

255916080090401 Local number G 1435. USGS Observation Well near Hallandale, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 25°59'16.27", long 80°09'04.46" referenced to North American Datum of 1983, in NE ¼ NE ¼ NE ¼ sec.28, T.51 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, 14.5 ft north of NW 2nd Street centerline and 55 ft east of NW 3rd Avenue centerline.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 204 ft. Upper casing diameter 2 in.; top of first opening 196 ft, bottom of last opening 204 ft.

DATUM.--Land-surface datum is 11.77 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 11.68 ft above National Geodetic Vertical Datum of 1929, Oct. 4, 1979, to present.

PERIOD OF RECORD.--October 1979, July 1991 to current year. See REMARKS.

REVISED RECORDS.--
WDR FL-99-2B: 1998.

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

REMARKS.--This well has been used for salinity monitoring since September 1969, with intermittent to chloride sampling carried out until 1980. Monthly chloride samples were been collected February 1975 to June 1977, and October 1980 to September 1993. 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. Previously published figures of water level elevation, as feet NGVD for the 1998 water year are incorrect. Corrected records are available in the files of the U.S. Geological Survey. See REVISED RECORDS.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 5.80 ft NGVD, Oct. 4, 1979; lowest, 0.66 ft below NGVD, Apr. 14, 2011.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 10,100 mg/L, June 21, 2006; lowest, 24 mg/L, multiple dates, 1970 - 1976.

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 6, 2010	1038	25,300	1.97	8,900
January 25, 2011	0942	25,600	-.24	9,000
April 14, 2011	0957	25,400	-.66	8,900
July 7, 2011	1055	26,300	.05	8,900