; lowest: 74.0, July 14, 1977

Record available from July 14, 1977, to June 15, 2010; 227 entries

182330066185700 Local number 213. Pámpano 2 Well, Vega Alta, PR—Continued

