

Water-Data Report 2012

262505081245301 Local number C 258.

Intermediate aquifer system
Limestone Aquifer

Collier County, FL

LOCATION.--Lat 26°25'03", long 81°24'58" referenced to North American Datum of 1927, in NW ¼ SW ¼ sec.3, T.47 S., R.29 E., Collier County, FL, Hydrologic Unit 03090204, 100 ft south of County Road 29, 500 ft east of State Road 846 and 0.10 mi east southeast of the Immokalee Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Drilled, observation, artesian well, diameter 4 in., depth 783 ft.

DATUM.--Land-surface datum is 35.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 2, 2007, to present, measuring point has been top of 2 in. PVC reducer, 39.50 ft above National Geodetic Vertical Datum of 1929 (NGVD). From Mar. 19, 2006, to Feb. 21, 2007, measuring point was pressure coupling bolt, 38.46 ft above NGVD. Prior to Nov. 22, 2005, measuring point was top of 4 in. steel well cap, 36.46 ft above NGVD. Prior to Sept. 1991, the top of the steel well cap was considered to be 37.1 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--April 1981 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.--Station was also used for salinity monitoring, May 1981 to April 1993. Records of water levels and chloride concentrations prior to October 1983 are available in files of the U.S. Geological Survey. The figures of water levels as elevation, in feet NGVD, prior to October 1991 are in error. A correction of -0.6 ft has been applied to correct water-level data. The well was damaged on November 22, 2005, reconstructed March 19, 2006. A new measuring point was established April 2, 2007. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.2 ft NGVD, Sept. 04, 2012; lowest, 51.5 ft NGVD, May 29, 1984, June 24, 1987, and Feb. 15, 2011 (present datum). See REMARKS.

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

[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 27	56.5	G	--	Apr 17	55.2	G	--
Dec 15	56.7	G	--	Jun 19	56.8	G	--
Feb 23	57.0	G	--	Sep 4	58.2	G	--

Water year 2012 lowest: 55.2, Apr 17, 2012, highest: 58.2, Sep 4, 2012