



Water-Data Report 2007

285543081133811 Local number LYONIA PRESERVE USAS (V-0879) 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 35.5 ft. Upper casing diameter 2 in, top of first opening 31 ft, bottom of last opening 35.5 ft. Drilled, screened, monitor well, cased to 31 ft.

DATUM.--Land-surface datum is 46.99 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in casing, 3.08 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	20.32	T	--	Feb 22	19.02	T	S
Nov 1	20.15	T	--	23	19.02	T	--
30	19.86	T	--	27	19.02	T	--
Dec 29	19.55	T	--	27	19.02	T	S
Jan 31	19.19	T	--	27	19.02	T	S
Feb 9	19.14	T	--	27	19.01	T	S
14	19.12	T	--	28	19.01	T	S
15	19.10	T	--	28	19.00	T	S
20	19.05	T	--	28	18.99	T	S
20	19.05	T	S	28	19.00	T	S
20	19.04	T	S	Mar 1	19.01	T	S
20	19.05	T	S	1	19.00	T	S
21	19.05	T	S	1	18.99	T	S
21	19.04	T	S	1	19.00	T	S
21	19.01	T	S	2	19.00	T	S
21	19.01	T	S	2	19.00	T	T
22	19.01	T	S	Apr 2	18.84	T	--
22	19.00	T	S	May 23	18.36	T	--
22	19.01	T	S				

Water year 2007; lowest: 18.36 May 23, 2007 highest: 20.32 Oct 03, 2006

Period of record; lowest: 18.3 May 23, 2007 highest: 22.8 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	---	---	---	---	---	19.01	18.84	---	---	---	---	---
2	---	---	---	---	---	19.01	18.84	---	---	---	---	---
3	---	---	---	---	---	19.01	---	---	---	---	---	---
4	---	---	---	---	---	19.01	---	---	---	---	---	---
5	---	---	---	---	---	18.99	---	---	---	---	---	---
6	---	---	---	---	---	18.99	---	---	---	---	---	---
7	---	---	---	---	---	18.99	---	---	---	---	---	---
8	---	---	---	---	---	18.97	---	---	---	---	---	---
9	---	---	---	---	---	18.97	---	---	---	---	---	---
10	---	---	---	---	19.14	18.97	---	---	---	---	---	---
11	---	---	---	---	19.14	18.96	---	---	---	---	---	---
12	---	---	---	---	19.13	18.95	---	---	---	---	---	---
13	---	---	---	---	19.14	18.95	---	---	---	---	---	---
14	---	---	---	---	19.14	18.94	---	---	---	---	---	---
15	---	---	---	---	19.11	18.93	---	---	---	---	---	---
16	---	---	---	---	19.10	18.94	---	---	---	---	---	---
17	---	---	---	---	19.08	18.93	---	---	---	---	---	---
18	---	---	---	---	19.07	18.93	---	---	---	---	---	---
19	---	---	---	---	19.07	18.91	---	---	---	---	---	---
20	---	---	---	---	19.05	18.91	---	---	---	---	---	---
21	---	---	---	---	19.05	18.91	---	---	---	---	---	---
22	---	---	---	---	19.02	18.90	---	---	---	---	---	---
23	---	---	---	---	19.03	18.90	---	---	---	---	---	---
24	---	---	---	---	19.03	18.89	---	---	---	---	---	---
25	---	---	---	---	19.03	18.88	---	---	---	---	---	---
26	---	---	---	---	19.02	18.88	---	---	---	---	---	---
27	---	---	---	---	19.02	18.88	---	---	---	---	---	---
28	---	---	---	---	19.01	18.87	---	---	---	---	---	---
29	---	---	---	---	---	18.86	---	---	---	---	---	---
30	---	---	---	---	---	18.86	---	---	---	---	---	---
31	---	---	---	---	---	18.86	---	---	---	---	---	---
Max	---	---	---	---	---	19.01	---	---	---	---	---	---
Min	---	---	---	---	---	18.86	---	---	---	---	---	---