

Water-Data Report 2007

262158081283404 Local number C 1079.

Intermediate aquifer system
Sandstone Aquifer
Collier County, FL

LOCATION.--Lat 26°22'00", long 81°28'36" referenced to North American Datum of 1927, in SW ¼ SE ¼ SW ¼ sec.24, T.47 S., R.28 E., Collier County, FL, Hydrologic Unit 03090204, 30 ft north of County Road 846, 2.8 mi east of Oil Grade Road and 4.5 mi southwest of Immokalee.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 390 ft. Upper casing diameter 4 in., top of first opening 298 ft, bottom of last opening 390 ft. Artesian well, open hole 298 to 390 ft.

DATUM.--Land-surface datum is 21.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 22.65 ft above National Geodetic Vertical Datum of 1929, Mar. 26, 2007, to present; Top of base, 22.74 ft above National Geodetic Vertical Datum of 1929, Dec. 1, 1986, to Mar. 26, 2007. From December 1986 to September 2001, top of base was incorrectly considered to be 16.67 ft above NGVD. Prior to December 1986, measuring point was top of casing, 21.41 ft above NGVD, but incorrectly considered to be 15.34 ft above NGVD. The figures of water level as elevation, in feet NGVD, prior to October 2001 are in error. See REMARKS.

PERIOD OF RECORD.--April 1986 to September 1986 (semiannual), December 1986 to current year. (Corrected)

GAGE.--Satellite Data Collection Platform.

REMARKS.--The figures of water levels as elevation, in feet NGVD, prior to October 2001, are in error. A +6.07 ft correction has been applied to correct water level data from October 1985 to September 2001. Corrected records are available in the files of the U.S. Geological Survey. See DATUM. Records of water levels prior to December 1986 are available in the files of the U.S. Geological Survey. Extremes for period of record have been adjusted to present datum. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 22.05 ft NGVD, Aug. 28-31, 1995; lowest, 0.77 ft below NGVD, Apr. 26, 1990.

262158081283404 Local number C 1079.—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MAXIMUM VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18.73	13.46	6.56	8.58	8.14	9.44	8.14	9.79	11.41	16.07	17.87	---
2	17.92	11.82	---	9.56	9.02	9.38	8.45	---	11.90	16.40	17.94	---
3	17.50	13.17	---	9.14	9.91	9.16	8.42	---	12.37	16.61	18.03	---
4	17.19	13.47	---	9.44	9.94	8.77	8.01	9.08	12.59	16.79	17.94	---
5	16.69	13.07	9.34	8.94	---	9.01	7.74	9.23	12.59	17.01	17.88	---
6	16.48	---	7.65	8.87	---	8.85	7.91	9.92	12.40	17.23	17.54	16.26
7	16.26	---	6.38	9.62	11.65	8.43	8.24	10.42	12.24	17.40	17.50	16.24
8	15.69	13.46	5.99	10.13	11.15	8.48	8.86	10.45	12.86	17.48	17.42	15.90
9	15.59	13.29	5.63	10.15	10.43	8.15	9.18	10.38	13.40	---	17.29	15.24
10	15.28	11.65	5.34	9.40	9.79	7.62	8.91	10.38	13.86	---	16.91	14.40
11	14.94	10.52	5.61	8.50	8.92	7.83	8.34	10.45	14.11	---	16.28	14.79
12	14.33	10.48	---	7.96	10.55	8.09	9.59	10.34	14.35	---	---	14.94
13	14.88	10.34	---	7.59	12.20	8.02	10.23	10.48	14.55	---	---	14.96
14	14.88	9.57	7.35	7.48	12.20	7.90	9.91	10.82	14.73	---	17.12	15.48
15	14.58	9.25	9.15	8.05	11.13	8.61	10.67	10.91	14.85	---	17.34	---
16	14.23	11.33	9.95	7.96	10.76	9.27	11.45	11.35	15.02	---	17.38	---
17	13.63	12.38	11.72	8.32	10.08	9.14	11.66	11.51	15.35	---	17.38	---
18	13.05	12.15	11.84	8.19	9.13	8.79	11.66	11.63	15.61	---	17.21	16.56
19	12.55	10.58	10.79	8.06	9.44	8.78	11.09	11.98	15.86	---	16.71	16.40
20	11.39	9.44	7.99	7.97	9.58	8.46	10.41	12.34	16.01	---	16.45	15.98
21	10.93	8.50	6.48	8.05	9.84	7.75	10.03	12.47	---	---	16.19	15.76
22	11.38	7.28	6.90	8.00	10.02	7.27	10.25	12.36	---	---	15.53	---
23	11.57	6.69	8.81	7.99	9.92	7.42	10.38	11.88	---	---	15.25	---
24	11.17	6.90	11.07	7.96	9.78	7.26	10.03	11.79	---	---	14.97	17.88
25	10.35	7.33	---	---	9.38	7.63	9.24	11.76	16.26	---	14.55	18.22
26	9.39	7.35	---	11.19	9.58	8.44	8.77	11.63	16.10	17.30	15.37	18.27
27	9.25	8.11	---	11.60	10.24	8.41	8.71	11.79	15.55	17.03	16.12	18.44
28	11.08	8.11	---	11.62	10.13	8.04	9.11	11.99	---	17.05	16.35	18.40
29	13.35	7.58	14.24	11.64	---	7.84	9.53	12.05	15.26	17.23	16.35	17.76
30	14.03	7.10	11.42	10.23	---	7.74	9.90	12.00	15.67	17.49	15.81	16.55
31	14.07	---	9.64	e7.88	---	7.80	---	11.66	---	17.66	15.01	---
Mean	13.95	---	---	---	---	8.32	9.49	---	---	---	---	---
Max	18.73	---	---	---	---	9.44	11.66	---	---	---	---	---
Min	9.25	---	---	---	---	7.26	7.74	---	---	---	---	---

262158081283404 Local number C 1079.—Continued

