



Water-Data Report 2007

**285543081133803 Local number LYONIA PRESERVE PART PENETRAT(V-0855)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 69.2 ft. Upper casing diameter 6 in, top of first opening 39 ft, bottom of last opening 69.2 ft. Drilled, screened, monitor/production well, cased to 39 ft.

DATUM.--Land-surface datum is 45.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in casing, 3.03 ft above land-surface datum, Aug. 19, 2005, to present.

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

REMARKS.--Water levels on February 28, 2007 and March 1, 2007 were affected by pumping of this well.

**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; R, site had been pumped recently.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Oct 3	10.49	T	--	Feb 21	9.28	T	S
Nov 1	9.95	T	--	21	9.21	T	S
30	9.93	T	--	22	9.07	T	S
Dec 29	9.81	T	--	22	9.09	T	S
Jan 31	9.81	T	--	22	9.24	T	S
Feb 9	9.90	T	--	22	9.22	T	S
14	9.96	T	--	23	9.56	T	--
14	9.97	T	--	23	9.59	T	--
15	9.71	T	--	27	9.55	T	--
20	9.58	T	--	Mar 2	9.56	T	R
20	9.20	T	S	8	9.37	T	--
20	9.28	T	S	8	9.37	T	--
20	9.30	T	S	Apr 2	8.75	T	--
21	9.15	T	S	May 23	7.82	T	--
21	9.17	T	S				

Water year 2007; lowest: 7.82 May 23, 2007 highest: 10.49 Oct 03, 2006

Period of record; lowest: 7.8 May 23, 2007 highest: 15.4 Dec 01, 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	---	---	---	---	---	-13.71	8.81	---	---	---	---	---
2	---	---	---	---	---	9.64	8.75	---	---	---	---	---
3	---	---	---	---	---	9.55	---	---	---	---	---	---
4	---	---	---	---	---	9.52	---	---	---	---	---	---
5	---	---	---	---	---	9.47	---	---	---	---	---	---
6	---	---	---	---	---	9.43	---	---	---	---	---	---
7	---	---	---	---	---	9.46	---	---	---	---	---	---
8	---	---	---	---	---	9.41	---	---	---	---	---	---
9	---	---	---	---	---	9.39	---	---	---	---	---	---
10	---	---	---	---	9.87	9.35	---	---	---	---	---	---
11	---	---	---	---	9.77	9.30	---	---	---	---	---	---
12	---	---	---	---	9.85	9.28	---	---	---	---	---	---
13	---	---	---	---	10.03	9.28	---	---	---	---	---	---
14	---	---	---	---	9.99	9.26	---	---	---	---	---	---
15	---	---	---	---	9.85	9.29	---	---	---	---	---	---
16	---	---	---	---	9.84	9.41	---	---	---	---	---	---
17	---	---	---	---	9.79	9.30	---	---	---	---	---	---
18	---	---	---	---	9.79	9.13	---	---	---	---	---	---
19	---	---	---	---	9.65	9.11	---	---	---	---	---	---
20	---	---	---	---	9.65	9.13	---	---	---	---	---	---
21	---	---	---	---	9.29	9.10	---	---	---	---	---	---
22	---	---	---	---	9.25	9.11	---	---	---	---	---	---
23	---	---	---	---	9.63	9.11	---	---	---	---	---	---
24	---	---	---	---	9.57	9.03	---	---	---	---	---	---
25	---	---	---	---	9.65	8.97	---	---	---	---	---	---
26	---	---	---	---	9.67	8.99	---	---	---	---	---	---
27	---	---	---	---	9.60	8.99	---	---	---	---	---	---
28	---	---	---	---	-13.63	8.92	---	---	---	---	---	---
29	---	---	---	---	---	8.85	---	---	---	---	---	---
30	---	---	---	---	---	8.87	---	---	---	---	---	---
31	---	---	---	---	---	8.86	---	---	---	---	---	---
<b>Max</b>	---	---	---	---	---	9.64	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	---	-13.71	---	---	---	---	---	---