



Water-Data Report 2009

**180141066324701 Local number 1372. Monserrate West Well, Ponce, PR**

South Coast aquifer (Puerto Rico)  
 South Coastal Plain Alluvial Aquifer  
 Ponce Municipio, PR

LOCATION.--Lat 18°01'41.1", long 66°32'47.3" referenced to North American Datum of 1927, Ponce Municipio, PR, Hydrologic Unit 21010004, 0.69 mi (1.10 km) south of Highway 52 of the intersection with State Road 506, 0.28 mi (1.98 km) east of Central Mercedita; and 2.74 mi (4.41 km) west of Fort Allen Naval Radio Station; Name: Monserrate West Well, Ponce, PR.

**GROUNDWATER RECORDS**

DATUM.--Land-surface datum is 101.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: 8-IN. OPEN CASING, 3.30 ft above land-surface datum, Jan. 25, 2007, to April 30, 2009; 8-IN INSIDE CASING, INSIDE METAL SHELTER, 3.34 ft above land-surface datum, April 30, 2009, to present.

PERIOD OF RECORD.--January 25, 2007 to current year.

REMARKS.--Observation well. Water levels affected by nearby irrigation of crops, and pumping of wells.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 61.72 ft (18.81 m), below land-surface datum, October 31, 2007; lowest water level recorded, 79.39 ft (24.2 m), below land-surface datum, June 28, 2007.

EXTREMES FOR CURRENT YEAR.--Highest water level measured, 62.35 ft (19.00 m) below land surface datum on October 21, 2008. Lowest water level measured, 71.25 ft (21.72 m) below land surface datum on April 30, 2009.

**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: X, level affected by stage in nearby surface-water site; S, nearby site that taps the same aquifer was being pumped; Z, other conditions existed that would affect the measured water level; --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 21	62.35	T	X	Apr 30	71.25	T	S
Nov 20	64.11	T	S	Jun 18	68.79	T	S
Jan 23	66.95	T	X	Jul 23	68.96	S	S
Feb 26	70.44	T	S	Aug 31	70.84	T	Z
Mar 27	68.98	T	S	Sep 17	69.13	T	--

Water year 2009 highest: 69.13, September 17, 2009; lowest: 69.13, September 17, 2009

Period of record highest: 61.72, October 31, 2007; lowest: 79.39, June 28, 2007

Record available from January 25, 2007, to May 26, 2010; 37 entries

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