

Water-Data Report 2011

262622082074401 Local number L 2524.

Intermediate aquifer system
Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°26'23", long 82°07'44" referenced to North American Datum of 1927, in NE ¼ NW ¼ sec.29, T.46 S., R.21 E., Lee County, FL, Hydrologic Unit 03100103, at end of West Gulf Drive, north of road, 4.0 mi south of Sanibel Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 625 ft. Upper casing diameter 4 in.; top of first opening 512 ft, bottom of last opening 625 ft. Artesian well, open hole 512 to 625 ft.

DATUM.--Land-surface datum is 5.20 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in. coupling, used for tapedown measurements, 7.98 ft above National Geodetic Vertical Datum of 1929 (NGVD), June 17, 2009, to present. From Oct. 5, 1982, to present, measuring point has been top of 8-in. casing, for pressure gage measurements, 7.66 ft above NGVD. From Oct. 5, 1982, to June 17, 2009, measuring point was top of well cap, used for tapedown measurements, 7.86 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1977 to September 1993 (monthly), October 1993 to September 1994 (semiannual), October 1994 to September 2009 (monthly), October 2009 to current year.

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

REMARKS.--Records of water levels, prior to October 1983, are available in the files of the U.S. Geological Survey. There is uncertainty as to the measuring point used prior to 1999. Well was repaired June 2009. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.2 ft NGVD, June 7, 1978; lowest, 2.86 ft below NGVD, June 20, 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 18	5.26	S	--	Apr 18	-1.09	S	--
Dec 21	4.61	S	--	Jun 20	-2.86	S	--
Feb 25	2.34	S	--	Aug 23	2.81	S	--

Water year 2011 lowest: -2.86, Jun 20, 2011, highest: 5.26, Oct 18, 2010