

Water-Data Report 2006

262158081283402 Local number C 983.

Intermediate aquifer system
Hawthorn Limestone Aquifer

Collier County, FL

LOCATION.--Lat 26°22'00", long 81°28'36" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Collier County, FL, Hydrologic Unit 03090204, 30 ft north of County Road 846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 520 ft. Upper casing diameter 2 in., top of first opening 480 ft, bottom of last opening 520 ft. Artesian well, open hole 480 to 520 ft.

DATUM.--Land-surface datum is 21.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: X on top of carriage bolt, 24.61 ft above National Geodetic Vertical Datum of 1929, Sep. 18, 2003, to present. From October 1984 to August 8, 2003, measuring point was "X" on top of 2 in. reducer, 21.04 ft above NGVD. From October 1, 1986 to October 2001, top of reducer was incorrectly considered to be 16.70 ft above NGVD. Prior to October 1, 1986, top of reducer was considered to be 20.68 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1984 to August 2003 (monthly), September 2003 to current. See REMARKS.

GAGE.--Satellite data collection platform with pressure transducer.

REMARKS.--Records of water level as elevation, in ft NGVD, for Water Year 2006 are under review and not available for release at time of publication. The figures of water level as elevation, in feet NGVD, prior to October 2001 are in error. A +4.34 ft correction has been applied to correct water-level data from October 1986 to September 2001. A +0.36 ft correction has been applied to correct water-level data prior to October 1986. Corrected records are in files of the U.S. Geological Survey. Extremes for the period of record have been adjusted to present datum. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 36.27 ft above NGVD, Oct. 24, 2005; lowest water level measured, 20.56 ft NGVD, May 28, 1985.