



Water-Data Report 2012

**261200081483001 Local number C 528.**

Intermediate aquifer system  
Tamiami Formation

Collier County, FL

LOCATION.--Lat 26°11'59", long 81°48'30" referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.16, T.49 S., R.25 E., Collier County, FL, Hydrologic Unit 03090204, 15 ft east and 15 ft north of the intersection of Crayton Road and Turtle Hatch Road and 2.25 mi northwest of the Naples Post Office.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Depth 80 ft. Upper casing diameter 2; top of first opening 63 ft, bottom of last opening 80 ft. Artesian well, open hole 63 to 80 ft.

DATUM.--Land-surface datum is 5.40 ft above National Geodetic Vertical Datum of 1929. Measuring point: From Oct. 17, 1975, to present, measuring point has been top of casing, 4.39 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--October 1975 to April 1982 (semiannual), October 1982 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with chalked tape.

REMARKS.--Well is also used for salinity monitoring. The well was originally open to the aquifer from 63 to 80 ft. The open interval collapsed or became obstructed at a depth of 66 ft. During the 2001 water year chloride samples were collected using a pump. The exact depth from which the chloride-containing water emanated could not be further delineated.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, well flowing above 4.39 ft NGVD, July 29, 1985; lowest, 0.02 ft NGVD, June 17, 2011.

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

[Measurement method: S, steel tape. Water-level status: --, static; B, level affected by tide stage.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 12	3.23	S	--	Apr 19	2.45	S	--
Dec 15	1.70	S	--	Jun 19	2.88	S	--
Feb 16	2.06	S	--	Aug 23	3.67	S	B

Water year 2012 lowest: 1.70, Dec 15, 2011, highest: 3.23, 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]

<b>Date</b>	<b>Sample start time</b>	<b>Specific conduc- tance, water, unfiltered, <math>\mu\text{S}/\text{cm}</math> at 25°C (00095)</b>	<b>Chloride, water, unfiltered, mg/L (99220)</b>
<b>October 12, 2011</b>	<b>1413</b>	413	21
<b>April 19, 2012</b>	<b>1359</b>	414	19