

Water-Data Report 2011

261740081235401 Local number C 684.

Intermediate aquifer system
Hawthorn Limestone Aquifer

Collier County, FL

LOCATION.--Lat 26°17'42", long 81°23'43" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.23, T.48 S., R.29 E., Collier County, FL, Hydrologic Unit 03090204, 25 ft south of County Road 858, 3.4 mi west of State Road 29, and 4.0 mi northwest of Sunniland.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 490 ft. Upper casing diameter 4 in.; top of first opening 440 ft, bottom of last opening 490 ft. Artesian well, open hole 440 to 490 ft.

DATUM.--Land-surface datum is 19.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of PVC casing, 22.37 ft above National Geodetic Vertical Datum of 1929 (NGVD), Nov. 27, 1980, to present. Prior to Oct. 1982, measuring point was Top of casing, 21.02 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--November 1980 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.--The figures of water level as elevation, in feet NGVD, prior to October 1982 are in error. A correction of +1.4 ft has been applied to correct water-level data. Corrected records are in files of the U.S. Geological Survey. See DATUM. Records of water levels prior to October 1981 are available in files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.4 ft NGVD, Oct. 9, 30, 1996; lowest, 29.8 ft NGVD, June 20, 2007.

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

[Measurement method: 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	34.5	G	--	Apr 27	34.6	G	--
Dec 14	34.2	G	--	Jun 16	30.8	G	--
Feb 15	32.2	G	--	Aug 17	33.6	G	--

Water year 2011 lowest: 30.8, Jun 16, 2011, highest: 34.6, Apr 27, 2011