

Water-Data Report 2007

**253937080304001 Local number G 596. USGS Observation Well near Homestead, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer  
Miami-Dade County, FL

LOCATION.--Lat 25°38'16.8", long 80°30'43.1" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.14, T.55 S., R.38 E., Miami-Dade County, FL, Hydrologic Unit 03090202, on SW 197th Avenue, 70 ft north of 136 Street (Howard Drive), 2 mi west of State Road 997 (Krome Avenue), and 15.5 mi north of Homestead.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, depth 16 ft, diameter 6 in., cased to 16 ft. Open-end well.

DATUM.--Land-surface datum is 8 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 10.76 ft above National Geodetic Vertical Datum of 1929, Sep. 2, 1994, to present. From October 21, 1992 to September 1, 1994, the measuring point was top of shelf, 10.45 ft above NGVD. From October 1990 to October 20, 1992, top of shelf was 10.62 ft above NGVD. From November 21, 1986 to October 1, 1990, measuring point was top of base 10.59 ft above NGVD. Measuring point of original well G-596, in service prior to November 20, 1986 was top of shelf, 9.10 ft above NGVD. Prior to October 1978, measuring point was incorrectly considered to be 10.32 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--June 30, 1949 to November 1986 (original site), November 1986 to current year. (Corrected)

GAGE.--Satellite data collection platform.

REMARKS.--The figures of water levels as elevation, in ft NGVD, prior to October 1978 are in error. Corrected records are in files of the U.S. Geological Survey. Current well is a replacement well, drilled 250 ft east of original site and surveyed on November 21, 1986. Data for this well is published under the original well name and station ID number. The station at the current site was destroyed and reconstructed October 22, 1992 and September 2, 1994. Records of water levels prior to January 1957 are available in files of the U.S. Geological Survey. See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.37 ft NGVD, Oct. 12, 1994; lowest, 0.56 ft NGVD, May 14, 1971.

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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	5.10	5.46	5.08	5.03	4.86	4.53	4.15	4.31	3.96	5.19	5.14	4.67
2	5.06	5.48	5.04	5.09	4.85	4.53	4.08	4.25	4.53	5.19	5.13	4.62
3	5.03	5.54	5.01	5.21	4.83	4.51	4.01	4.24	4.65	5.39	5.16	4.60
4	5.01	5.48	4.98	5.21	5.08	4.51	3.96	4.22	4.65	5.94	5.15	4.61
5	5.03	5.49	4.96	5.19	5.13	4.51	3.94	4.15	4.63	5.93	5.14	4.75
6	5.01	5.48	4.93	5.17	5.10	4.45	3.93	4.10	4.59	5.83	5.10	4.76
7	4.99	5.47	5.05	5.13	5.00	4.42	3.90	4.33	4.54	5.83	5.12	4.74
8	4.97	5.43	5.09	5.11	4.93	4.40	3.86	4.38	5.75	5.47	5.14	4.69
9	4.97	5.38	5.07	5.09	4.89	4.37	3.82	4.38	5.65	5.17	5.13	5.45
10	5.11	5.41	5.05	5.04	4.83	4.36	3.92	4.37	5.23	5.14	5.06	5.45
11	5.14	5.43	5.07	5.00	4.76	4.34	4.96	4.31	5.06	5.05	5.02	5.25
12	5.12	5.47	5.13	4.95	4.79	4.32	5.68	4.25	4.94	4.99	5.10	5.10
13	5.13	5.46	5.16	4.91	4.88	4.27	5.66	4.18	4.88	5.08	5.15	5.09
14	5.13	5.43	5.24	4.90	4.88	4.24	5.43	4.12	4.80	5.11	5.74	5.06
15	5.12	5.42	5.19	4.88	4.83	4.20	5.22	4.07	5.89	5.11	5.74	5.07
16	5.08	5.44	5.01	4.86	4.86	4.23	5.15	4.04	5.92	5.12	5.42	5.10
17	5.06	5.38	5.12	4.84	4.86	4.27	5.08	4.04	6.08	5.12	5.22	5.10
18	5.05	5.23	5.12	4.85	4.83	4.27	5.05	4.07	5.99	5.12	5.19	5.06
19	5.17	5.19	5.45	4.82	4.79	4.24	4.99	4.05	5.66	5.12	5.19	5.01
20	5.33	5.17	5.32	4.78	4.73	4.17	4.92	4.03	5.32	5.10	5.19	4.96
21	5.46	5.18	5.18	4.75	4.72	4.16	4.84	4.00	5.06	5.48	5.16	4.90
22	5.51	5.18	5.13	4.72	4.68	4.70	4.77	3.97	4.88	5.48	5.13	4.86
23	5.53	5.26	5.48	4.68	4.65	4.78	4.70	3.95	4.82	5.38	5.04	4.82
24	5.53	5.30	5.48	4.64	4.62	4.78	4.63	3.96	4.83	5.88	5.03	5.12
25	5.51	5.24	5.31	4.65	4.59	4.72	4.57	3.96	4.92	5.84	4.99	5.61
26	5.49	5.18	5.31	4.66	4.56	4.68	4.48	3.97	4.95	5.48	4.96	6.25
27	5.44	5.16	5.28	4.64	4.54	4.60	4.42	3.96	4.97	5.79	4.93	5.94
28	---	5.15	5.19	4.75	4.52	4.51	4.41	3.95	5.31	5.68	4.88	5.42
29	---	5.13	5.15	4.76	---	4.41	4.42	3.91	5.20	5.38	4.82	5.17
30	---	5.11	5.13	4.83	---	4.31	4.41	3.89	5.22	5.23	4.77	5.48
31	---	---	5.09	4.84	---	4.22	---	3.85	---	5.15	4.73	---
<b>Mean</b>	---	5.34	5.15	4.90	4.81	4.42	4.58	4.11	5.10	5.38	5.12	5.09
<b>Max</b>	---	5.54	5.48	5.21	5.13	4.78	5.68	4.38	6.08	5.94	5.74	6.25
<b>Min</b>	---	5.11	4.93	4.64	4.52	4.16	3.82	3.85	3.96	4.99	4.73	4.60

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