

Water-Data Report 2011

261734080111301 Local number G 1213. USGS Observation Well near Pompano Beach, FL.

Biscayne aquifer
Biscayne Limestone Aquifer

Broward County, FL

LOCATION.--Lat 26°17'34.6", long 80°11'10.5" referenced to North American Datum of 1983, in SE ¼ NE ¼ SE ¼ sec.7, T.48 S., R.42 E., Broward County, FL, Hydrologic Unit 03090202, along the eastern side of Lyons Road, 0.2 mi south of the intersection with Winston Park Boulevard, 1.0 mi east of U.S. Highway 441, and 7.5 mi northwest of Pompano Beach.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 15 ft. Casing diameter 5 in., cased to 12 ft, open hole 12 to 15 ft. See REMARKS.

DATUM.--Land-surface datum is 18.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.22 ft above National Geodetic Vertical Datum of 1929 (NGVD), Dec. 2, 1997, to present. From Dec. 2, 1997, to Jan. 9, 2002, measuring point was Top of base surveyed to 20.30. Elevation for purpose of water levels is 20.33 (slant dist.), 20.33 ft above NGVD. From Oct. 12, 1990, to Dec. 2, 1997, measuring point was Top of shelf (destroyed 11/1997), 20.60 ft above NGVD. From July 20, 1987, to Oct. 12, 1990, measuring point was Top of shelf, 20.48 ft above NGVD. From Oct. 1, 1980, to July 20, 1987, measuring point was Top of casing - listed as corrected in manuscript, 17.89 ft above NGVD. From Nov. 20, 1962, to Sept. 30, 1980, measuring point was Top of 5-in. casing, 17.95 ft above NGVD. See REMARKS.

PERIOD OF RECORD.--January 1963 to July 1987, (previous well); current well, July 1987 to current year. See REMARKS.

GAGE.--Electronic data logger.

REMARKS.--This well replaces 20 ft deep well G-1213 (USGS 261734080111301), abandoned in 1987. The replacement well was drilled in the vicinity of the abandoned well and the well name and number were retained for publication. Records of water levels from the site prior to October 1973 are available in files of the U.S. Geological Survey. The existing well is open to the aquifer to a depth of 14.6 ft. In 2003, the well was incorrectly reported as obstructed. The well was damaged and repaired December 1997, January 9, 2002.

EXTREMES FOR PERIOD OF RECORD.--Highest daily maximum water level, 19.38 ft NGVD, Sept. 19, 20, 1998; lowest, 9.32 ft NGVD, June 19, 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	12.34	11.41	11.21	11.41	11.14	10.93	11.03	9.96	9.70	10.07	10.14	---
2	12.02	11.41	11.25	11.39	11.14	10.96	10.99	9.96	9.69	10.15	---	---
3	11.84	11.42	11.24	11.38	11.12	10.97	10.92	9.96	9.67	10.17	---	---
4	11.73	11.46	11.24	11.36	11.11	10.96	10.87	9.96	9.63	10.17	---	---
5	11.62	11.44	11.27	11.36	11.11	10.97	10.78	9.97	9.61	10.18	---	---
6	11.53	11.37	11.26	11.35	11.10	10.99	10.73	10.05	9.59	10.19	---	---
7	11.46	11.33	11.25	11.36	11.09	11.01	10.68	10.08	9.56	10.21	---	---
8	11.38	11.30	11.24	11.36	11.09	11.01	10.63	10.08	9.53	10.27	---	12.38
9	11.31	11.29	11.25	11.34	11.09	11.02	10.60	10.07	9.51	10.29	---	12.43
10	11.27	11.27	11.25	11.31	11.07	11.05	10.56	10.06	9.49	10.31	---	12.44
11	11.21	11.24	11.28	11.28	11.10	11.05	10.52	10.02	9.46	10.31	---	12.32
12	11.17	11.22	11.30	11.26	11.10	11.05	10.47	9.98	9.43	10.30	---	12.30
13	11.13	11.23	11.31	11.24	11.11	11.05	10.41	9.93	9.41	10.29	---	12.35
14	11.14	11.26	11.31	11.22	11.10	11.05	10.36	9.91	9.38	10.29	---	12.28
15	11.13	11.25	11.33	11.19	11.09	11.03	10.31	10.06	9.37	10.29	---	12.07
16	11.13	11.27	11.34	11.18	11.07	11.01	10.27	10.09	9.36	10.29	---	11.93
17	11.17	11.28	11.34	11.16	11.08	11.01	10.26	10.09	9.35	10.27	---	11.83
18	11.17	11.34	11.58	11.17	11.02	11.00	10.23	10.10	9.33	10.23	---	11.75
19	11.18	11.32	11.70	11.17	11.00	10.97	10.19	10.09	9.32	10.19	---	11.72
20	11.19	11.31	11.72	11.17	11.02	10.93	10.16	10.03	9.33	10.15	---	11.68
21	11.23	11.37	11.72	11.16	10.99	10.94	10.14	9.99	9.34	10.42	---	11.68
22	11.21	11.30	11.72	11.16	10.97	10.87	10.12	9.95	9.35	10.59	---	11.68
23	11.20	11.27	11.71	11.15	10.95	10.84	10.08	9.91	9.33	10.59	---	11.64
24	11.22	11.23	11.69	11.13	10.95	10.82	10.06	9.88	9.35	10.58	---	11.56
25	11.28	11.25	11.65	11.12	10.93	10.80	10.02	9.85	9.56	10.52	---	11.51
26	11.29	11.23	11.62	11.19	10.93	10.76	9.98	9.83	9.59	10.46	---	11.46
27	11.29	11.24	11.58	11.20	10.93	10.72	9.96	9.81	9.61	10.40	---	11.42
28	11.39	11.27	11.54	11.20	10.92	10.81	9.94	9.79	9.61	10.34	---	11.36
29	11.44	11.23	11.50	11.18	---	11.02	9.92	9.77	9.68	10.29	---	11.34
30	11.44	11.21	11.47	11.16	---	11.04	9.94	9.75	9.88	10.22	---	11.34
31	11.46	---	11.44	11.15	---	11.05	---	9.72	---	10.19	---	---
Total	352.57	339.02	354.31	348.46	309.32	339.69	311.13	308.70	285.02	319.22	---	---
Mean	11.37	11.30	11.43	11.24	11.05	10.96	10.37	9.96	9.50	10.30	---	---
Max	12.34	11.46	11.72	11.41	11.14	11.05	11.03	10.10	9.88	10.59	---	---
Min	11.13	11.21	11.21	11.12	10.92	10.72	9.92	9.72	9.32	10.07	---	---

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