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Water-Data Report 2010

254908080125201 Local number G -3603

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°49'10.1", long 80°12'49.8" referenced to North American Datum of 1983, in NE ¼ SW ¼ NE ¼ sec.23, T.53 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, in northeast corner of Crestwood Park at the intersection of NW 48th Street and NW 11th Avenue. (Revised).

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 169 ft. Upper casing diameter 2 in; top of first opening 164 ft, bottom of last opening 169 ft.

DATUM.--Land-surface datum is 10.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 10.21 ft above National Geodetic Vertical Datum of 1929, Sep. 28, 1995, to present. Prior to November 2000, top of casing was considered to be 12 ft NGVD, based on a topographic map elevation. See REMARKS.

PERIOD OF RECORD.--September 1995 to current year. See REMARKS.

INSTRUMENTATION.--Semiannual measurement by chalked tape or electronic tape. See REMARKS.

REMARKS.--Well is used for semiannual salinity monitoring. Salinity monitoring and water-level measurements began September 1995. Water-level measurements, collected prior to November 2000 as depth below top of casing, have been converted to elevation in ft NGVD and are available in files of the U.S. Geological Survey. See DATUM

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.97 ft NGVD, Oct. 21, 1999; lowest, 1.41 ft NGVD, Apr. 12, 1999.

Highest measured chloride concentration, 78 mg/L, Apr. 21, 2010; lowest, 40 mg/L, Sept. 28, 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 9, 2009	1109	693	2.14	74
April 21, 2010	1324	700	2.90	78