

Water-Data Report 2012

255936080091701 Local number G 2477. USGS Observation Well near Hallandale, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 25°59'37.38", long 80°09'18.22" referenced to North American Datum of 1983, in SE ¼ NW ¼ SE ¼ sec.21, T.51 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, at northwest corner of intersection of NW 6th Avenue and NW 8th Street, 82 ft west of NW 6th Avenue and 11 ft north of NW 8th Street.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 80 ft. Upper casing diameter 2; top of first opening 75 ft, bottom of last opening 80 ft.

DATUM.--Land-surface datum is 12.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: From July 22, 1991, to present, measuring point has been top of casing, 12.69 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--July 1991 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 March 1988, with quarterly chloride sampling carried out October 1993 to July 2006. Water-level elevation measurements started in July 1991. See PERIOD OF RECORD.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 5.26 ft NGVD, Oct. 21, 1999; lowest, 0.86 ft NGVD, May 02, 2000.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 82 mg/L, Jan. 09, 2006; lowest, 28 mg/L, Jan. 27, 1992.

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	1224	568	2.43	40
November 21, 2011	1133	561	2.62	40
December 13, 2011	1102	564	2.30	42
January 20, 2012	1205	566	1.42	40
February 21, 2012	1134	582	2.05	42
March 12, 2012	1245	571	1.70	40
April 2, 2012	1343	565	1.57	40
May 4, 2012	1310	562	2.76	40
June 18, 2012	1118	581	2.38	44
July 13, 2012	1330	566	2.43	42
August 16, 2012	1059	567	1.91	42
September 17, 2012	1144	568	2.83	36