

Water-Data Report 2011

**254157080214002 Local number G 3074. USGS Observation Well near South Miami, FL.**

Biscayne aquifer  
Biscayne Limestone Aquifer

Miami-Dade County, FL

LOCATION.--Lat 25°41'56.75", long 80°21'38.27" referenced to North American Datum of 1983, in NW ¼ NE ¼ NW ¼ sec.32, T.54 S., R.40 E., Miami-Dade County, FL, Hydrologic Unit 03090202, on north side of Snapper Creek Canal, 0.25 mi southeast of the intersection of SW 107th Avenue and Sunset Drive, and 4.6 mi west of South Miami.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.-- Drilled, observation, water-table well, depth 40 ft, diameter 6 in., cased to 40 ft.

DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base, 8.30 ft above National Geodetic Vertical Datum of 1929 (NGVD), Sept. 28, 1977, to present. From April 7, 1977, to Sept. 30, 1994, measuring point was Top of flange, 8.17 ft above NGVD. Prior to October 2010, the top of base measuring point was incorrectly considered to be 8.22 ft NGVD, and the top of casing was considered to be 8.17 ft NGVD. See REMARKS.

PERIOD OF RECORD.--September 1977 to June 2011. Discontinued.

GAGE.--Electronic data logger.

REMARKS.--Cased interval is obstructed at a depth of 36 ft. The well remains in good communication with the aquifer. In 2010, the top of base measuring point was resurveyed and found to be 8.30 ft NGVD instead of 8.22 ft NGVD, requiring a correction of +0.08 ft for water level elevations published prior to October 2010. See DATUM. Corrected records are available in files of the U.S. Geological Survey. In 2011, well found leaking water into the casing.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 7.76 ft NGVD 29, Oct. 15, 1999; lowest, 7.20 ft below NGVD 29, June 14, 2011.

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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	2.95	3.24	2.86	1.35	1.79	2.00	2.29	2.30	-6.36	---	---	---
2	2.47	3.27	3.10	1.33	1.78	1.98	2.30	2.30	-6.41	---	---	---
3	2.15	3.28	3.13	1.33	1.80	1.97	2.29	-0.90	-6.44	---	---	---
4	1.96	2.74	3.13	1.33	1.78	1.93	2.29	-3.26	-6.50	---	---	---
5	3.25	2.50	3.13	1.33	1.78	1.91	2.29	-3.95	-6.57	---	---	---
6	3.39	2.32	3.13	1.32	1.78	1.89	2.29	-4.31	-6.60	---	---	---
7	3.39	2.42	-1.72	1.30	1.78	1.87	2.28	-4.46	-6.61	---	---	---
8	3.41	2.44	-3.05	1.28	1.74	1.83	2.27	-4.56	-6.28	---	---	---
9	3.37	3.23	-3.65	1.26	1.70	1.82	2.25	-4.66	-6.97	---	---	---
10	3.32	3.30	-3.86	1.25	1.70	1.80	2.25	-2.44	-6.82	---	---	---
11	3.34	3.30	-3.99	1.24	1.68	1.15	2.23	-1.31	-7.12	---	---	---
12	3.37	3.31	-0.16	1.23	1.67	1.15	2.22	-1.08	-7.18	---	---	---
13	2.47	3.31	1.06	1.21	1.67	1.14	2.21	-1.06	-7.18	---	---	---
14	2.19	1.15	1.23	1.14	1.64	1.10	2.18	-1.08	-7.20	---	---	---
15	2.05	0.79	1.26	1.11	1.60	1.08	2.16	-1.11	-7.17	---	---	---
16	1.94	0.65	1.26	1.11	1.57	1.06	2.20	-1.12	-7.11	---	---	---
17	1.84	0.59	1.27	1.36	1.53	1.03	2.23	-1.13	-7.06	---	---	---
18	2.75	0.54	1.39	1.42	1.51	1.01	2.23	-1.15	-6.97	---	---	---
19	2.87	2.96	1.44	1.29	1.49	0.98	-1.99	-1.21	-6.93	---	---	---
20	2.87	3.17	1.47	1.69	1.48	0.95	-3.31	-1.26	-4.85	---	---	---
21	2.85	3.20	1.47	1.84	1.46	0.92	-2.70	-1.29	---	---	---	---
22	2.94	3.21	1.47	1.86	1.44	0.90	-3.68	-1.34	---	---	---	---
23	3.02	3.21	1.46	1.86	1.41	0.88	-4.18	-1.38	---	---	---	---
24	3.07	3.21	1.45	1.85	1.39	0.85	-4.40	-1.43	---	---	---	---
25	3.12	1.41	1.45	1.87	2.07	0.81	-4.54	-3.98	---	---	---	---
26	3.12	1.02	1.49	1.94	2.07	0.78	-4.66	-3.72	---	---	---	---
27	3.11	0.92	1.48	1.88	2.06	0.76	-4.63	-5.39	---	---	---	---
28	3.17	0.85	1.46	1.89	2.03	2.10	-4.68	-5.87	---	---	---	---
29	3.19	0.81	1.39	1.88	---	2.24	0.19	-6.06	---	---	---	---
30	3.20	0.77	1.37	1.85	---	2.26	2.16	-6.20	---	---	---	---
31	3.20	---	1.36	1.91	---	2.27	---	-6.27	---	---	---	---
<b>Mean</b>	2.88	2.24	0.91	1.50	1.69	1.43	0.13	-2.53	---	---	---	---
<b>Max</b>	3.41	3.31	3.13	1.94	2.07	2.27	2.30	2.30	---	---	---	---
<b>Min</b>	1.84	0.54	-3.99	1.11	1.39	0.76	-4.68	-6.27	---	---	---	---

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