

Water-Data Report 2011

254107080165201 Local number G 896. USGS Observation Well near Miami, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°41'09.9", long 80°16'50.4" referenced to North American Datum of 1983, in NW ¼ SE ¼ NW ¼ sec.6, T.55 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, 3 ft south of rock wall, 0.25 mi west of SW 52nd Avenue (School House Road), 0.5 mi south of Kendall Drive.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 74 ft. Upper casing diameter 2 in.; top of first opening 60 ft, bottom of last opening 74 ft.

DATUM.--Land-surface datum is 6.30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 11.25 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975 to June 1976 (intermittent), May 1976 to May 1990 (semiannual), August 1990 to current year. See REMARKS.

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

REMARKS.--This well has been used for salinity monitoring since May 1959, with intermittent chloride sampling carried out until July 2008. Monthly chloride samples have been collected from August 1990 to September 1996, and October 2008 to the current year. Records of chloride concentration, in mg/L, prior to October 1977, are available in files of the U.S. Geological Survey. Water-level elevation measurements started in March 1994. See PERIOD OF RECORD.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 4.71 ft NGVD, Sept. 30, 1993; lowest, 1.32 ft NGVD, June 2, 2011.

CHLORIDE CONCENTRATION: Highest chloride concentration measured, 1,540 mg/L, July 29, 1992; lowest, 155 mg/L, June 19, 2008.

WATER-QUALITY DATA

WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

[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 12, 2010	1108	1,190	3.01	248
November 10, 2010	1037	1,230	2.90	255
December 9, 2010	1230	1,240	2.69	263
January 26, 2011	1345	1,210	2.77	260
February 8, 2011	1111	1,280	2.52	265
March 4, 2011	1227	1,230	2.29	250
April 8, 2011	1020	1,180	1.95	235
May 10, 2011	1113	1,150	1.89	225
June 2, 2011	1248	1,170	1.32	235
July 14, 2011	1148	1,170	2.39	235
August 19, 2011	1425	1,220	2.84	253
September 8, 2011	1557	1,189	3.08	243