

Water-Data Report 2012

**254813080161501 Local number G 1351. USGS Observation Well near Miami Springs, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°48'13", long 80°16'15" referenced to North American Datum of 1927, in NE ¼ SW ¼ NW ¼ sec.29, T.53 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, approximately 3 ft north of access road between canal and fence, behind the former Eastern Airlines hanger, west of Le Jeune Road.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 103 ft. Upper casing diameter 2; top of first opening 100 ft, bottom of last opening 103 ft.

DATUM.--Land-surface datum is 6.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 22, 2002, to present, measuring point has been top of casing, 6.80 ft above National Geodetic Vertical Datum of 1929 (NGVD). Prior to Aug. 29, 2002, measuring point was top of casing, 6.52 ft above NGVD. Prior to August 2002, land surface datum was approximately 6.5 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1975 to September 1990 (intermittent), October 1990 to current year. See REMARKS.

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

REMARKS.--Well also used for salinity monitoring, starting in May 1968. The well was buried by road construction in August 2002. In November 22, 2002, the well was uncovered and reconstructed. As a result of the construction activities, both the land surface datum and the measuring point elevation changed. See DATUM and LAND-SURFACE DATUM.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 3.49 ft NGVD, July 21, 2010; lowest, 1.18 ft below NGVD, Oct. 7, 1986.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 1,950 mg/L, Oct. 07, 1980; lowest, 24 mg/L, July 11, Aug. 22, 1995.

**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)
October 17, 2011	1250	2,030	2.82	480
November 29, 2011	0956	2,020	1.79	500
December 28, 2011	1102	2,130	1.53	460
January 27, 2012	1120	2,100	1.57	520
February 27, 2012	1043	2,030	1.63	460
March 26, 2012	1146	2,000	1.62	475
April 27, 2012	1042	2,040	1.59	520
May 25, 2012	1202	1,986	2.07	470
June 26, 2012	1013	1,991	1.99	485
July 30, 2012	1018	2,070	1.85	520
August 31, 2012	1140	2,110	2.17	460
September 26, 2012	1101	1,993	1.67	482