

Water-Data Report 2007

263251081452803 Local number L 1995.

Surficial aquifer system
Nonartesian Sand Aquifer

Lee County, FL

LOCATION.--Lat 26°32'52", long 81°45'37" referenced to North American Datum of 1983, in NE ¼ NE ¼ SE ¼ sec.24, T.45 S., R.25 E., Lee County, FL, Hydrologic Unit 03090204, 2 mi east of intersection of U.S. Interstate 75 and Daniels Road, 0.3 mi north of airport access road on dirt road and 9.6 mi southeast of Fort Myers Post Office.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 24 ft. Upper casing diameter 4 in, top of first opening 14 ft, bottom of last opening 24 ft.

DATUM.--Land-surface datum is 23.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 27.87 ft above National Geodetic Vertical Datum of 1929, Dec. 19, 1985, to present. From December 19, 1985 to September 30, 2001, measuring point was incorrectly considered to be 28.57 ft above NGVD. From May 15, 1981 to December 16, 1983, top of shelf was 27.88 ft above NGVD, but was incorrectly considered to be 28.58 ft above NGVD. Prior to May 15, 1981, measuring point was 27.94 ft above NGVD, but was incorrectly considered to be 28.64 ft above NGVD. The figures of water levels as elevation, in feet NGVD, prior to October 1, 2001, are in error. See REMARKS.

PERIOD OF RECORD.--January 1975 to current year.

GAGE.--Satellite data collection platform with pressure transducer.

REMARKS.--On December 11, 2002, the well was releveled and the land-surface datum was found to be 23.94 ft above National Geodetic Vertical Datum of 1929. A -0.70 ft correction has been applied to daily maximum values data prior to October 1, 2001. Corrected records are available in the files of the U.S. Geological Survey. See DATUM. The station was reconstructed on March 9, 1978, May 15, 1981 and December 16, 1983.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 25.34 ft NGVD, July 28, 2004; lowest, 17.86 ft NGVD, Mar. 30, 1990 (present datum).

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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	24.13	23.10	21.87	21.42	20.73	20.92	20.31	19.85	19.38	20.24	21.58	21.88
2	24.04	22.88	21.85	21.43	20.70	20.91	20.20	19.86	19.46	20.22	21.54	21.90
3	24.15	22.90	21.85	21.40	20.67	20.91	20.09	19.84	19.47	20.18	21.46	21.90
4	24.24	22.90	21.87	21.39	20.67	20.91	20.03	19.82	19.45	20.39	21.34	21.73
5	24.30	22.91	21.89	21.39	20.66	20.90	19.99	19.85	19.41	20.48	21.23	21.62
6	24.30	22.90	21.84	21.23	20.68	20.89	19.96	19.84	19.35	20.53	21.13	21.53
7	24.07	22.95	21.72	21.24	20.64	20.89	19.96	19.80	19.32	20.52	21.66	21.45
8	24.18	22.94	21.37	21.32	20.61	20.88	19.91	19.79	19.28	20.50	21.66	21.37
9	24.24	22.87	21.49	21.02	20.59	20.86	19.80	19.75	19.26	20.46	21.51	21.30
10	24.26	22.81	21.56	21.01	20.65	20.85	19.81	19.74	19.23	20.42	21.37	21.38
11	23.91	22.80	21.62	20.94	20.76	20.81	19.87	19.71	19.21	20.38	21.90	21.40
12	23.87	22.75	21.46	21.05	21.09	20.75	19.94	19.69	19.17	20.31	21.89	21.33
13	23.83	22.82	21.38	21.09	21.14	20.70	19.93	19.68	19.14	20.26	21.70	21.33
14	23.81	22.73	21.49	21.13	21.12	20.64	19.91	19.66	19.12	20.33	22.07	21.36
15	23.78	22.76	21.49	21.21	21.07	20.57	20.16	19.66	19.09	20.76	22.05	21.31
16	23.79	22.74	21.24	21.22	21.09	20.54	20.26	19.71	19.07	20.85	21.89	21.26
17	23.30	22.59	21.27	21.17	21.07	20.52	20.27	19.72	19.77	20.83	21.73	21.20
18	23.17	22.33	21.28	21.11	21.04	20.49	20.23	19.71	19.94	20.80	21.59	21.21
19	23.25	22.33	21.18	20.91	21.03	20.44	20.16	19.68	19.95	20.74	21.49	21.22
20	23.24	22.38	21.15	20.94	21.01	20.48	20.12	19.65	19.92	20.68	21.40	21.47
21	23.24	22.41	21.15	20.98	20.98	20.53	20.06	19.63	19.87	20.67	21.33	22.84
22	23.28	22.34	20.99	20.87	20.96	20.57	20.03	19.62	19.80	20.63	21.25	22.88
23	23.46	22.11	21.07	20.91	20.96	20.61	19.99	19.59	19.74	20.59	21.18	22.85
24	23.42	22.12	21.14	20.81	20.95	20.63	19.95	19.57	19.69	20.59	21.59	22.83
25	23.32	22.17	21.30	20.94	20.94	20.65	19.90	19.54	19.64	20.51	21.65	22.77
26	22.91	22.14	21.32	20.93	20.94	20.66	19.88	19.52	19.57	20.49	21.72	22.83
27	22.75	22.20	21.26	20.95	20.93	20.65	19.88	19.50	19.51	20.52	22.62	22.77
28	22.87	22.21	21.19	21.01	20.92	20.64	19.86	19.47	19.47	20.55	22.63	22.49
29	22.92	21.84	21.20	20.92	---	20.56	19.86	19.46	20.04	21.06	22.35	22.32
30	23.07	21.89	21.26	20.79	---	20.50	19.85	19.43	20.22	21.06	22.18	22.27
31	23.13	---	21.32	20.76	---	20.41	---	19.38	---	21.31	22.00	---
Mean	23.62	22.56	21.42	21.08	20.88	20.69	20.01	19.67	19.52	20.58	21.70	21.87
Max	24.30	23.10	21.89	21.43	21.14	20.92	20.31	19.86	20.22	21.31	22.63	22.88
Min	22.75	21.84	20.99	20.76	20.59	20.41	19.80	19.38	19.07	20.18	21.13	21.20

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