

Water-Data Report 2012

**265106080241402 Local number PB 831. USGS Observation Well near Palm Beach Gardens, FL.**

Surficial Aquifer System

Palm Beach County, FL

LOCATION.--Lat 26°51'05.6", long 80°24'42.2" referenced to North American Datum of 1983, in SW ¼ NE ¼ NW ¼ sec.2, T.42 S., R.39 E., Palm Beach County, FL, Hydrologic Unit 03090202, 30 ft west of principal dirt road within J.W. Corbett Wildlife Management Area, 8.7 mi from north entrance at junction of State Road 706 and State Road 710, approximately 15 mi west of Palm Beach Gardens.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 25 ft. Upper casing diameter 4; top of first opening 21 ft, bottom of last opening 25 ft. Gravel-packed 21 to 25 ft.

DATUM.--Land-surface datum is 24 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 1, 1974, to present, measuring point has been top of base, 26.47 ft above National Geodetic Vertical Datum of 1929. Prior to October 1988, top of base was incorrectly considered to be 24.90 ft above NGVD. Land-surface datum is 22.6 ft above North American Vertical Datum of 1988. See REMARKS.

PERIOD OF RECORD.--November 1974 to current year.

GAGE.--Electronic data logger.

REMARKS.--Previously published figures of water levels as elevations in feet NGVD, prior to October 1988 are in error. Previously corrected figures in the files of the U.S. Geological Survey have been calculated using an arbitrary 25.0 ft measuring point. A correction of +0.10 ft is required to correct the water-level data. See DATUM. Well was originally open to the aquifer from 21 to 25 ft. The open interval has collapsed or become obstructed at 21 ft.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 23.79 ft NGVD, May 5, 1975; lowest, 18.53 ft NGVD, June 5, 1989.

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**ELEVATION ABOVE NGVD 1929, FEET**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MAXIMUM VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22.06	22.75	---	---	21.02	20.68	---	---	22.08	22.03	22.03	23.22
2	21.93	22.72	---	---	21.01	20.68	---	---	22.04	21.94	21.88	23.12
3	21.88	---	---	---	21.19	20.62	---	---	21.89	21.94	21.85	23.03
4	21.80	---	---	---	21.16	20.74	---	---	21.74	21.87	21.85	22.95
5	21.70	---	---	---	21.12	20.73	---	---	21.67	22.27	21.79	22.91
6	21.64	---	---	21.57	21.53	20.56	---	---	21.64	22.27	22.05	22.91
7	22.13	---	---	21.57	21.64	20.53	---	---	21.59	22.16	22.10	22.89
8	22.36	---	---	21.54	21.61	20.83	---	---	21.91	21.98	21.94	22.81
9	22.48	---	---	21.53	21.54	21.03	---	---	22.11	21.90	21.78	22.79
10	22.42	---	---	21.52	21.47	21.03	---	---	22.03	21.86	21.67	22.73
11	22.36	---	---	21.52	21.52	20.99	---	21.07	21.91	21.97	21.69	22.85
12	22.30	---	---	21.52	21.43	20.95	---	21.02	21.73	21.91	21.69	22.83
13	22.24	---	---	21.45	21.29	20.88	---	20.94	21.67	21.81	22.16	22.81
14	22.16	---	---	21.40	21.23	20.82	---	20.87	21.67	21.69	22.46	22.72
15	22.12	---	---	21.38	21.16	20.97	---	21.96	21.50	22.43	22.43	22.65
16	22.01	---	---	21.35	21.13	20.97	---	21.96	21.40	22.62	22.36	22.65
17	22.30	---	---	21.33	21.09	20.90	---	22.15	21.29	22.62	22.30	22.69
18	22.69	---	---	21.30	21.07	20.81	---	22.14	21.21	22.57	22.43	22.69
19	22.69	---	---	21.28	21.01	20.78	---	22.28	21.14	22.51	22.43	22.69
20	22.67	---	---	21.26	20.96	20.70	---	22.28	21.88	22.45	22.30	22.62
21	22.61	---	---	21.21	20.94	20.86	---	22.26	21.91	22.36	22.31	22.57
22	22.56	---	---	21.19	20.92	20.84	---	22.19	22.31	22.66	22.31	22.57
23	22.50	---	---	21.18	20.87	---	---	22.10	22.41	22.64	22.18	22.57
24	22.45	---	---	21.16	20.83	---	---	22.07	22.46	22.57	22.53	22.48
25	22.38	---	---	21.35	20.80	---	---	22.07	22.46	22.47	22.53	22.42
26	22.33	---	---	21.28	20.79	---	---	21.94	22.38	22.38	23.25	22.38
27	22.29	---	---	21.20	20.76	---	---	21.90	22.44	22.29	23.45	22.35
28	22.57	---	---	21.16	20.75	---	---	21.90	22.41	22.20	23.43	22.34
29	22.88	---	---	21.13	20.71	---	---	22.22	22.27	22.11	23.43	22.60
30	22.82	---	---	21.13	---	---	---	22.22	22.16	22.00	23.31	22.60
31	22.81	---	---	21.07	---	---	---	22.09	---	22.03	23.25	---
<b>Mean</b>	22.33	---	---	---	21.12	---	---	---	21.91	22.21	22.36	22.71
<b>Max</b>	22.88	---	---	---	21.64	---	---	---	22.46	22.66	23.45	23.22
<b>Min</b>	21.64	---	---	---	20.71	---	---	---	21.14	21.69	21.67	22.34

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