



Water-Data Report 2008

404535073370002 Local number N 8269. 2

Northern Atlantic Coastal Plain aquifer system
Magothy Aquifer
Nassau County, NY

LOCATION.--Lat 40°45'35", long 73°37'00" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, at east side of Bacon Road, 106 ft north of Hillside Avenue, south of school entrance, Old Westbury.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 86 ft. Upper casing diameter 4 in; top of first opening 81 ft, bottom of last opening 86 ft.

DATUM.--Land-surface datum is 111.7 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.

PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of the Geological Survey.

GAGE.--Digital water-level recorder; 60-minute recording interval. Periodic measurements made with chalked steel tape by U.S. Geological Survey personnel.

REMARKS.--Prior to April 1967, well at site (N1258.1) was screened in the upper glacial aquifer. Well N1258.1 was replaced by well N8269.1 in April 1967, which was replaced by well N8269.2 in June 1976 near same location.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 74.18 ft above sea level, May 21, 1980; lowest recorded, 59.25 ft above sea level, October 11 and 12, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 69.81 ft above sea level, May 17; lowest recorded, 67.84 ft above sea level, October 8 and 11.

404535073370002 Local number N 8269. 2—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	68.19	68.52	68.53	68.73	68.76	69.12	69.59	69.65	69.62	69.15	68.80	68.59
2	68.07	68.47	68.55	68.70	68.93	69.10	69.53	69.68	69.58	69.12	68.77	68.57
3	68.04	68.54	68.65	68.61	68.91	69.11	69.51	69.68	69.54	69.10	68.74	68.55
4	68.12	68.52	68.65	68.61	68.88	69.15	69.63	69.67	69.59	69.09	68.72	68.52
5	68.18	68.51	68.59	68.64	68.91	69.17	69.66	69.65	69.56	69.09	68.69	68.50
6	68.01	68.55	68.52	68.65	68.94	69.12	69.62	69.65	69.52	69.07	68.73	68.62
7	68.08	68.52	68.51	68.65	68.89	69.14	69.61	69.65	69.51	69.06	68.74	68.91
8	68.07	68.48	68.50	68.66	68.85	69.34	69.60	69.67	69.50	69.04	68.70	68.86
9	68.08	68.49	68.47	68.70	68.86	69.38	69.62	69.68	69.48	69.03	68.68	68.84
10	68.00	68.51	68.53	68.79	68.90	69.34	69.63	69.78	69.46	69.03	68.67	68.81
11	68.06	68.48	68.50	68.69	68.83	69.35	69.65	69.73	69.42	69.00	68.67	68.76
12	68.65	68.49	68.52	68.72	68.82	69.37	69.70	69.72	69.38	68.97	68.66	68.77
13	68.54	68.55	68.49	68.68	68.98	69.33	69.67	69.66	69.35	68.96	68.64	68.82
14	68.46	68.56	68.56	68.76	69.10	69.37	69.62	69.64	69.36	68.94	68.65	68.81
15	68.40	68.59	68.52	68.78	69.07	69.37	69.60	69.65	69.42	68.91	68.85	68.76
16	68.36	68.56	68.64	68.71	69.00	69.33	69.58	69.69	69.41	68.89	68.97	68.70
17	68.34	68.49	68.60	68.70	69.02	69.29	69.61	69.79	69.38	68.87	68.94	68.68
18	68.34	68.45	68.53	68.79	69.09	69.33	69.62	69.77	69.35	68.85	68.89	68.64
19	68.40	68.44	68.54	68.81	69.07	69.44	69.60	69.71	69.34	68.83	68.84	68.60
20	68.65	68.49	68.54	68.76	69.03	69.51	69.57	69.71	69.31	68.81	68.78	68.61
21	68.56	68.52	68.50	68.69	69.00	69.48	69.56	69.75	69.31	68.79	68.74	68.59
22	68.51	68.54	68.48	68.76	69.06	69.49	69.56	69.71	69.29	68.76	68.70	68.57
23	68.46	68.47	68.55	68.78	69.07	69.47	69.58	69.66	69.29	68.78	68.68	68.54
24	68.48	68.43	68.63	68.78	69.05	69.47	69.58	69.63	69.27	68.89	68.68	68.53
25	68.54	68.45	68.59	68.74	69.09	69.49	69.58	69.61	69.24	68.93	68.67	68.52
26	68.45	68.55	68.60	68.75	69.12	69.52	69.56	69.61	69.23	68.88	68.64	68.68
27	68.53	68.64	68.63	68.78	69.13	69.53	69.54	69.62	69.22	68.89	68.61	68.79
28	68.54	68.58	68.59	68.78	69.06	69.54	69.63	69.60	69.20	68.96	68.59	68.76
29	68.51	68.60	68.67	68.80	69.02	69.47	69.75	69.61	69.19	68.90	68.58	68.88
30	68.51	68.57	68.71	68.78	---	69.45	69.70	69.59	69.17	68.87	68.62	68.87
31	68.52	---	68.71	68.67	---	69.51	---	69.62	---	68.85	68.63	---
Mean	68.34	68.52	68.57	68.72	68.98	69.36	69.61	69.67	69.38	68.95	68.72	68.69
Max	68.65	68.64	68.71	68.81	69.13	69.54	69.75	69.79	69.62	69.15	68.97	68.91
Min	68.00	68.43	68.47	68.61	68.76	69.10	69.51	69.59	69.17	68.76	68.58	68.50
Med	68.40	68.52	68.55	68.73	69.00	69.37	69.61	69.66	69.37	68.93	68.69	68.68

	Calendar Year 2007	Water Year 2008
Mean	68.25	68.96
Max	68.97	69.79
Min	67.45	68.00
Med	68.43	68.84

404535073370002 Local number N 8269. 2—Continued

