Water-Data Report 2007

271619082240201 Local number Florida Cities Test Well 1 near Sarasota, FL.

Floridan aquifer system
Suwannee Limestone

Sarasota County, FL

LOCATION.--Lat 27°16′16″, long 82°24′03.6″ referenced to North American Datum of 1983, in SE ¼ SE ¼ SE ¼ sec.9, T.37 S., R.19 E., Sarasota County, FL, Hydrologic Unit 03100201, 20 ft east of Bee Ridge Road, 1.0 mi north of State Highway 72, and 9.0 mi southeast of Sarasota.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 446 ft. Upper casing diameter 6.00 in, top of first opening 104 ft, bottom of last opening 446 ft. Drilled, observation, artesian well.

DATUM.--Land-surface datum is 34.26 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelter floor, 2.99 ft above land-surface datum, Feb. 22, 1977, to present.

PERIOD OF RECORD.--March 1974 to December 1974 (periodic); January 1975 to current year. Records of water levels prior to October 1975 are not published but are available in files of the Geological Survey.

GAGE.--Water-stage recorder--60-minute interval.

REMARKS.--Water level affected by pumping of nearby irrigation wells.

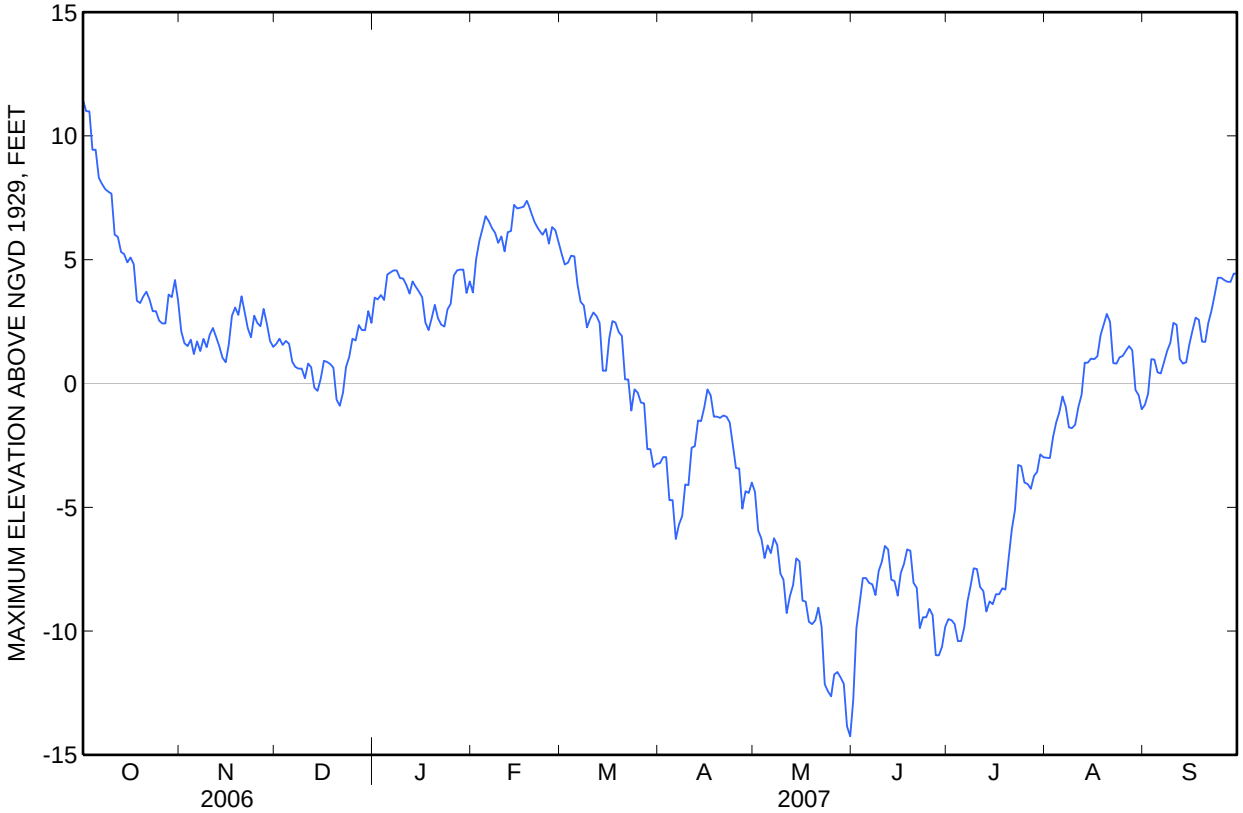
EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 24.30 ft NGVD, estimated, Mar. 8, 9, 1978; lowest, 20.37 ft below NGVD, May 5, 1976.

REVISIONS.--The figures of water level as elevation, in feet NGVD, prior to Oct. 1, 1977, are in error. Correct elevations for data published prior to this date may be obtained by using datum correction of -1.74 ft.

