

Water-Data Report 2012

255515080103602 Local number G -3948 S

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°55'14.9", long 80°10'36.2" referenced to North American Datum of 1983, Miami-Dade County, FL, Hydrologic Unit is 03090202, in the median of NE 158th Street, about 100 yards west of the intersection of NE 158th Street and NE 12th Avenue, in North Miami Beach, FL.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 121.5 ft. Upper casing diameter 1; top of first opening 116.5 ft, bottom of last opening 121.5 ft.

DATUM.--Land-surface datum is 11.87 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 16, 2011, to present, measuring point has been top of Casing, 11.60 ft above National Geodetic Vertical Datum of 1929.

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

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, 3.38 ft NGVD, Sept. 24, 2012; lowest, 2.01 ft NGVD, Jan. 06, 2012.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 140 mg/L, July 9, 2012, Aug. 13, 2012; lowest, 75 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; --, 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)
November 16, 2011	1520	782	2.56	100
December 16, 2011	1456	801	2.27	120
January 6, 2012	1536	825	2.01	120
February 16, 2012	1352	790	2.62	110
March 12, 2012	1540	809	2.27	120
April 26, 2012	1426	822	2.51	130
May 15, 2012	1316	759	3.06	100
June 19, 2012	1457	815	2.61	75
July 9, 2012	1610	849	2.34	140
August 13, 2012	1603	845	2.02	140
September 24, 2012	1450	769	3.38	98