

Water-Data Report 2012

265138080375802 Local number PB -1818S

Surficial Aquifer System

Palm Beach County, FL

LOCATION.--Lat 26°51'38.2", long 80°37'57.93" referenced to North American Datum of 1983, Palm Beach County, FL, Hydrologic Unit 03090202, 110 ft northwest of U.S. Highway 441 and 660 ft southwest of State Road 700, in the southeast corner of a park.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 45 ft. Upper casing diameter 0.75; top of first opening 40 ft, bottom of last opening 45 ft.

DATUM.--Land-surface datum is 15.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 2, 2011, to present, measuring point has been top of casing, 15.6 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 2011 to current year. See REMARKS.

INSTRUMENTATION.--Bimonthly measurement with chalked steel tape or electric tape. See REMARKS.

REMARKS.--Well is also used for salinity monitoring.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 12.56 ft NGVD, Aug. 29, 2012; lowest, 9.70 ft NGVD, June 19, 2012.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 1,900 mg/L, Feb., 23, 2012; lowest, 560 mg/L, Oct. 26, 2011.

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 26, 2011	1508	2,690	9.80	560
December 13, 2011	1538	7,160	10.37	1,800
February 23, 2012	1611	7,370	10.39	1,900
April 25, 2012	1514	4,810	10.07	1,200
June 19, 2012	1541	4,660	9.70	900
August 29, 2012	1308	4,400	12.56	1,100