



Water-Data Report 2008

**284456082053102 Local number LP-5 40 ft NRSD Well at Lake Panasoffkee, FL.**

Surficial aquifer system  
 Nonartesian Sand Aquifer  
 Sumter County, FL

LOCATION.--Lat 28°44'57", long 82°05'30" referenced to North American Datum of 1983, in SW ¼ SW ¼ NE ¼ sec.15, T.20 S., R.22 E., Sumter County, FL, Hydrologic Unit 03100208, 70 ft north of CR470 at junction of CR527E and 1.8 mi east of Sumterville, FL. Westernmost well in nest.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 40 ft. Upper casing diameter 2 in; top of first opening 20 ft, bottom of last opening 40 ft.

DATUM.--Land-surface datum is 63.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Mark on top of PVC casing, 3.47 ft above land-surface datum, Jan. 23, 2007, to present. Prior to January 22, 2007, measuring point elevation was 64.81 ft, no change in land-surface datum.

PERIOD OF RECORD.--September 2004 to September 2008 (periodic).

COOPERATION.--Well installed and maintained by Southwest Florida Water Management District.

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004**

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

Date	Water level	Measurement method	Water-level status
Sep 24	47.49	S	--

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

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

Date	Water level	Measurement method	Water-level status	Date	Water level	Measurement method	Water-level status
May 24	44.96	S	--	Sep 21	46.28	S	--

Water year 2005; lowest: 44.96 May 24, 2005 highest: 46.28 Sep 21, 2005

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

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

Date	Water level	Measurement method	Water-level status	Date	Water level	Measurement method	Water-level status
Dec 21	45.61	S	--	Aug 1	43.18	S	--
Feb 2	45.07	S	--	3	43.14	S	--
Mar 1	45.67	S	--	Sep 20	42.72	S	--
May 18	43.81	S	--				

Water year 2006; lowest: 42.72 Sep 20, 2006 highest: 45.67 Mar 01, 2006

**284456082053102 Local number LP-5 40 ft NRSD Well at Lake Panasoffkee, FL.—Continued****WATER SURFACE ELEVATION IN FEET NGVD 1929  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

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

<b>Date</b>	<b>Water level</b>	<b>Measure- ment method</b>	<b>Water- level status</b>	<b>Date</b>	<b>Water level</b>	<b>Measure- ment method</b>	<b>Water- level status</b>
Nov 16	42.15	S	--	Jul 24	41.47	T	--
Jan 22	43.61	T	--	Sep 26	42.62	S	--
May 26	40.84	S	--				

Water year 2007; lowest: 40.84 May 26, 2007 highest: 43.61 Jan 22, 2007

**WATER SURFACE ELEVATION IN FEET NGVD 1929  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

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

<b>Date</b>	<b>Water level</b>	<b>Measure- ment method</b>	<b>Water- level status</b>	<b>Date</b>	<b>Water level</b>	<b>Measure- ment method</b>	<b>Water- level status</b>
May 22	43.05	S	--	Sep 19	46.08	S	--

Water year 2008; lowest: 43.05 May 22, 2008 highest: 46.08 Sep 19, 2008

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water year 2007.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 3

[Remark codes: <, less than.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std (00400)	Specif. conduc- tance, wat unfltrd lab, µS/cm 25 degC (90095)	Specif- ic conduc- tance, wat unfltrd lab, µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt lab, mg/L as CaCO3 (29801)	Alka- linity, wat flt inf tit field, mg/L as CaCO3 (39086)
Jul 24...	1100	762	1.9	6.2	198	197	25.1	28.9	1.74	1.09	7.19	84	81

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 3

[Remark codes: <, less than.]

Date	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Organic carbon, water, fltrd, mg/L (00681)	Stront- ium, water, fltrd, µg/L (01080)	Sr-87/ Sr-86 ratio, water, fltrd, per mil (75978)
Jul 24...	.04	7.19	6.72	4.80	<.10	<.020	.16	<.002	.072	.06	1.2	53.0	.70828

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2006  
TO SEPTEMBER 2007**

Part 3 of 3

[Remark codes: <, less than.]

Date	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
Jul 24...	-20.86	-4.04