Water-Data Report 2012

262521081161901 Local number C 131.

Surficial aquifer system
Nonartesian Sand Aquifer

Collier County, FL

LOCATION.--Lat 26°25′20″, long 81°16′19″ referenced to North American Datum of 1927, in NE ¼ SE ¼ NE ¼ sec.1, T.47 S., R.30 E., Collier County, FL, Hydrologic Unit 03090204, 50 ft northeast of the intersection of County Road 846 and County Road 858, at the Collier/Hendry County line and 9 mi east of Immokalee.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 54 ft. Upper casing diameter 6; top of first opening 22 ft, bottom of last opening 54 ft. Open hole 22 to 54 ft. See REMARKS.

DATUM.--Land-surface datum is 29.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Nov. 28, 1979, to present, measuring point has been top of recorder shelf, 29.65 ft above National Geodetic Vertical Datum of 1929 (NGVD). From October 1975 to Oct. 1, 1980, measuring point was top of base, 29.71 ft above NGVD. Prior to October 1975, measuring point was top of base, 29.60 ft above NGVD. Prior to October 1975, measuring point was considered to be top of casing, 29.60 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--June 1952 to September 1996 (daily), October 1996 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape.

REMARKS.--Water levels affected by nearby irrigation. The well's open-hole interval has collapsed or become obstructed at a depth of 25 ft, but the well remains in communication with the aquifer. Records of water levels prior to October 1973 are available in files of the U.S. Geological Survey. The figures of water level as elevation, in feet NGVD, prior to October 1975 are considered to be in error. A correction of +0.05 ft may be required to correct water-level data. The figures of water level as elevation, in feet NGVD, from October 1975 to September 1980 may also be in error. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 26.83 ft NGVD, present datum, Oct. 9, 1953; lowest, 15.73 ft NGVD, Apr. 14, 1989.

WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[Measurement method: S, steel tape. 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 18	25.46	S	--	Apr 18	19.96	S	--
Dec 15	22.74	S	--	Jun 19	20.83	S	--
Feb 27	21.59	S	S	Aug 23	22.88	S	--

Water year 2012 lowest: 19.96, Apr 18, 2012, highest: 25.46, Oct 18, 2011

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 262521081161901, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/262521081161901.2012.pdf