

Water-Data Report 2012

**255733080195602 Local number G -3949 I**

Biscayne aquifer  
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°57'33.39", long 80°09'56.50" referenced to North American Datum of 1983, in SW ¼ SW ¼ SW ¼ sec.33, T.51 S., R.42 E., Miami-Dade County, FL, Hydrologic Unit 03090202, on north side of Carmel Lake Road, about 0.4 mi south of Ives Dairy Road, 1.1 mi west of U.S. Highway 1, in Aventura, FL.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 150.8 ft. Upper casing diameter 1; top of first opening 145.8 ft, bottom of last opening 150.8 ft.

DATUM.--Land-surface datum is 12.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 16, 2011, to present, measuring point has been top of Casing, 11.90 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 2011 to current year. See REMARKS.

INSTRUMENTATION.--Monthly measurement with chalked steel tape or electric tape. See REMARKS.

REMARKS.--Well is also used for salinity monitoring. Water-level measurements and salinity sampling began in November 2011.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 2.66 ft NGVD, May 15, 2012; lowest, 1.63 ft NGVD, Apr. 6, 2012.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 160 mg/L, many days during the 2012 water year; lowest, 120 mg/L, June 19, 2012.

**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)
November 16, 2011	1410	689	2.40	150
December 16, 2011	1530	791	2.17	130
January 6, 2012	1620	825	1.67	160
February 16, 2012	1314	841	2.21	150
March 12, 2012	1506	843	1.74	160
April 6, 2012	1303	843	1.63	160
May 15, 2012	1222	846	2.66	160
June 19, 2012	1358	843	2.02	120
July 9, 2012	1432	860	2.04	160
August 13, 2012	1520	839	1.76	160
September 24, 2012	1325	844	2.60	140