



Water-Data Report 2012

254855080163701 Local number G 548. USGS Observation Well in Miami Springs, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°48'55.9", long 80°16'36.4" referenced to North American Datum of 1983, in NE ¼ SE ¼ SW ¼ sec.19, T.53 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, at the northwest corner of intersection of Pinecrest Drive and La Villa Drive, 58 ft west of center of La Villa Drive and 30 ft north of center of Pinecrest Drive.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 97.3 ft. Upper casing diameter 2; top of first opening 91.4 ft, bottom of last opening 97.3 ft.

DATUM.--Land-surface datum is 6.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: From June 27, 1947, to present, measuring point has been top of casing, 6.35 ft above National Geodetic Vertical Datum of 1929.

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

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

REMARKS.--This well is also used for salinity monitoring, starting in June 1947. Monthly chloride sampling began in January 2011. Records of water-level elevation, in ft NGVD, prior to October 1982, are in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 4.13 ft NGVD, Oct. 21, 1999; lowest, 0.43 ft below NGVD, June 10, 1982.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 700 mg/L, Oct. 11, 1978, Oct. 04, 1979; lowest, 24 mg/L, Mar. 27, 1951.

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 6, 2011	1135	476	1.14	36
November 21, 2011	1600	469	1.81	33
December 19, 2011	1620	467	1.32	32
January 18, 2012	1603	477	.78	30
February 2, 2012	1237	464	1.00	31
March 23, 2012	1222	477	1.28	30
April 26, 2012	0940	469	1.15	32
May 16, 2012	1353	473	1.67	32
June 20, 2012	1455	472	2.44	34
July 16, 2012	1409	482	2.71	34
August 14, 2012	1500	468	1.36	34
September 27, 2012	1709	483	1.61	31