

254841080164401 Local number G 571. USGS Observation Well in Miami Springs, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°48'42.7", long 80°16'43.3" referenced to North American Datum of 1983, in SE ¼ NW ¼ SE ¼ sec.19, T.53 S., R.41 E., Miami-Dade County, FL, Hydrologic Unit 03090202, at northeast corner of intersection of Labaron and De Leon Drive, 60 ft north of Labaron Drive and 20 ft east of De Leon Drive, in Miami Springs.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, depth 94.5 ft, diameter 2.5 in., cased to 94.5 ft. Open-end well.

DATUM.--Land-surface datum is 6 ft above National Geodetic Vertical Datum of 1929. Measuring point: measuring point has been top of casing, 6 ft above National Geodetic Vertical Datum of 1929.

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

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

REMARKS.--This well is also used for salinity monitoring, starting in May 1968. Monthly chloride sample collection started in December 2008.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 3.24 ft NGVD, Oct. 21, 1999; lowest, 1.00 ft below NGVD, May 16, 1983.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 1,000 mg/L, Oct. 05, 1977; lowest, 26 mg/L, July 29, 1993.

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	1115	430	0.48	34
November 21, 2011	1544	425	1.10	34
December 19, 2011	1605	425	.60	34
January 18, 2012	1545	438	.20	36
February 2, 2012	1215	433	.40	37
March 23, 2012	1202	441	.64	36
April 26, 2012	0923	430	.50	36
May 16, 2012	1332	437	1.02	34
June 20, 2012	1432	435	1.77	38
July 16, 2012	1348	447	1.98	38
August 14, 2012	1420	434	.68	36
September 27, 2012	1656	444	.71	31