



Water-Data Report 2012

261643080055901 Local number G 2752. USGS Observation Well near Hillsboro Beach, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°16'43.50", long 80°05'57.30" referenced to North American Datum of 1983, in NE ¼ SW ¼ SW ¼ sec.18, T.48 S., R.43 E., Broward County, FL, Hydrologic Unit 03090202, on southeastern corner of NE 39th Street and NE 18th Avenue.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, diameter 3 in., depth 253 ft, cased to 248 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929. Measuring point: From November 2000 to present, measuring point has been top of casing, 11.35 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 2000 to current year. See REMARKS.

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

REMARKS.--This well has been used for quarterly salinity monitoring since November 2000. See PERIOD OF RECORD.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 7.60 ft NGVD, Nov. 5, 2003; lowest, 3.05 ft NGVD, July 28, 2004.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 30 mg/L, Oct. 11, 2001; lowest, 18 mg/L, July 28, 2004.

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	1332	475	6.82	24
January 27, 2012	1205	464	5.23	24
April 12, 2012	1415	486	4.72	24
July 19, 2012	1134	457	7.58	22