



Water-Data Report 2007

285543081133804 Local number LYONIA PRESERVE USAS (V-0856) AT DELTONA, FL

Surficial aquifer system
 Pleistocene-Pliocene Series
 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 35.21 ft. Upper casing diameter 2 in, top of first opening 30 ft, bottom of last opening 35.21 ft. Drilled, screened, monitor well, cased to 30 ft.

DATUM.--Land-surface datum is 45.51 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in casing, 2.91 ft above land-surface datum, Sep. 20, 2005, to present.

PERIOD OF RECORD.--September 2005 to January 2007 (monthly); February 2007 to March 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	18.72	T	--	Feb 22	17.80	T	S
Nov 1	18.65	T	--	23	17.80	T	--
30	18.43	T	--	27	17.79	T	--
Dec 29	18.17	T	--	27	17.79	T	S
Jan 31	18.17	T	--	27	17.77	T	S
Feb 9	17.88	T	--	27	17.79	T	S
14	17.87	T	--	28	17.80	T	S
15	17.86	T	--	28	17.78	T	S
20	17.83	T	--	28	17.78	T	S
20	17.80	T	S	28	17.78	T	S
20	17.79	T	S	Mar 1	17.78	T	S
20	17.81	T	S	1	17.78	T	S
21	17.82	T	S	1	17.78	T	S
21	17.80	T	S	1	17.78	T	S
21	17.75	T	S	2	17.79	T	S
21	17.78	T	S	2	17.79	T	T
22	17.79	T	S	Apr 2	17.65	T	--
22	17.78	T	S	May 23	17.46	T	--
22	17.79	T	S				

Water year 2007; lowest: 17.46 May 23, 2007 highest: 18.72 Oct 03, 2006

Period of record; lowest: 17.4 May 23, 2007 highest: 21.0 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	---	---	---	---	---	17.79	17.67	---	---	---	---	---
2	---	---	---	---	---	17.79	17.66	---	---	---	---	---
3	---	---	---	---	---	17.81	---	---	---	---	---	---
4	---	---	---	---	---	17.81	---	---	---	---	---	---
5	---	---	---	---	---	17.79	---	---	---	---	---	---
6	---	---	---	---	---	17.79	---	---	---	---	---	---
7	---	---	---	---	---	17.78	---	---	---	---	---	---
8	---	---	---	---	---	17.78	---	---	---	---	---	---
9	---	---	---	---	---	17.78	---	---	---	---	---	---
10	---	---	---	---	17.88	17.76	---	---	---	---	---	---
11	---	---	---	---	17.87	17.76	---	---	---	---	---	---
12	---	---	---	---	17.86	17.75	---	---	---	---	---	---
13	---	---	---	---	17.88	17.75	---	---	---	---	---	---
14	---	---	---	---	17.88	17.74	---	---	---	---	---	---
15	---	---	---	---	17.87	17.74	---	---	---	---	---	---
16	---	---	---	---	17.87	17.75	---	---	---	---	---	---
17	---	---	---	---	17.85	17.75	---	---	---	---	---	---
18	---	---	---	---	17.85	17.73	---	---	---	---	---	---
19	---	---	---	---	17.84	17.72	---	---	---	---	---	---
20	---	---	---	---	17.84	17.72	---	---	---	---	---	---
21	---	---	---	---	17.82	17.72	---	---	---	---	---	---
22	---	---	---	---	17.80	17.71	---	---	---	---	---	---
23	---	---	---	---	17.81	17.70	---	---	---	---	---	---
24	---	---	---	---	17.82	17.70	---	---	---	---	---	---
25	---	---	---	---	17.81	17.69	---	---	---	---	---	---
26	---	---	---	---	17.81	17.69	---	---	---	---	---	---
27	---	---	---	---	17.80	17.68	---	---	---	---	---	---
28	---	---	---	---	17.80	17.69	---	---	---	---	---	---
29	---	---	---	---	---	17.68	---	---	---	---	---	---
30	---	---	---	---	---	17.67	---	---	---	---	---	---
31	---	---	---	---	---	17.68	---	---	---	---	---	---
Max	---	---	---	---	---	17.81	---	---	---	---	---	---
Min	---	---	---	---	---	17.67	---	---	---	---	---	---