

Water-Data Report 2012

**263834082005301 Local number L 781.**

Intermediate aquifer system  
Hawthorn Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°38'36.0", long 82°00'51.7" referenced to North American Datum of 1983, in SW ¼ NW ¼ SE ¼ sec.16, T.44 S., R.23 E., Lee County, FL, Hydrologic Unit 03100103, 0.4 mi north of State Road 78 and 0.45 mi west of Chiquita Boulevard, and 3.5 mi northeast of Matlacha Post Office.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 290 ft. Upper casing diameter 6; top of first opening 82 ft, bottom of last opening 290 ft. Artesian well, open hole 82 to 290 ft.

DATUM.--Land-surface datum is 10.01 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Oct. 31, 1997, to present, measuring point has been top of flange, 12.28 ft above National Geodetic Vertical Datum of 1929 (NGVD). From October 1971 to Sept. 10, 1996, measuring point was top of shelf, 12.31 ft above NGVD. From October 1997 to September 1998, the measuring point was incorrectly considered to be top of shelf, 12.31 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1971 to September 1996 (daily), October 1997 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape.

REMARKS.--Conductivity and chloride profiles for the previous years are available in the files of the U.S. Geological Survey. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The figures of water level as elevation, in feet NGVD, from October 1997 to September 1999 are in error. A correction of -0.03 ft is required to correct water-level data for the period October 1997 to September 1999. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 4.24 ft NGVD, Oct. 14, 1977; lowest measured water level, 58.87 ft below NGVD, Apr. 19, 2007.

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

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 21	-33.14	S	--	Apr 19	-56.07	S	--
Dec 30	-38.96	S	--	Jun 18	-48.14	S	--
Feb 15	-43.49	S	--	Aug 30	-32.08	S	--

Water year 2012 lowest: -56.07, Apr 19, 2012, highest: -32.08, Aug 30, 2012