

Water-Data Report 2012

260041080093101 Local number G 2425. USGS Observation Well near Hollywood, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°00'41.46", long 80°09'30.62" referenced to North American Datum of 1983, in SW ¼ SW ¼ NE ¼ sec.16, T.51 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, 8 ft south of G-2426, in grassy area between the Broward County Library and the northeast parking lot, near the intersection of Hollywood Boulevard (State Road 820) and North 26th Avenue, about 0.5 mi east of U.S. Interstate 95.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 203 ft. Upper casing diameter 2; top of first opening 198 ft, bottom of last opening 203 ft.

DATUM.--Land-surface datum is 13.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Feb. 6, 2006, to present, measuring point has been top of casing, 13.38 ft above National Geodetic Vertical Datum of 1929 (NGVD). From January 1987 to Feb. 6, 2006, measuring point was top of casing, 12.88 ft above NGVD. See REMARKS

PERIOD OF RECORD.--January 1987 to December 1989 (intermittent), December 1989 to current year. See REMARKS.

INSTRUMENTATION.--Monthly measurement with chalked tape or electronic water-level meter.

REMARKS.--This well has been used for quarterly salinity monitoring since October 1986, starting with intermittent sampling from October 1986 to September 1990, and monthly sampling from October 1990 to September 1993. Water-level elevation measurements started in January 1987. See PERIOD OF RECORD. The land surface was built up approximately 0.5 ft in 2006, requiring the top of casing and enclosing meter box to be raised 0.5 ft. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 4.68 ft NGVD, Oct. 22, 1999; lowest, 0.61 ft below NGVD, Apr. 14, 2006.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 114 mg/L, July 29, 2004; lowest, 52 mg/L, Jan. 25, 1995.

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 3, 2011	1348	707	2.25	72
November 21, 2011	1209	--	2.50	--
December 13, 2011	1130	--	2.19	--
January 20, 2012	1310	713	1.23	72
February 21, 2012	1158	--	1.91	--
March 12, 2012	1312	--	1.58	--
April 2, 2012	1410	714	1.43	72
May 14, 2012	1110	--	2.71	--
June 18, 2012	1141	--	2.31	--
July 16, 2012	1010	703	2.51	74
August 16, 2012	1125	--	1.85	--
September 17, 2012	1203	--	2.82	--