



Water-Data Report 2012

263955082083102 Local number L 2820.

Intermediate aquifer system
Hawthorn Limestone Aquifer

Lee County, FL

LOCATION.--Lat 26°39'52.9", long 82°08'30.3" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.6, T.44 S., R.22 E., Lee County, FL, Hydrologic Unit 03100103, 10 ft west of H. Stringfellow Road (County Road 767) and 3.95 mi north of Pine Island Road, and 3.0 mi southwest of Bokeelia Post Office.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 241 ft. Upper casing diameter 4; top of first opening 192 ft, bottom of last opening 241 ft. Artesian well, open hole 192 to 241 ft.

DATUM.--Land-surface datum is 9 ft above National Geodetic Vertical Datum of 1929. Measuring point: From October 1999 to present, measuring point has been top of well cap, for chalked-tape measurements, 11.04 ft above National Geodetic Vertical Datum of 1929 (NGVD). From October 1978 to present, measuring point has been top of 8-in. casing, for pressure-gage measurements, 10.6 ft above NGVD.

PERIOD OF RECORD.--October 1978 to September 2009 (monthly), October 2009 to current year.

GAGE.--Bimonthly measurement with pressure gage or chalked tape.

REMARKS.--Well is also used for salinity monitoring, 1978 to present. This well is open to the aquifer from 192 to 241 ft. The exact depth from which the chloride-containing water is emanating cannot be further delineated.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.6 ft NGVD, Nov. 26, 1985; lowest, 1.69 ft NGVD, Apr. 15, 2009.

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

[Measurement method: G, pressure gage; Z, other. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Oct 21	11.8	G	--	May 1	11.17	Z	--
Dec 13	11.8	G	--	Jun 18	10.8	G	--
Feb 15	11.8	G	--	Aug 29	12.8	G	--

Water year 2012 lowest: 10.8, Jun 18, 2012, highest: 12.8, Aug 29, 2012

263955082083102 Local number L 2820.—Continued

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 21, 2011	1610	2,631	750
May 1, 2012	1113	3,045	862