

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 in.; 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: Top of casing, 10.58 ft above National Geodetic Vertical Datum of 1929, Sept. 16, 1985, to present. 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. 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 2010 TO SEPTEMBER 2011

[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 6, 2010	1100	610	2.56	56
November 15, 2010	1118	623	1.55	57
December 16, 2010	1119	620	1.17	56
January 25, 2011	1006	593	1.23	48
February 2, 2011	1023	610	1.17	48
March 3, 2011	1003	620	.85	48
April 14, 2011	1031	617	.80	52
May 4, 2011	1000	611	.83	50
June 3, 2011	1030	620	.59	52
July 7, 2011	1125	638	1.53	52
August 17, 2011	1041	639	1.72	52
September 14, 2011	0955	632	2.24	52