

Water-Data Report 2008

404932073055902 Local number S 33380. 1

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

LOCATION.--Lat 40°49'32", long 73°05'59" referenced to North American Datum of 1927, Suffolk County, NY, Hydrologic Unit 02030202, at Duncan Avenue and Portion Road, in pumping center, in recorder shelter, Lake Ronkonkoma.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 855 ft. Upper casing diameter 4 in; top of first opening 840 ft, bottom of last opening 850 ft.

DATUM.--Land-surface datum is 133.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft above land-surface datum.

PERIOD OF RECORD.--October 1968 to current year. Unpublished records from October 1968 to September 1975 are available in files of the Geological Survey.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.--Water level affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 54.30 ft above sea level, April 27, 1979; lowest recorded, 43.83 ft above sea level, September 1, 1995.

EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 52.25 ft above sea level, October 12; lowest recorded, 49.79 ft above sea level, August 29.

404932073055902 Local number S 33380. 1—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	51.90	51.88	51.37	51.14	50.82	51.09	51.55	51.51	51.17	50.63	50.21	49.96
2	51.99	51.76	51.39	51.09	50.82	50.93	51.36	51.64	51.02	50.54	50.19	49.94
3	52.00	51.92	51.62	50.87	50.78	50.97	51.23	51.61	50.90	50.55	50.28	49.97
4	51.94	51.81	51.48	50.97	50.79	51.05	51.50	51.59	51.07	50.52	50.21	50.00
5	51.88	51.65	51.42	51.06	50.96	51.05	51.36	51.51	51.17	50.65	50.12	50.04
6	51.92	51.68	51.22	51.07	51.06	50.80	51.28	51.55	51.20	50.78	50.25	50.25
7	51.78	51.56	51.28	51.01	50.87	50.95	51.29	51.53	51.20	50.73	50.31	50.27
8	51.85	51.54	51.32	51.03	50.73	51.30	51.34	51.62	51.06	50.70	50.34	50.19
9	51.81	51.66	51.25	51.06	50.78	51.07	51.41	51.66	50.91	50.63	50.34	50.22
10	52.01	51.75	51.32	50.95	50.86	51.08	51.59	51.68	50.83	50.53	50.34	50.20
11	52.14	51.68	51.31	51.08	50.63	51.22	51.50	51.60	50.79	50.44	50.36	50.20
12	52.17	51.74	51.36	50.96	50.61	51.34	51.55	51.57	50.76	50.36	50.40	50.33
13	52.07	51.81	51.38	50.95	50.96	51.22	51.44	51.33	50.82	50.38	50.39	50.47
14	52.14	51.79	51.30	51.05	50.81	51.30	51.32	51.27	50.86	50.29	50.29	50.51
15	52.08	51.84	51.16	51.00	50.94	51.30	51.28	51.28	50.95	50.19	50.23	50.35
16	52.05	51.73	51.52	50.88	50.93	51.21	51.29	51.35	51.05	50.14	50.30	50.11
17	51.93	51.60	51.21	50.92	51.03	51.13	51.37	51.47	51.12	50.12	50.39	50.15
18	51.80	51.55	51.09	51.05	51.20	51.19	51.45	51.38	51.08	50.13	50.24	50.05
19	51.86	51.59	51.19	50.91	51.05	51.33	51.46	51.31	51.01	50.04	50.09	49.96
20	51.85	51.71	51.20	50.88	50.95	51.31	51.26	51.31	50.92	50.02	49.95	50.02
21	51.76	51.71	51.10	50.78	50.91	51.24	51.22	51.45	50.91	50.06	49.95	50.03
22	51.80	51.73	51.09	51.01	51.10	51.33	51.21	51.44	51.02	50.03	49.94	50.06
23	51.81	51.52	51.25	51.00	51.09	51.28	51.23	51.35	51.11	50.15	49.97	50.07
24	51.71	51.46	51.22	50.89	50.99	51.28	51.20	51.22	51.14	50.39	50.00	50.07
25	51.70	51.54	51.05	50.79	51.05	51.32	51.16	51.09	50.93	50.54	49.92	50.00
26	51.82	51.65	51.10	50.84	51.13	51.42	51.15	51.07	50.89	50.47	49.86	50.31
27	51.99	51.64	51.13	50.87	51.12	51.35	51.14	51.06	50.89	50.40	49.89	50.49
28	51.87	51.46	51.02	50.82	50.88	51.36	51.34	51.07	50.83	50.50	49.84	50.56
29	51.82	51.45	51.16	50.84	50.84	51.26	51.44	51.18	50.76	50.45	49.86	50.49
30	51.81	51.32	51.07	50.81	---	51.25	51.52	51.17	50.74	50.39	50.00	50.59
31	51.84	---	51.11	50.54	---	51.40	---	51.20	---	50.34	50.01	---
Mean	51.91	51.66	51.25	50.94	50.92	51.20	51.35	51.39	50.97	50.39	50.14	50.20
Max	52.17	51.92	51.62	51.14	51.20	51.42	51.59	51.68	51.20	50.78	50.40	50.59
Min	51.70	51.32	51.02	50.54	50.61	50.80	51.14	51.06	50.74	50.02	49.84	49.94
Med	51.87	51.67	51.22	50.95	50.93	51.25	51.34	51.38	50.94	50.40	50.21	50.17

	Calendar Year 2007	Water Year 2008
Mean	52.85	51.03
Max	54.10	52.17
Min	51.02	49.84
Med	53.09	51.09

404932073055902 Local number S 33380. 1—Continued

