



Water-Data Report 2011

252042080205201 Local number G -3934

Biscayne aquifer
Biscayne Limestone Aquifer
Miami-Dade County, FL

LOCATION.--Lat 25°20'42.1", long 80°20'51.9" referenced to North American Datum of 1983, in sec.32, T.58 S., R.40 E., Miami-Dade County, FL, Hydrologic Unit 03090202, about 11.8 mi southeast of Homestead, Florida.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 109 ft. Upper casing diameter 2 in.; top of first opening 87 ft, bottom of last opening 89 ft.

DATUM.--Land-surface datum is 3.10 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, in meter box, 2.63 ft above National Geodetic Vertical Datum of 1929, April 5, 2010, to present.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Water level
Apr 13	1.24

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2010 to current year.

INSTRUMENTATION.--Annual measurement with chalked or electronic tape. Annual profile with induction logger. See REMARKS.

REMARKS.--This station is also used for annual salinity monitoring, including an annual induction log since April 2010. Annual water-level measurements began in 2011. Induction logs are used to assess movement of the fresh-water/salt-water interface in ground water. See [RECORDS OF BULK CONDUCTIVITY](#).

In order to display changes in bulk conductivity between induction logs collected over the period of record, logs are adjusted to a mean conductivity value at a depth that corresponds to a stable lithologic feature which produces a consistent conductivity profile, based on data collected in 2010 and 2011. These adjustments compensate for variations in equipment response resulting from variations in environmental conditions and/or probe calibrations. For this station, the published induction logs have been adjusted to a mean response of 206 mS/m at a depth of 71.1 ft below land surface. The resulting plot from the log collected in 2011 is provided in this report. The original and corrected records of bulk conductivity, in millisiemens per meter, are available in files of the U.S. Geological Survey. The WY 2010 induction logs are published as well TPGW-3 in [Open-File Report 2010-1260](#).

COOPERATION.--Florida Power & Light Company.



WY 2011 Induction log results

Station: USGS 252042080205201 (USGS: G -3934)

Local well name: TPGW-3

