

**262755080040101 Local number PB 1707. USGS Observation Well near Delray Beach, FL.**

Surficial aquifer system  
Surficial Aquifer System

Palm Beach County, FL

LOCATION.--Lat 26°27'54.9", long 80°04'00.0" referenced to North American Datum of 1983, in NE ¼ SE ¼ NW ¼ sec.16, T.46 S., R.43 E., Palm Beach County, FL, Hydrologic Unit 03090202, on NE 6th Avenue, 1 block east of U.S. Highway 1, on south side of NE 2nd Street.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, diameter 2 in., depth 182.7 ft.

DATUM.--Land-surface datum is 12.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Sept. 4, 1997, to present, measuring point has been top of casing, 12.17 ft above National Geodetic Vertical Datum of 1929. Prior to October 2002, measuring point was incorrectly considered to be 12.20 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--September 2000 to September 2009 (monthly), October 2009 to current year. See REMARKS.

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

REMARKS.--This well is also used for quarterly salinity monitoring, with chloride sample collection starting in September 2000 (Corrected). Water-level measurements started in September 2000. See PERIOD OF RECORD. The figures of water level as elevation, in ft NGVD, prior to October 2002 are in error. A correction of -0.03 ft has been applied to correct water-level data. Corrected figures of water-level elevation, in ft NGVD, are in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 4.74 ft NGVD, Sept. 20, 2012; lowest, 0.86 ft NGVD, July 09, 2004.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 11,500 mg/L, Sept. 04, 1997; lowest, 5,400 mg/L, Oct. 01, 2010.

**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; --, no data]

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 20, 2011	1104	19,100	2.98	6,700
January 26, 2012	1443	17,840	2.47	6,500
April 13, 2012	1350	18,660	1.97	6,600
May 4, 2012	1349	--	2.37	--
July 18, 2012	1211	18,860	3.29	6,300
September 20, 2012	1244	--	4.74	--