

Water-Data Report 2011

262710082005301 Local number L 585.

Intermediate aquifer system
Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°27'11", long 82°00'55" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.21, T.46 S., R.23 E., Lee County, FL, Hydrologic Unit 03100103, 200 ft west of Sanibel Island Lighthouse, along trail from lighthouse to beach at Point Ybel, 7 mi east of Sanibel Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, artesian well, diameter 6 in., depth 475 ft, cased to 335 ft.

DATUM.--Land-surface datum is 1.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in. fitting, between installed gate valves, 3.23 ft above National Geodetic Vertical Datum of 1929 (NGVD), Jan. 26, 2007, to present. From Nov. 2, 1998, to Sept. 30, 2006, measuring point was reference mark on 3-in. brass exhaust port for gate valve, 4.78 ft above NGVD. From June 9, 1994, to Nov. 2, 1998, measuring point was reference mark, on NW corner of meter box, 3.24 ft above NGVD. From Mar. 24, 1993, to June 9, 1994, measuring point was top of plug, 3.66 ft above NGVD. From Oct. 1990 to Mar. 24, 1993, measuring point was base of faucet, 2.93 ft above NGVD. From Jan. 1964 to Sept. 30, 1990, measuring point was top of 6-in. plug, 4.83 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--January 1964 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.

REMARKS.--Records of water levels prior to October 1981 are available in files of the U.S. Geological Survey. The well was also used for salinity monitoring from October 1982 to April 1993. The station was inaccessible as a result of construction, October 2006 through December 2006. A new measuring point was established January 26, 2007. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.3 ft NGVD, July 26, 1988; lowest, 21.2 ft NGVD, Jan. 28, 1988.

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

[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 18	27.0	H	--	Apr 18	27.3	G	--
Dec 21	26.6	G	--	Jun 20	26.2	G	--
Feb 25	27.3	G	--	Aug 23	27.5	G	--

Water year 2011 lowest: 26.2, Jun 20, 2011, highest: 27.5, Aug 23, 2011