

Water-Data Report 2012

252431080261002 Local number G -3946 S

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°24'30.7", long 80°26'09.7" referenced to North American Datum of 1983, Miami-Dade County, FL, Hydrologic Unit 03090202, 1.3 mi east of Old Card Sound Road (State Road 905A), 3 mi south of U.S. Highway 1 in Florida City, FL.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, depth 55 ft, diameter 1 in., cased to 52 ft, screened 52 to 55 ft.

DATUM.--Land-surface datum is 3.80 ft above National Geodetic Vertical Datum of 1929. Measuring point: From May 18, 2011, to present, measuring point has been top of casing, 3.30 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--November 2011 to current year.

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

REMARKS.--This well used for salinity monitoring.

EXTREMES FOR CURRENT YEAR.--

WATER-LEVEL ELEVATION: Highest water level measured, 2.89 ft NGVD, July 18; lowest, 1.24 ft NGVD, Apr. 4.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 1,800 mg/L, May 25, Sept. 20; lowest, 1,000 mg/L, Dec. 21.

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)
November 17, 2011	1430	4,340	2.16	1,330
December 21, 2011	1525	4,050	1.68	1,020
January 12, 2012	1430	4,710	1.47	1,380
February 17, 2012	1412	4,510	2.04	1,380
March 15, 2012	1258	4,540	1.56	1,400
April 4, 2012	1112	4,920	1.24	1,500
May 25, 2012	1241	5,650	2.65	1,760
June 22, 2012	1305	5,420	2.40	1,600
July 18, 2012	1406	5,530	2.89	1,680
August 24, 2012	1322	5,260	2.46	1,620
September 20, 2012	1516	5,800	2.75	1,799