

**255919080091202 Local number G 2409. USGS Observation Well in Hallandale, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 25°59'20.1", long 80°09'11.6" referenced to North American Datum of 1983, in NW ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, 1 ft east of G-2408, 11 ft east of northwest corner of building on southeast corner of NW 3rd Street and NW 5th Avenue.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 84 ft. Upper casing diameter 2; top of first opening 83 ft, bottom of last opening 84 ft.

DATUM.--Land-surface datum is 10.86 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Sept. 16, 1985, to present, measuring point has been top of casing, 10.58 ft above National Geodetic Vertical Datum of 1929. Prior to October 1996, measuring point was incorrectly considered to be 10.64 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--September 1985 to February 1986 (weekly), March 1986 to September 1990 (intermittent), October 1990 to October 1996, June 1997 to current year. See REMARKS.

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

REMARKS.--This well has been used for monthly salinity monitoring since June 1985, with quarterly chloride sampling carried out October 1993 to September 2006. Currently sampled monthly. Water-level elevation measurements started in September 1985. See PERIOD OF RECORD. The figures of water levels as elevation, in feet NGVD, prior to October 1996 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 4.68 ft NGVD, Oct. 21, 1999; lowest, 0.31 ft NGVD, May 24, 1995.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 76 mg/L, Mar. 04, 2005; lowest, 11 mg/L, Jan. 18, Mar. 19, 1991.

**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 3, 2011	1110	626	1.89	52
November 21, 2011	1004	606	2.08	52
December 13, 2011	0947	616	1.81	56
January 11, 2012	1105	612	1.03	52
February 21, 2012	1050	627	1.50	52
March 12, 2012	1150	625	1.16	52
April 2, 2012	1233	627	1.03	58
May 14, 2012	1026	624	2.39	54
June 18, 2012	1018	637	1.81	54
July 13, 2012	1216	637	1.85	54
August 16, 2012	1000	639	1.37	54
September 17, 2012	1047	630	2.23	51