

Water-Data Report 2012

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; 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: From Aug. 23, 2012, to present, measuring point has been 'X' on brass gate valve, 22.40 ft above National Geodetic Vertical Datum of 1929 (NGVD). From Nov. 27, 1980, to Aug. 23, 2012, measuring point was top of PVC casing, 22.37 ft above NGVD. Prior to October 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. Records of water levels prior to October 1981 are available in files of the U.S. Geological Survey. Well repaired August 23, 2012. See DATUM.

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 2011 TO SEPTEMBER 2012**

[Measurement method: G, pressure gage. Water-level status: - - , static; S, nearby site that taps the same aquifer was being pumped.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 27	32.1	G	--	Apr 17	32.7	G	--
Dec 15	32.2	G	--	Jun 19	32.8	G	--
Feb 23	32.5	G	--	Aug 27	31.7	G	S

Water year 2012 lowest: 32.1, Oct 27, 2011, highest: 32.8, Jun 19, 2012