



Water-Data Report 2011

264120082022101 Local number L 1113.

Intermediate aquifer system
Hawthorn Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°41'26.3", long 82°02'19.8" referenced to North American Datum of 1983, in SW ¼ NW ¼ sec.32, T.43 S., R.23 E., Lee County, FL, Hydrologic Unit 03100103, 100 ft northeast of intersection of Van Buren Parkway and Burnt Store Road (County Road 765), 3.5 mi north of Pine Island Road, and 5.1 mi northeast of Matlacha Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 230 ft. Upper casing diameter 2 in.; top of first opening 126 ft, bottom of last opening 230 ft. Artesian well, open hole 126 to 230 ft. See REMARKS.

DATUM.--Land-surface datum is 7.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. steel casing, 10.77 ft above National Geodetic Vertical Datum of 1929 (NGVD), May 26, 2005, to present. From Feb. 1970 to May 25, 2005, measuring point was Top of 2-in. casing, 10.90 ft above NGVD. From April 1993 to September 2000, the measuring point was considered to be 10.54 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--February 1970 to September 1993 (intermittent), October 1993 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape.

REMARKS.--The figures of water level as elevation, in ft NGVD, from April 1993 to September 2000, are incorrect. Corrected records are available in the files of the U.S. Geological Survey. This well is reported as open hole from 126 to 230 ft. Well has collapsed or is obstructed 128 ft below land surface. It is considered that this does not affect the water levels. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.4 ft NGVD, Oct. 12, 1976; lowest, 48.64 ft below NGVD, May 23, 2011.

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

[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 20	-37.62	S	--	May 23	-48.64	S	--
Dec 16	-37.19	S	--	Jul 5	-40.14	S	--
Feb 24	-38.85	S	--	Aug 25	-31.06	S	--
Apr 25	-46.02	S	--	Sep 16	-31.66	S	--

Water year 2011 lowest: -48.64, May 23, 2011, highest: -31.06, Aug 25, 2011