

Water-Data Report 2008

264230080120501 Local number PB 561. USGS Observation Well near Royal Palm Beach, FL.

Surficial aquifer system
Palm Beach County, FL

LOCATION.--Lat 26°42'32.3", long 80°12'02.2" referenced to North American Datum of 1983, in NW ¼ NW ¼ NW ¼ sec.30, T.43 S., R.42 E., Palm Beach County, FL, Hydrologic Unit 03090202, near intersection of Okeechobee Road (State Road 704) and State Road 7 (U.S. Highway 441), 12.5 mi west of West Palm Beach.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 11.3 ft. Upper casing diameter 6 in.; top of first opening 11.3 ft, bottom of last opening 11.3 ft. Open-end well.

DATUM.--Land-surface datum is 17.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 20.81 ft above National Geodetic Vertical Datum of 1929 (NGVD), May 1, 1979, to present; From April 1, 1970, to April 30, 1977, measuring point was top of shelf, 20.82 ft above NGVD.

PERIOD OF RECORD.--April 1970 to April 1977, May 1979 to November 14, 2007. Discontinued. See REMARKS.

GAGE.--Electronic data logger.

REMARKS.--The casing of monitoring well PB-561 was removed from the ground on March 1, 2005. It was reinstalled on May 23, 2005. It was subsequently removed again on June 17, 2005, and re-installed on June 24, 2005. Data collected after June 24, 2005 have been evaluated relative to historical water levels in this and nearby wells. This evaluation indicated that the well was not as responsive to water level variations in the aquifer as it had been. Based on this, PB-561 was discontinued November 14, 2007. See PERIOD OF RECORD. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 18.08 ft NGVD, Oct. 16, 1999; lowest, 10.94 ft NGVD, Mar. 1, 1989.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15.35	15.68	---	---	---	---	---	---	---	---	---	---
2	15.40	15.68	---	---	---	---	---	---	---	---	---	---
3	15.45	15.67	---	---	---	---	---	---	---	---	---	---
4	15.47	15.66	---	---	---	---	---	---	---	---	---	---
5	15.50	15.61	---	---	---	---	---	---	---	---	---	---
6	15.52	15.56	---	---	---	---	---	---	---	---	---	---
7	15.52	15.53	---	---	---	---	---	---	---	---	---	---
8	15.52	15.48	---	---	---	---	---	---	---	---	---	---
9	15.52	15.41	---	---	---	---	---	---	---	---	---	---
10	15.52	15.33	---	---	---	---	---	---	---	---	---	---
11	15.51	15.25	---	---	---	---	---	---	---	---	---	---
12	15.50	15.17	---	---	---	---	---	---	---	---	---	---
13	15.45	15.07	---	---	---	---	---	---	---	---	---	---
14	15.41	---	---	---	---	---	---	---	---	---	---	---
15	15.37	---	---	---	---	---	---	---	---	---	---	---
16	15.38	---	---	---	---	---	---	---	---	---	---	---
17	15.39	---	---	---	---	---	---	---	---	---	---	---
18	15.43	---	---	---	---	---	---	---	---	---	---	---
19	15.51	---	---	---	---	---	---	---	---	---	---	---
20	15.55	---	---	---	---	---	---	---	---	---	---	---
21	15.57	---	---	---	---	---	---	---	---	---	---	---
22	15.59	---	---	---	---	---	---	---	---	---	---	---
23	15.61	---	---	---	---	---	---	---	---	---	---	---
24	15.61	---	---	---	---	---	---	---	---	---	---	---
25	15.61	---	---	---	---	---	---	---	---	---	---	---
26	15.61	---	---	---	---	---	---	---	---	---	---	---
27	15.61	---	---	---	---	---	---	---	---	---	---	---
28	15.61	---	---	---	---	---	---	---	---	---	---	---
29	15.65	---	---	---	---	---	---	---	---	---	---	---
30	15.66	---	---	---	---	---	---	---	---	---	---	---
31	15.66	---	---	---	---	---	---	---	---	---	---	---
Mean	15.52	---	---	---	---	---	---	---	---	---	---	---
Max	15.66	---	---	---	---	---	---	---	---	---	---	---
Min	15.35	---	---	---	---	---	---	---	---	---	---	---

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