

Water-Data Report 2012

264332080421102 Local number PB -1820S

Surficial Aquifer System

Palm Beach County, FL

LOCATION.--Lat 26°43'32.4", long 80°42'11.2" referenced to North American Datum of 1983, Palm Beach County, FL, Hydrologic Unit 03090202, between Herbert Hoover Dike and an irrigation ditch just south of Hatcher Rd, 1.8 mi west of the intersection of S.R. 715, Hooker Hwy and Hatcher Rd.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 95 ft. Upper casing diameter 0.75; top of first opening 90 ft, bottom of last opening 95 ft.

DATUM.--Land-surface datum is 10.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 6, 2011, to present, measuring point has been top of casing, 11.2 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. The site is known to have flooded in the past, but high water marks have not yet been recorded at this station.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 10.77 ft NGVD, Dec. 14, 2011, see REMARKS; lowest, 9.58 ft NGVD, June 20, 2012.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 100 mg/L, June 20, Aug, 28, 2012; lowest, 90 mg/L, Feb. 24, Apr. 24, 2012.

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 25, 2011	1045	1,200	10.22	95
December 14, 2011	0928	1,170	10.77	95
February 24, 2012	0813	1,210	10.18	90
April 24, 2012	0811	1,170	9.97	90
June 20, 2012	1132	1,200	9.58	100
August 28, 2012	1612	1,170	--	100