

Water-Data Report 2012

261311081480101 Local number C 1061.

Surficial aquifer system
Nonartesian Sand Aquifer

Collier County, FL

LOCATION.--Lat 26°13'11.0", long 81°48'01.3" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec.10, T.49 S., R.25 E., Collier County, FL, Hydrologic Unit 03090204, 150 ft south of Center Street and 200 ft east of U.S. Highway 41, 6.6 mi northwest of Collier County Government Center.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 25 ft. Upper casing diameter 4; top of first opening 10 ft, bottom of last opening 25 ft.

DATUM.--Land-surface datum is 14.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: From April 24, 1986, to present, measuring point has been top of casing, 17.78 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--April 1986 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape.

REMARKS.--Well is also used for salinity monitoring.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.95 ft NGVD, July 23, 1992; lowest, 9.91 ft NGVD, May 21, 2001.

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

[Measurement method: S, steel tape. Water-level status: --, static.]

| Date | Water level | Measure-ment method | Water-level status | Date | Water level | Measure-ment method | Water-level status |
|--------|-------------|---------------------|--------------------|--------|-------------|---------------------|--------------------|
| Oct 12 | 13.12 | S | -- | Apr 20 | 11.80 | S | -- |
| Dec 15 | 12.87 | S | -- | Jun 19 | 11.40 | S | -- |
| Feb 16 | 12.26 | S | -- | Aug 23 | 12.69 | S | -- |

Water year 2012 lowest: 11.40, Jun 19, 2012, highest: 13.12, Oct 12, 2011

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WATER-QUALITY RECORDS

WATER-QUALITY DATA

WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[mg/L, milligrams per liter; °C, degrees Celsius; $\mu\text{S}/\text{cm}$,
microsiemens per centimeter]

| Date | Sample start time | Specific conduc- tance, water, unfiltered, $\mu\text{S}/\text{cm}$ at 25°C (00095) | Chloride, water, unfiltered, mg/L (99220) |
|------------------|----------------------|---|---|
| October 12, 2011 | 1532 | 782 | 129 |
| April 20, 2012 | 1121 | 848 | 153 |