



Water-Data Report 2011

**254201080173001 Local number G 901. USGS Observation Well near Miami, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°42'03.0", long 80°16'54.4" referenced to North American Datum of 1983, in NE ¼ SW ¼ NW ¼ sec.31, T.54 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, at southwest corner of intersection of SW 76th Street and SW 54th Avenue.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 96 ft. Upper casing diameter 2 in.; top of first opening 94.8 ft, bottom of last opening 96 ft.

DATUM.--Land-surface datum is 7.91 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 7.91 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975 to October 1981, May 1992 to November 1992 (intermittent), February 1993 to current year. See REMARKS.

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

REMARKS.--This well is also used for salinity monitoring. Intermittent to monthly chloride samples were collected from March 1959 to April 2002. Quarterly chloride samples were collected from November 2002 to October 2010. Monthly chloride sample collection began January 2011.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 6.51 ft NGVD, Oct. 28, 1993; lowest, 0.05 ft below NGVD, Apr. 08, 2011.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 2,750 mg/L, July 14, 2011; lowest, 17 mg/L, Nov. 07, 1963.

**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 12, 2010	1133	7,620	2.87	2,400
October 26, 2010	1059	7,850	--	--
October 26, 2010	1111	7,850	--	--
November 10, 2010	1103	--	2.38	--
December 9, 2010	1302	--	2.15	--
January 26, 2011	1405	7,730	2.17	2,450
February 8, 2011	1133	7,700	1.83	2,400
March 4, 2011	1252	7,590	1.85	2,350
April 8, 2011	1052	7,690	-.05	2,400
May 10, 2011	1140	7,860	1.66	2,450
June 2, 2011	1315	8,010	1.21	2,580
July 14, 2011	1235	8,650	1.99	2,750
August 22, 2011	1327	8,320	2.51	2,620
September 9, 2011	1013	8,410	2.68	2,600