



Water-Data Report 2007

285543081133812 Local number LYONIA PRESERVE LSAS (V-0880) AT DELTONA, FL

Surficial aquifer system
 Sand and Gravel Aquifer
 Volusia County, FL

LOCATION.--Lat 28°55'43", long 81°13'38" referenced to North American Datum of 1983, in NW ¼ SE ¼ NW ¼ sec.16, T.18 S., R.31 E., Volusia County, FL, Hydrologic Unit 03080101, located near north end of the Lyonia Preserve, 0.4 mi south of Eustace Ave., 0.3 mi west of Providence Road, 2 mi south of Howland Blvd., and 5 mi east of Interstate 44 at Deltona, FL. Owner: St. Johns River Water Management District.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 60.4 ft. Upper casing diameter 2 in, top of first opening 55 ft, bottom of last opening 60.4 ft. Drilled, screened, monitor well, cased to 55 ft.

DATUM.--Land-surface datum is 47.04 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in casing, 3.12 ft above land-surface datum, Aug. 18, 2005, to present.

PERIOD OF RECORD.--August 2005 to January 2007 (monthly); February 2007 to April 2007; April 2007 to May 2007 (monthly), discontinued.

**WATER SURFACE ELEVATION IN FEET NGVD 1929
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: T, electric tape; . Water-level status: --, static; S, nearby site that taps the same aquifer was being pumped; T, nearby site that taps the same aquifer had been pumped recently.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 3	10.48	T	--	Feb 22	9.34	T	S
Nov 1	9.94	T	--	23	9.54	T	--
30	9.93	T	--	27	9.54	T	--
Dec 29	9.80	T	--	27	9.35	T	S
Jan 31	9.79	T	--	27	9.39	T	S
Feb 9	9.89	T	--	27	9.33	T	S
14	9.94	T	--	28	9.12	T	S
15	9.69	T	--	28	9.22	T	S
20	9.57	T	--	28	9.25	T	S
20	9.29	T	S	28	9.24	T	S
20	9.42	T	S	Mar 1	9.15	T	S
20	9.39	T	S	1	9.23	T	S
21	9.25	T	S	1	9.32	T	S
21	9.27	T	S	1	9.34	T	S
21	9.33	T	S	2	9.27	T	S
21	9.34	T	S	2	9.53	T	T
22	9.17	T	S	Apr 2	8.74	T	--
22	9.16	T	S	May 23	7.80	T	--
22	9.32	T	S				

Water year 2007; lowest: 7.80 May 23, 2007 highest: 10.48 Oct 03, 2006

Period of record; lowest: 7.8 May 23, 2007 highest: 15.7 Nov 03, 2005

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	9.36	8.80	---	---	---	---	---
2	---	---	---	---	---	9.62	8.75	---	---	---	---	---
3	---	---	---	---	---	9.54	---	---	---	---	---	---
4	---	---	---	---	---	9.50	---	---	---	---	---	---
5	---	---	---	---	---	9.45	---	---	---	---	---	---
6	---	---	---	---	---	9.42	---	---	---	---	---	---
7	---	---	---	---	---	9.44	---	---	---	---	---	---
8	---	---	---	---	---	9.41	---	---	---	---	---	---
9	---	---	---	---	---	9.39	---	---	---	---	---	---
10	---	---	---	---	9.86	9.35	---	---	---	---	---	---
11	---	---	---	---	9.76	9.29	---	---	---	---	---	---
12	---	---	---	---	9.82	9.27	---	---	---	---	---	---
13	---	---	---	---	10.00	9.27	---	---	---	---	---	---
14	---	---	---	---	9.95	9.25	---	---	---	---	---	---
15	---	---	---	---	9.82	9.29	---	---	---	---	---	---
16	---	---	---	---	9.82	9.41	---	---	---	---	---	---
17	---	---	---	---	9.77	9.30	---	---	---	---	---	---
18	---	---	---	---	9.79	9.13	---	---	---	---	---	---
19	---	---	---	---	9.65	9.11	---	---	---	---	---	---
20	---	---	---	---	9.65	9.13	---	---	---	---	---	---
21	---	---	---	---	9.38	9.10	---	---	---	---	---	---
22	---	---	---	---	9.36	9.11	---	---	---	---	---	---
23	---	---	---	---	9.61	9.11	---	---	---	---	---	---
24	---	---	---	---	9.57	9.03	---	---	---	---	---	---
25	---	---	---	---	9.64	8.97	---	---	---	---	---	---
26	---	---	---	---	9.66	8.98	---	---	---	---	---	---
27	---	---	---	---	9.58	8.98	---	---	---	---	---	---
28	---	---	---	---	9.26	8.92	---	---	---	---	---	---
29	---	---	---	---	---	8.85	---	---	---	---	---	---
30	---	---	---	---	---	8.86	---	---	---	---	---	---
31	---	---	---	---	---	8.85	---	---	---	---	---	---
Max	---	---	---	---	---	9.62	---	---	---	---	---	---
Min	---	---	---	---	---	8.85	---	---	---	---	---	---