

Water-Data Report 2012

264433081360601 Local number L 5708.

Floridan aquifer system
Upper Floridan Aquifer

Lee County, FL

LOCATION.--Lat 26°44'31", long 81°36'09" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.10, T.43 S., R.27 E., Lee County, FL, Hydrologic Unit 03090205, 250 ft west of residence, 700 ft south of Persimmon Ridge Road, 1.6 mi north then east of intersection of State Road 78 and Persimmon Ridge Road and 1.9 mi north of Alva.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 920 ft. Upper casing diameter 6; top of first opening 620 ft, bottom of last opening 920 ft. Artesian well, open hole 620 to 920 ft.

DATUM.--Land-surface datum is 16.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: From May 11, 2011, to present, measuring point has been 'X' on 4 in. reducer, 20.81 ft above National Geodetic Vertical Datum of 1929 (NGVD). Prior to Sept. 30, 2007, measuring point was estimated in error from topographic map information, 22 ft above NGVD. Prior to Feb. 23, 2011, measuring point was top of 4-in. by 2-in. reducer, surveyed in 2008, 18.66 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--May 1984 to September 1988 (semiannual), September 1989 to September 1993 (monthly), October 1993 to September 1994 (intermittent), October 1994 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with pressure gage.

REMARKS.--Well found destroyed Feb. 23, 2011 and repaired May 11, 2011. The figures of water level as elevation, in feet NGVD, prior to October 2008 are in error. A -2.9 ft correction, instead of -2.89 ft, has been applied to correct the water-level data because the accuracy of the pressure gage measurements made at this site is +/-0.1 ft. Corrected records are available in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.7 ft NGVD, Sept. 10, 1985, Sept. 30, 1986, Sept. 29, 1997 (present datum); lowest, 43.0 ft NGVD, Dec. 23, 2002 (present datum). See REMARKS.

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

[Measurement method: H, calibrated pressure gage; 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
Oct 31	52.6	H	--	Jun 22	51.7	G	--
Jan 4	50.0	G	--	Jul 12	51.6	G	--
Feb 22	50.3	G	--	Sep 5	53.3	G	--
Apr 27	50.6	G	--				

Water year 2012 lowest: 50.0, Jan 4, 2012, highest: 53.3, Sep 5, 2012