



Water-Data Report 2012

261100080140401 Local number G 1212. USGS Observation Well near Fort Lauderdale, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°11'00.6", long 80°09'03.2" referenced to North American Datum of 1983, in SW ¼ SE ¼ NW ¼ sec.15, T.49 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, center well in cluster, at the northeast intersection of NW 46th Street and NW 5th Avenue. (Corrected)

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 223 ft. Upper casing diameter 2.5; top of first opening 220.5 ft, bottom of last opening 223 ft. See REMARKS.

DATUM.--Land-surface datum is 7.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Oct. 3, 1979, to present, measuring point has been top of casing, 7.32 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1979 (intermittent), November 1994 to current year. See REMARKS.

INSTRUMENTATION.--Monthly measurement with chalked steel tape or electric tape. See REMARKS.

REMARKS.--Well G -1212 replaces an older well originally recorded as "G-1212" at this site (USGS 261101080090301, "G -1212 drilled 1962") and is also used for salinity monitoring. The well appears to be obstructed by sand at a depth of 194 ft but is considered to remain in communication with the aquifer. Salinity monitoring began in October 1964, with quarterly sample collection starting in 1994. Water-level monitoring began in October 1979. Records of chloride concentration, in milligrams per liter, collected prior to April 1967 are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 5.92 ft NGVD, June 24, 2002; lowest, 0.94 ft NGVD, Dec. 27, 2001.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 110 mg/L, Mar. 2, 1972; lowest, 8 mg/L, Oct. 23, 2001.

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)
October 27, 2011	1336	551	2.81	66
November 18, 2011	1646	--	3.74	--
December 16, 2011	1716	--	2.62	--
January 20, 2012	1550	551	1.66	62
February 28, 2012	1008	--	1.91	--
March 26, 2012	1015	--	1.62	--
April 16, 2012	1540	548	2.64	56
May 15, 2012	1048	--	2.81	--
June 18, 2012	1128	--	2.83	--
July 9, 2012	1245	556	2.74	62
August 9, 2012	1312	--	2.68	--
September 18, 2012	1458	--	3.70	--