



Water-Data Report 2011

254130080234501 Local number G 551. USGS Observation Well near South Miami, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°41'30.0", long 80°23'45.7" referenced to North American Datum of 1983, in NW ¼ SW ¼ sec.36, T.54 S., R.39 E., Miami-Dade County, FL, Hydrologic Unit 03090202, on the east side of SW 125th Avenue, 0.6 mi south of Sunset Drive and 6.5 mi west of South Miami.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, diameter 4 in., depth 80 ft, cased to 71 ft, slotted 29 to 71 ft, open hole 71 to 80 ft.

DATUM.--Land-surface datum is 8.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 10.12 ft above National Geodetic Vertical Datum of 1929 (NGVD), May 11, 1992, to present. From Mar. 1, 1985, to April 24, 1992, measuring point was top of shelf, 10.26 ft above NGVD. From Dec. 1, 1947, to May 1, 1961, measuring point was top of casing, 8.62 ft above NGVD. From June 2007 to September 2011, top of shelf measuring point was incorrectly considered to be 10.10 ft NGVD. See REMARKS.

PERIOD OF RECORD.--December 1947 to April 1961 (daily), May 1976 to May 1980 (semiannual), March 1985 to current year.

REVISED RECORDS.--WDR-US-2008, site 254130080234501: 2006 (Water Level data); WDR-US-2008, site 254130080234501: 2006 (lowest daily maximum for the period of record). Revised records are available in the files of the U. S. Geological Survey.

GAGE.--Electronic data logger.

REMARKS.--Water levels affected by pumping. Station rebuilt May 1992, May 2007. Water-level elevations, in ft NGVD, from June 2007 to September 2011, were computed using the surveyed top of flange elevation and are considered to be in error. A +0.02 ft correction has been applied to the water-level elevation data and corrected records are in files of the U.S. Geological Survey. (Revised) See DATUM.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 8.77 ft NGVD, Oct. 5, 1948; lowest, 5.53 ft below NGVD, May 17, 18, 2009.
(Revised) See REMARKS, REVISED RECORDS.

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ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MAXIMUM VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-0.01	-1.44	-1.33	-2.05	-1.47	-0.43	-3.86	-2.04	---	-1.52	1.76	2.78
2	-0.40	-1.50	-1.57	-2.10	-1.54	-0.77	-3.98	-1.78	---	-1.07	1.69	2.88
3	-0.68	-1.19	-2.00	-2.09	-1.56	-0.86	-4.01	-1.14	---	-1.04	1.69	2.87
4	-0.86	-1.05	-2.17	-2.09	-1.58	-0.90	-2.08	-2.80	---	-1.03	1.67	2.86
5	-0.90	-1.04	-2.29	-2.09	-1.59	-0.96	-4.03	-2.64	---	-0.95	1.67	2.99
6	-1.35	-1.04	-1.62	-2.09	-1.61	-0.99	-4.03	-2.56	---	-0.79	1.67	2.40
7	-1.52	-0.89	-1.30	-2.10	-1.63	-1.03	-4.05	-2.50	---	1.45	1.65	2.09
8	0.81	-0.88	-1.26	-2.10	-1.62	-1.09	-4.06	-2.47	-1.49	-0.40	1.74	1.98
9	0.82	-0.88	-1.18	-2.11	-1.68	-1.11	-4.07	-2.45	-2.90	-0.42	1.78	1.99
10	0.82	-0.88	-1.20	-2.11	-1.72	-1.13	-4.09	-2.37	-1.28	-0.42	1.97	2.00
11	0.79	0.77	-1.20	-2.07	-1.72	-2.87	-4.12	-2.68	-2.66	-0.37	2.03	1.94
12	1.36	0.75	-1.20	-2.14	-1.75	-2.88	-2.26	-2.98	-2.75	-0.38	1.80	1.75
13	-0.67	1.06	-1.79	-2.14	-1.77	-2.89	-2.27	-3.12	-1.13	1.85	1.72	1.60
14	-1.06	1.18	-2.36	-2.03	-1.79	-2.90	-2.34	-3.31	-1.23	1.92	1.69	1.47
15	0.84	1.23	-2.61	-2.14	-1.74	-2.91	-2.36	-3.40	-1.26	1.92	1.73	1.12
16	0.84	1.26	-0.74	-2.18	0.14	-2.90	-2.49	-3.41	-1.37	1.89	1.86	0.96
17	0.81	1.26	-2.68	-2.10	0.15	-2.97	-2.48	-3.42	-1.38	1.88	1.90	0.87
18	0.77	1.30	-2.68	0.07	0.23	-3.03	-1.63	-3.46	-1.39	1.89	1.77	0.76
19	-1.82	1.26	-2.68	-1.26	0.24	-3.06	-1.06	-3.51	-1.37	1.93	1.76	0.73
20	-2.02	0.88	-2.72	-1.18	-0.17	-3.09	-0.85	-3.56	-0.61	2.01	1.79	0.63
21	-2.11	0.78	-2.72	-1.22	-0.22	-3.13	-0.77	-3.64	-0.69	1.87	1.82	0.63
22	0.26	0.67	-2.73	-1.20	-0.26	-3.17	-0.71	-3.69	-0.47	1.92	1.91	0.62
23	-2.25	0.60	-2.67	-1.20	-0.30	-3.20	-0.69	-3.74	-1.47	1.93	2.38	0.73
24	-2.27	0.97	-2.74	-1.15	-0.26	-3.24	-0.67	---	-1.75	1.97	4.12	0.81
25	-0.14	1.09	-2.79	0.22	-0.30	-3.44	-0.67	---	-1.92	2.05	2.23	1.22
26	-1.48	1.14	-2.53	-1.08	-0.32	-3.44	-0.67	---	-1.83	2.05	2.26	1.26
27	-1.36	1.15	-2.44	-1.26	-0.39	-3.46	-0.69	---	0.58	2.02	2.28	1.21
28	-1.39	-1.01	-2.27	-1.36	-0.37	-3.48	-1.25	---	-1.97	1.95	2.29	1.26
29	-1.46	-1.30	-2.07	-1.40	---	-3.51	-1.52	---	-1.87	1.89	2.33	1.30
30	-1.48	-1.28	-2.05	-1.43	---	-3.62	-2.04	---	-1.70	1.85	2.40	3.42
31	-1.49	---	-2.12	-1.42	---	-3.75	---	---	---	1.84	2.59	---
Mean	-0.60	0.10	-2.06	-1.63	-0.95	-2.46	-2.33	---	---	0.96	2.00	1.64
Max	1.36	1.30	-0.74	0.22	0.24	-0.43	-0.67	---	---	2.05	4.12	3.42
Min	-2.27	-1.50	-2.79	-2.18	-1.79	-3.75	-4.12	---	---	-1.52	1.65	0.62

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