

Water-Data Report 2012

260342080115902 Local number G 2264. USGS Observation Well near Fort Lauderdale, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°03'42.1", long 80°11'59.0" referenced to North American Datum of 1983, in NW ¼ NW ¼ NW ¼ sec.31, T.50 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, 34 ft east of the SW 40th Avenue centerline, 400 ft south of the Griffin Road intersection.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Drilled, observation, water-table well, diameter 2 in., depth 203 ft, cased to 196 ft. Open hole 196 to 203 ft.

DATUM.--Land-surface datum is 4.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 27, 2000, to present, measuring point has been top of casing, 4.70 ft above National Geodetic Vertical Datum of 1929 (NGVD). Prior to November 2007, measuring point was top of casing, 3.88 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--July 1976 to April 2000 (intermittent), October 2000 to current year.

INSTRUMENTATION.--Quarterly measurement with chalked steel tape or electric tape.

REMARKS.--Well is also used for salinity monitoring, beginning in July 1976. Quarterly water level measurements began in November 2000. The top of casing measuring point was rebuilt after construction in the area raised the local land surface. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 2.95 ft NGVD, Oct. 3, 2007; lowest, 0.57 ft NGVD, Jan. 29, 2002.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 3,800 mg/L, Jan. 23, 2012, July 16, 2012; lowest, 24 mg/L, Oct. 9, 1981.

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 4, 2011	1212	11,550	1.45	3,600
January 23, 2012	1126	11,810	.89	3,800
April 4, 2012	1524	11,840	.92	3,700
July 16, 2012	1350	12,080	1.78	3,800