

Water-Data Report 2012

**261403080070801 Local number G 2149. USGS Observation Well in Pompano Beach, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°14'03.66", long 80°07'07.92" referenced to North American Datum of 1983, in NE ¼ SE ¼ SE ¼ sec.35, T.48 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, at the NW corner of NE 3rd Street and NE 5th Avenue, 8.8 ft from edge of street.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 137 ft. Upper casing diameter 2; top of first opening 135 ft, bottom of last opening 137 ft. Open hole, 135 to 137 ft.

DATUM.--Land-surface datum is 17.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: From October 1974 to present, measuring point has been top of casing, 17.39 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1986 to August 1993 (bimonthly), October 1993 to September 1994 (monthly), 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 salinity monitoring since October 1974, with intermittent chloride sampling carried out from October 1974 to November 1977, bimonthly sampling from October 1981 to July 1994, and quarterly sampling November 2000 to the current year. Water-level monitoring began in April 1986. See PERIOD OF RECORD.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 7.08 ft NGVD, Sept. 30, 1994; lowest, 0.51 ft NGVD, June 13, 1989.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 380 mg/L, Apr. 19, 1991; lowest, 14 mg/L, June 30, 1977.

**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 20, 2011	1301	515	5.49	56
January 27, 2012	1310	482	4.11	56
April 12, 2012	1216	501	3.85	52
July 19, 2012	1050	508	5.81	54