

Water-Data Report 2012

263115081483501 Local number L 5641.

Floridan aquifer system
Upper Floridan Aquifer

Lee County, FL

LOCATION.--Lat 26°31'14", long 81°48'34" referenced to North American Datum of 1927, in NW ¼ SE ¼ NE ¼ sec.33, T.45 S., R.25 E., Lee County, FL, Hydrologic Unit 03090204, at golf course in Fiddlesticks Country Club, 0.75 mi west of U.S. Interstate 75 on Daniels Road and 1.5 mi south on Palomino Street to gate house, 0.25 mi west on Fiddlesticks Boulevard to Cannongate Drive, 0.1 mi south to Tweedale Circle. Golf cart path is behind lot 300.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 1,410 ft. Upper casing diameter 4; top of first opening 950 ft, bottom of last opening 1,410 ft. Artesian well, open hole 950 to 1,410 ft.

DATUM.--Land-surface datum is 19.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 20, 2007, to present, measuring point has been "X" mark on L-5641 casing, 21.63 ft above National Geodetic Vertical Datum of 1929 (NGVD). From Dec. 14, 2004, to Nov. 19, 2007, measuring point was top of 4-in. reducer, 20.23 ft above NGVD. From May 14, 1984, to Aug. 13, 2004, measuring point was top of 4-in. coupling, 20.08 ft above NGVD. Prior to August 2004, measuring point was top of 4 in. coupling, 20.08 ft above NGVD, but was incorrectly considered to be 27.80 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--May 1984 to October 1991 (semiannual), January 1992 to October 1993 (monthly), December 1993 to September 1994 (intermittent), October 1994 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with pressure gage.

REMARKS.--In August 2004, the well was destroyed, then reconstructed and re-surveyed in 2005. The land-surface datum and height of the measuring point were corrected. The figures of water as elevation, in ft NGVD, from May 1984 to October 2004, are in error. Corrected records are in files of the U.S. Geological Survey (-7.7 ft correction applied to pressure-gage records). See DATUM. Well was also monitored for salinity, October 1991 to September 1993.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.3 ft NGVD, Sept. 14, 1992 and Jan. 30, 1998 (present datum); lowest, 39.3 ft Dec. 21, 1993 (present datum).

**WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**

[Measurement method: G, pressure gage. Water-level status: - , static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Jan 3	43.5	G	--	Jun 22	43.8	G	--
Feb 21	42.8	G	--	Sep 6	45.2	G	--
Apr 23	42.6	G	--				

Water year 2012 lowest: 42.6, Apr 23, 2012, highest: 45.2, Sep 6, 2012