

Water-Data Report 2007

253400080340401 Local number G 3437. USGS Observation Well near Homestead, FL.

Biscayne aquifer
Biscayne Limestone Aquifer
Miami-Dade County, FL

LOCATION.--Lat 25°34'01.2", long 80°34'01.5" referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.7, T.56 S., R.38 E., Miami-Dade County, FL, Hydrologic Unit 03090202, 1.5 mi west of Levee 31, 0.15 mi north of SW 216th Street and 10 mi northwest of Homestead.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, depth 12.5 ft, diameter 5 in., cased to 12.5 ft.

DATUM.--Land-surface datum is 6.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 9.63 ft above National Geodetic Vertical Datum of 1929, April 9, 2002, to present. Prior to April 9, 2002, measuring point was 7.89 ft above NGVD. From April 1, 1988 to February 14, 1996, measuring point was incorrectly considered to be top of base 7.82 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Satellite data collection platform.

REMARKS.--During a major storm that occurred on October 3-4, 2000, heavy rains caused flooding that caused the float to come out of the well. The extreme water level shown for the period of record, on October 5, 2000, was determined by a manual depth to water measurement made from the measuring point. The actual highest water level that occurred could not be determined. On April 9, 2002, the shelter was rebuilt to prevent water from rising over the base in case of an extreme rain event. The figures of water level as elevation, in feet NGVD, between the period April 1, 1988 to September 30, 1995 are in error. Corrected records are in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.69 ft NGVD, Aug. 27, 2005; lowest, 1.61 ft NGVD, May 23, 1990.

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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	5.58	5.36	5.27	4.87	4.54	4.27	3.94	---	5.48	6.30	6.39	4.42
2	5.55	5.30	5.27	5.68	4.52	4.27	3.86	---	5.67	6.20	6.36	4.37
3	5.50	5.32	5.27	5.68	4.49	4.24	3.80	---	5.49	6.12	6.24	4.55
4	5.46	5.34	5.26	5.56	4.88	4.20	3.70	---	5.25	6.26	5.98	4.77
5	5.44	5.35	5.22	5.50	4.92	4.17	3.63	---	5.11	6.60	5.74	4.74
6	5.43	5.35	5.18	5.46	4.92	4.14	3.58	---	4.97	6.69	5.62	4.53
7	5.40	5.35	5.15	5.38	4.88	4.08	3.55	---	4.92	6.69	5.53	4.48
8	5.36	5.34	5.08	5.25	4.83	4.07	3.42	---	5.70	6.64	5.44	4.64
9	5.33	5.34	5.04	5.19	4.73	4.03	3.33	---	5.58	6.56	5.34	5.67
10	5.28	5.34	4.99	5.16	4.66	3.97	4.16	---	5.46	6.36	5.26	5.60
11	5.21	5.29	4.96	5.06	4.56	3.94	5.67	---	5.37	6.18	5.20	5.53
12	5.28	5.22	4.94	5.01	4.66	3.91	6.24	---	5.25	6.16	5.14	6.08
13	5.28	5.20	4.94	4.96	4.66	3.88	5.96	---	6.01	6.16	5.15	5.76
14	5.24	5.18	4.89	4.91	4.63	3.86	5.66	---	5.81	6.13	5.96	5.40
15	5.20	5.18	4.88	4.88	4.60	3.83	5.54	---	5.54	5.79	5.80	5.51
16	5.16	5.24	4.92	4.86	4.55	3.81	5.51	---	5.78	5.70	5.52	5.45
17	5.11	5.24	5.20	4.80	4.55	3.79	5.38	---	5.96	5.64	5.49	5.26
18	5.07	5.22	5.18	4.79	4.50	3.78	5.22	---	6.44	5.51	5.38	5.14
19	5.03	5.18	5.06	4.76	4.48	3.74	5.12	---	6.44	5.40	5.28	5.02
20	5.10	5.16	5.02	4.74	4.44	3.73	5.01	---	6.42	5.33	5.22	4.92
21	5.13	5.18	4.99	4.72	4.36	3.68	4.91	---	6.39	6.04	5.12	4.83
22	5.18	5.20	4.95	4.68	4.36	4.83	4.81	---	6.34	6.22	5.07	4.73
23	5.18	5.20	4.91	4.64	4.33	4.83	4.72	4.66	6.26	6.38	5.00	4.67
24	5.18	5.16	4.90	4.59	4.31	4.74	4.63	4.48	6.04	6.42	4.93	4.92
25	5.24	5.20	4.99	4.56	4.29	4.68	4.57	4.82	5.92	6.41	4.87	5.48
26	5.26	5.20	5.04	4.56	4.26	4.60	4.45	4.71	5.72	6.26	4.84	5.92
27	5.23	5.26	5.03	4.56	4.23	4.50	4.36	4.56	5.69	6.58	4.77	5.97
28	5.97	5.26	4.99	4.72	4.22	4.38	---	4.46	5.74	6.61	4.68	5.99
29	5.63	5.26	4.96	4.70	---	4.25	---	4.36	6.37	6.61	4.61	5.99
30	5.43	5.29	4.93	4.66	---	4.14	---	4.26	6.34	6.62	4.53	6.14
31	5.48	---	4.89	4.58	---	4.07	---	4.14	---	6.52	4.48	---
Total	164.92	157.71	156.30	153.47	127.36	128.41	---	---	173.46	193.09	164.94	156.48
Mean	5.32	5.26	5.04	4.95	4.55	4.14	---	---	5.78	6.23	5.32	5.22
Max	5.97	5.36	5.27	5.68	4.92	4.83	---	---	6.44	6.69	6.39	6.14
Min	5.03	5.16	4.88	4.56	4.22	3.68	---	---	4.92	5.33	4.48	4.37

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