



Water-Data Report 2012

**262313080044401 Local number PB 1457. USGS Observation Well in Boca Raton, FL.**

Surficial Aquifer System

Palm Beach County, FL

LOCATION.--Lat 26°23'14.1", long 80°04'43.2" referenced to North American Datum of 1983, in SW ¼ SW ¼ NE ¼ sec.8, T.47 S., R.43 E., Palm Beach County, FL, Hydrologic Unit 03090202, approximately 0.05 mi north and 0.1 mi west of the intersection of Spanish River Boulevard and U.S. Highway 1.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 193 ft. Upper casing diameter 2; top of first opening 188 ft, bottom of last opening 193 ft.

DATUM.--Land-surface datum is 15.97 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 1, 1983, to present, measuring point has been top of casing, 15.97 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1983 to October 1993, October 2001 to current year.

INSTRUMENTATION.--Monthly water-level measurement with chalked steel tape or electric tape.

REMARKS.--Well also used for salinity monitoring.

EXTREMES FOR PERIOD OF RECORD.—

WATER-LEVEL ELEVATION.--Highest water level measured, 9.08 ft NGVD, Oct. 1, 2001; lowest, 2.24 ft NGVD, Mar. 29, 1990.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 68 mg/L, Apr. 29, 1993; lowest, 14 mg/L, Feb. 20, 1990.

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[NGVD, National Geodetic Vertical Datum; ft, feet; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter]

Date	Sample start time	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Elevation above NGVD 1929, ft (72020)	Chloride, water, unfiltered, mg/L (99220)
October 21, 2011	1306	441	4.99	22
November 21, 2011	1315	436	5.91	26
December 14, 2011	1040	443	5.11	22
January 27, 2012	1035	428	4.03	22
February 23, 2012	1253	446	4.09	22
March 13, 2012	1310	442	4.05	22
April 5, 2012	1402	440	3.76	22
May 21, 2012	1352	443	6.29	22
June 21, 2012	1304	445	6.03	22
July 18, 2012	1329	442	6.45	22
August 16, 2012	1222	441	5.57	20
September 20, 2012	1415	446	6.72	19