

Water-Data Report 2011

**263743082041201 Local number L 2645.**

Intermediate aquifer system  
Hawthorn Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°37'43.6", long 82°04'12.3" referenced to North American Datum of 1983, in NW ¼ SW ¼ sec.24, T.44 S., R.22 E., Lee County, FL, Hydrologic Unit 03100103, across the street from the Matlacha Fire House at Matlacha Park and 0.1 mi south of Matlacha Post Office.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 210 ft. Upper casing diameter undefined; top of first opening 160 ft, bottom of last opening 210 ft. Artesian well, open hole 160 to 210 ft.

DATUM.--Land-surface datum is 5.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of cap, for chalked tape, 8.64 ft above National Geodetic Vertical Datum of 1929 (NGVD), April 20, 2004, to present. From May 26, 1978, to present, measuring point has been top of 8-in. casing, for pressure gage, 8.24 ft above NGVD.

PERIOD OF RECORD.--May 1978 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape or pressure gage.

REMARKS.--Well was monitored for salinity until September 2004. This well is open to the aquifer from 160 to 210 ft. The exact depth from which the chloride-containing water is emanating cannot be further delineated. Records of water levels prior to October 1978 are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Nov. 26, 1985; lowest, 0.85 ft above NGVD, Jan. 30, 2009.

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

[Measurement method: S, steel tape; 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 20	7.99	S	--	Apr 25	5.22	S	--
Dec 16	6.76	S	--	Jul 5	4.77	S	--
Feb 24	6.70	S	--	Aug 25	8.5	G	--

Water year 2011 lowest: 4.77, Jul 5, 2011, highest: 8.5, Aug 25, 2011