



Water-Data Report 2010

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 INSIDE CASING, INSIDE METAL SHELTER., 3.34 ft above land-surface datum, April 30, 2009, to present.

PERIOD OF RECORD.--January 25, 2007 to July 29, 2010.

PERIOD OF DAILY RECORD.--February 4, 2010 to July 20, 2010.

COOPERATION.--Funding for site provided by the Puerto Rico Department of Natural and Environmental Resources and the U.S. Geological Survey.

REMARKS.--Real-time telemetry observation well. Site discontinued on July 29, 2010 as requested by land owner.

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.

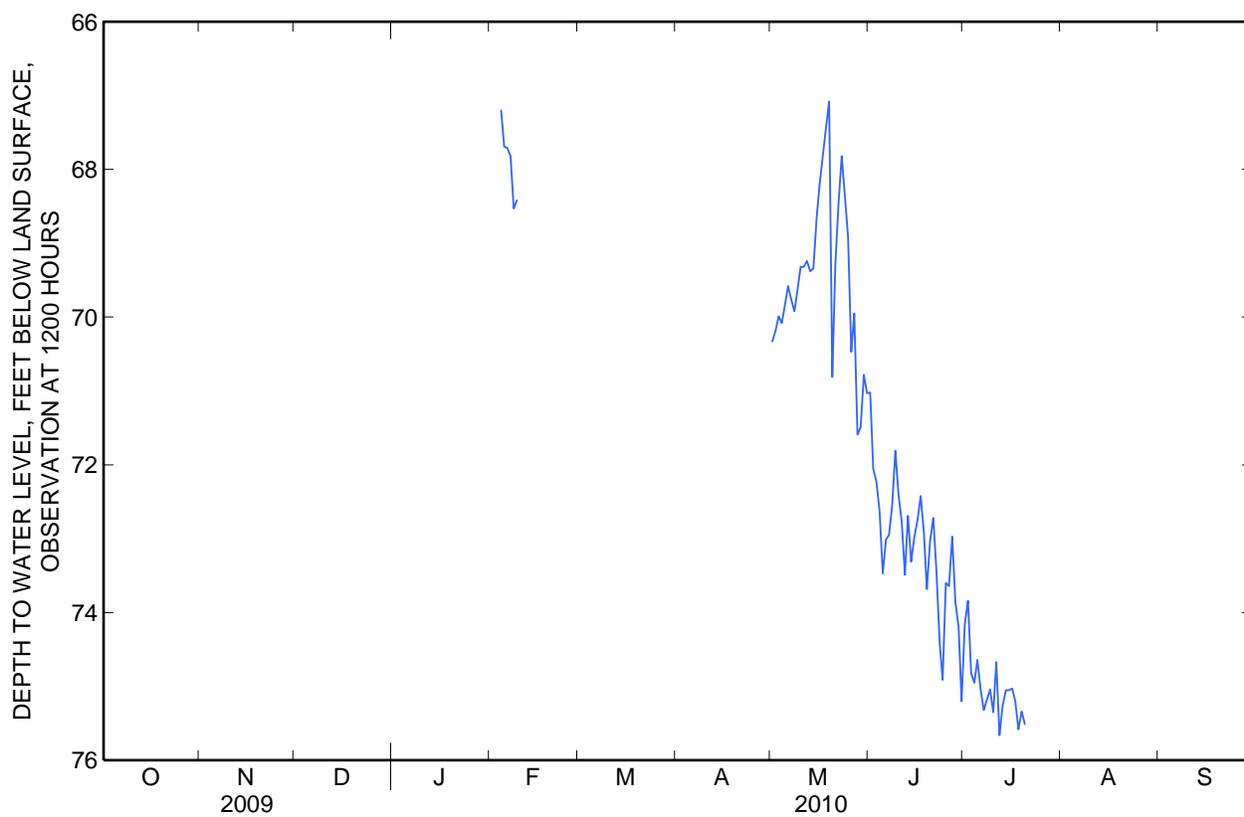
EXTREMES FOR CURRENT YEAR.--Highest water-level measured, 66.28 ft (20.20 m), below land-surface datum, January 27; lowest water-level recorded, 78.63 ft (23.97 m), below land-surface datum, July 20.

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DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY OBSERVATION AT 1200 HOURS

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	70.33	71.02	74.16	---	---
2	---	---	---	---	---	---	---	70.19	72.05	73.84	---	---
3	---	---	---	---	---	---	---	69.99	72.23	74.82	---	---
4	---	---	---	---	67.20	---	---	70.08	72.63	74.95	---	---
5	---	---	---	---	67.69	---	---	69.84	73.47	74.64	---	---
6	---	---	---	---	67.71	---	---	69.58	73.01	75.03	---	---
7	---	---	---	---	67.82	---	---	69.76	72.95	75.32	---	---
8	---	---	---	---	68.53	---	---	69.92	72.55	75.18	---	---
9	---	---	---	---	68.42	---	---	69.62	71.81	75.04	---	---
10	---	---	---	---	---	---	---	69.32	72.41	75.35	---	---
11	---	---	---	---	---	---	---	69.32	72.77	74.67	---	---
12	---	---	---	---	---	---	---	69.24	73.49	75.66	---	---
13	---	---	---	---	---	---	---	69.38	72.69	75.26	---	---
14	---	---	---	---	---	---	---	69.34	73.31	75.05	---	---
15	---	---	---	---	---	---	---	68.67	72.98	75.05	---	---
16	---	---	---	---	---	---	---	68.21	72.75	75.03	---	---
17	---	---	---	---	---	---	---	67.82	72.42	75.20	---	---
18	---	---	---	---	---	---	---	67.44	72.91	75.58	---	---
19	---	---	---	---	---	---	---	67.08	73.68	75.34	---	---
20	---	---	---	---	---	---	---	70.81	73.03	75.51	---	---
21	---	---	---	---	---	---	---	69.29	72.72	---	---	---
22	---	---	---	---	---	---	---	68.46	73.44	---	---	---
23	---	---	---	---	---	---	---	67.82	74.40	---	---	---
24	---	---	---	---	---	---	---	68.36	74.91	---	---	---
25	---	---	---	---	---	---	---	68.92	73.60	---	---	---
26	---	---	---	---	---	---	---	70.47	73.64	---	---	---
27	---	---	---	---	---	---	---	69.95	72.97	---	---	---
28	---	---	---	---	---	---	---	71.59	73.86	---	---	---
29	---	---	---	---	---	---	---	71.49	74.19	---	---	---
30	---	---	---	---	---	---	---	70.78	75.20	---	---	---
31	---	---	---	---	---	---	---	71.03	---	---	---	---
Mean	---	---	---	---	---	---	---	69.49	73.10	---	---	---

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**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

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

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 8	70.33	T	--	Apr 29	70.35	T	X
Dec 10	68.72	T	--	30	70.61	T	X
Jan 27	66.28	T	--	May 26	70.08	T	S
Mar 25	69.33	S	X	Jul 29	67.53	T	S

Water year 2010 highest: 66.28, January 27, 2010; lowest: 70.61, April 30, 2010

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

Record available from January 25, 2007, to July 29, 2010; 38 entries

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