

Water-Data Report 2007

262706081435401 Local number L 1853.

Intermediate aquifer system

Sandstone Aquifer

Lee County, FL

LOCATION.--Lat 26°27'06", long 81°43'57" referenced to North American Datum of 1983, in NW ¼ SW ¼ SE ¼ sec.20, T.46 S., R.26 E., Lee County, FL, Hydrologic Unit 03090204, 17 ft north of Corkscrew Road, 3.2 mi east of U.S. Interstate 75, and 6.0 mi east of Estero Post Office.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 210 ft. Upper casing diameter 4 in, top of first opening 130 ft, bottom of last opening 210 ft. Artesian well, open hole 130 to 210 ft.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 24.80 ft above National Geodetic Vertical Datum of 1929, Nov. 1974 to present. Prior to October 2000, measuring point was considered to be 24.73 ft above NGVD.

PERIOD OF RECORD.--November 1974 to September 1995 (monthly), October 1995 to September 1996 (quarterly), October 1996 to current year.

INSTRUMENTATION.--Monthly measurement with chalked tape.

REMARKS.--Records of water levels prior to October 1975 are available in the files of the U.S. Geological Survey. Well was monitored for salinity from May 1981 to 1992. The casing is cracked at approximately 15 ft. In January 2002, the well was resurveyed. The figures of water level as elevation, in feet NGVD, prior to October 2000, are in error. A correction of +0.07 ft is required to correct the water-level data. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.13 ft NGVD, Sept. 22, 2004; lowest, 14.09 ft below NGVD, Mar. 26, 2007.

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**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006
TO SEPTEMBER 2007**

Date	Time	Elev- ation, feet above NGVD (72020)
Oct		
12...	0718	4.70
Nov		
30...	1143	-1.74
Dec		
18...	0936	-3.07
Feb		
09...	1013	-7.49
Mar		
05...	1302	-8.97
26...	1012	-14.09
Apr		
26...	1457	-12.64
May		
24...	1518	-8.52
Jun		
20...	1250	-4.02
Jul		
20...	1403	1.04
Aug		
30...	1043	2.27