



Water-Data Report 2012

261122080083401 Local number G 1232. USGS Observation Well in Fort Lauderdale, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°11'22.3", long 80°08'48.2" referenced to North American Datum of 1983, in SE ¼ SW ¼ NE ¼ sec.15, T.49 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, about 50 ft northwest from intersection at NE 1st Avenue and NE 51st Street in Brentwood Estates.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 205 ft. Upper casing diameter 2; top of first opening 203 ft, bottom of last opening 205 ft. Open-hole well.

DATUM.--Land-surface datum is 8.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 5, 1994, to present, measuring point has been top of casing, 8.31 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 1994 to current year. See REMARKS.

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

REMARKS.--This well is also used for quarterly salinity monitoring. Salinity monitoring began in April 1964. Water-level monitoring began in November 1994.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 5.93 ft NGVD, June 24, 2002; lowest, 1.09 ft NGVD, June 6, 2011.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 46 mg/L, May 13, 1986; lowest, 4 mg/L, June 5, 1985.

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 27, 2011	1450	455	2.89	32
November 18, 2011	1635	--	3.52	--
December 16, 2011	1706	--	2.67	--
January 23, 2012	1028	461	1.72	32
February 28, 2012	0955	--	1.98	--
March 26, 2012	1027	--	1.69	--