



Water-Data Report 2010

255222080123001 Local number G -3224

Biscayne aquifer
 Biscayne Limestone Aquifer
 Miami-Dade County, FL

LOCATION.--Lat 25°52'22.3", long 80°12'30.1" referenced to North American Datum of 1983, in SW ¼ NW ¼ SW ¼ sec.36, T.52 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 95.5 ft. Upper casing diameter 2.50 in.; top of first opening 93.5 ft, bottom of last opening 95.5 ft.

DATUM.--Land-surface datum is 9.35 ft above National Geodetic Vertical Datum of 1929. Measuring point: Chisel mark, top of casing, 9.35 ft above National Geodetic Vertical Datum of 1929 (NGVD), April 22, 2002, to present. Prior to Mar. 22, 2002, measuring point was Top of casing elevation, estimated from map after site altered by roadway construction, 10 ft above NGVD.

PERIOD OF RECORD.--November 1979 to October 2001 (intermittent water quality), April 2002 to April 2007 (semiannual), October 2007 to July 2008 (quarterly), October 2008 to current year.

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

REMARKS.--Well also used for salinity monitoring.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 3.17 ft NGVD, Oct. 10, 2008; lowest, 1.49 ft NGVD, Nov. 10 2009.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 72 mg/L, Apr. 23, 1996; lowest, 13 mg/L, Oct. 27, 1995.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

[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, filtered, mg/L (00940)
October 13, 2009	1615	595	1.69	42
November 10, 2009	1315	596	1.49	40
December 15, 2009	1522	597	1.79	42
January 20, 2010	1719	596	1.78	40
February 11, 2010	1607	593	1.94	40
March 18, 2010	1248	596	1.78	40
April 21, 2010	1608	596	2.15	40
May 7, 2010	0930	595	1.70	41
June 3, 2010	1143	596	1.77	40
July 15, 2010	1237	597	2.32	41
August 5, 2010	1303	587	2.00	41
September 3, 2010	1020	580	2.00	41