271619082240201 Local number Florida Cities Test Well 1 near Sarasota, FL.—Continued

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	11.45	2.11	1.61	3.47	3.68	5.23	-3.22	-4.38	-12.79	-9.51	-3.00	-0.86
2	11.00	1.63	1.81	3.40	5.02	4.81	-2.97	-5.94	-9.87	-9.56	-3.01	-0.41
3	10.99	1.51	1.56	3.57	5.75	4.88	-2.97	-6.27	-8.87	-9.72	-2.16	0.98
4	9.44	1.77	1.72	3.37	6.23	5.16	-4.71	-7.05	-7.86	-10.40	-1.58	0.97
5	9.44	1.19	1.60	4.40	6.76	5.14	-4.71	-6.54	-7.86	-10.40	-1.16	0.45
6	8.31	1.70	0.88	4.49	6.56	3.99	-6.28	-6.85	-8.05	-9.84	-0.52	0.41
7	8.06	1.31	0.67	4.57	6.28	3.30	-5.69	-6.25	-8.11	-8.80	-0.93	0.85
8	7.85	1.80	0.60	4.57	6.08	3.15	-5.35	-6.52	-8.54	-8.19	-1.77	1.32
9	7.75	1.47	0.60	4.26	5.68	2.27	-4.08	-7.68	-7.57	-7.46	-1.80	1.65
10	7.66	1.97	0.21	4.24	5.94	2.62	-4.10	-7.92	-7.19	-7.49	-1.66	2.45
11	6.01	2.24	0.81	3.98	5.34	2.87	-2.59	-9.27	-6.56	-8.22	-0.95	2.37
12	5.92	1.88	0.66	3.63	6.11	2.72	-2.53	-8.59	-6.70	-8.38	-0.46	0.99
13	5.31	1.50	-0.17	4.12	6.16	2.44	-1.49	-8.14	-7.92	-9.21	0.84	0.80
14	5.23	1.04	-0.30	3.90	7.22	0.52	-1.52	-7.06	-7.98	-8.80	0.84	0.86
15	4.89	0.86	0.20	3.71	7.07	0.52	-0.96	-7.18	-8.57	-8.91	1.01	1.56
16	5.09	1.57	0.92	3.48	7.10	1.83	-0.24	-8.77	-7.66	-8.51	0.98	2.13
17	4.82	2.74	0.87	2.46	7.14	2.52	-0.48	-8.81	-7.29	-8.51	1.10	2.66
18	3.34	3.07	0.79	2.16	7.38	2.46	-1.34	-9.62	-6.70	-8.27	1.96	2.57
19	3.25	2.77	0.64	2.63	7.07	2.08	-1.34	-9.72	-6.75	-8.32	2.37	1.69
20	3.51	3.52	-0.65	3.18	6.67	1.92	-1.39	-9.56	-8.05	-7.07	2.81	1.68
21	3.71	2.90	-0.90	2.63	6.39	0.17	-1.29	-9.05	-8.25	-5.90	2.49	2.44
22	3.39	2.23	-0.37	2.38	6.18	0.16	-1.34	-9.81	-9.88	-5.10	0.83	2.94
23	2.92	1.87	0.67	2.30	6.01	-1.09	-1.57	-12.15	-9.44	-3.29	0.80	3.58
24	2.92	2.74	1.08	2.99	6.24	-0.24	-2.50	-12.43	-9.44	-3.34	1.06	4.27
25	2.54	2.44	1.81	3.22	5.65	-0.37	-3.41	-12.63	-9.10	-4.00	1.11	4.27
26	2.43	2.31	1.74	4.36	6.32	-0.77	-3.43	-11.75	-9.35	-4.06	1.32	4.18
27	2.42	3.01	2.36	4.57	6.19	-0.80	-5.05	-11.65	-10.97	-4.25	1.51	4.11
28	3.59	2.42	2.16	4.60	5.71	-2.65	-4.35	-11.87	-10.98	-3.73	1.34	4.10
29	3.49	1.72	2.15	4.60	---	-2.65	-4.42	-12.13	-10.63	-3.57	-0.26	4.44
30	4.18	1.48	2.92	3.66	---	-3.38	-4.00	-13.84	-9.82	-2.86	-0.47	4.43
31	3.36	---	2.45	4.12	---	-3.24	---	-14.25	---	-2.98	-1.04	---
Mean	5.62	2.03	1.00	3.65	6.21	1.47	-2.98	-9.15	-8.62	-7.05	0.05	2.13
Max	11.45	3.52	2.92	4.60	7.38	5.23	-0.24	-4.38	-6.56	-2.86	2.81	4.44
Min	2.42	0.86	-0.90	2.16	3.68	-3.38	-6.28	-14.25	-12.79	-10.40	-3.01	-0.86

	Water Year 2007
Mean	-0.51
Max	11.45
Min	-14.25

271619082240201 Local number Florida Cities Test Well 1 near Sarasota, FL.—Continued