



Water-Data Report 2009

253831080180204 Local number G -3313C

Biscayne aquifer
 Biscayne Limestone Aquifer
 Miami-Dade County, FL

LOCATION.--Lat 25°38'35.1", long 80°18'04.8" referenced to North American Datum of 1983, in NW ¼ NW ¼ NW ¼ sec.24, T.55 S., R.40 E., Miami-Dade County, FL, Hydrologic Unit 03090202, at USDA Agricultural Station, 50 ft east of SW 67th Avenue, 150 ft north of intersection of SW 67th Avenue and SW 138th Terrace, 2.1 mi east of U.S. Highway 1.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 110 ft. Upper casing diameter 1.5 in.; top of first opening 107 ft, bottom of last opening 110 ft.

DATUM.--Land-surface datum is 12.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 12.46 ft above National Geodetic Vertical Datum of 1929, Sept. 1984 to present. See REMARKS.

PERIOD OF RECORD.--1984 (intermittent), October 1996 to December 2008 (annual), January 2009 to current year (quarterly). See REMARKS.

INSTRUMENTATION.--Measurement with chalked steel tape or electric tape. See REMARKS.

REMARKS.--This station is used for salinity monitoring in conjunction with water-level measurements and induction logging at USGS 253831080180206 (G -3313E). The station measuring point was first surveyed to NGVD 2009, and records of water level as depth below measuring point have been computed for water-level elevation. Records of water-level elevation, in ft NGVD, prior to January 2009 are in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--

WATER-LEVEL ELEVATION: Highest water level measured, 2.40 ft NGVD, Oct. 18, 1996; lowest, 1.00 ft NGVD, May 7, 2009.

CHLORIDE CONCENTRATION: Highest measured chloride concentration, 4,600 mg/L, Oct. 22, 2002; lowest, 1,500 mg/L, Sept. 12, 1984.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

| Date | Time | Specific conductance, wat unf µS/cm @ 25 degC (00095) | Elev- ation, feet above NGVD (72020) | Chlor- ide, water, fltrd, mg/L (00940) |
|--------------|------|----------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|
| Jan 23... | 1310 | 13,200 | 1.01 | 4,400 |
| May 07... | 0944 | 13,100 | 1.00 | 4,300 |
| Jul 14... | 1110 | 11,800 | 2.25 | 3,900 |