Water-Data Report 2008

01304738 MILL POND AT WATER MILL, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°54′35″, long 72°21′47″ referenced to North American Datum of 1927, Suffolk County, NY, Hydrologic Unit 02030202, on southwestern shore at Town of Southampton boat launch on Old Mill Road, in Water Mill.

DRAINAGE AREA.--4.02 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Nonrecording gage read once monthly. Datum of gage is NGVD of 1929.

REMARKS.--Records excellent.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 6.82 ft, Sept. 30, 2004; minimum observed, 5.79 ft, Aug. 19, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation observed, 6.23 ft, Mar. 4, Apr. 10; minimum observed, 5.92 ft, Sept. 5.

REVISIONS.--The minimum observed elevation for water year 2007 has been revised to 6.06 ft, Sept. 25, 2007.

WATER SURFACE ELEVATION IN FEET NGVD 1929
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Water level	Date	Water level
Oct 23	6.17	Apr 10	6.23
Dec 5	6.15	May 15	6.15
Jan 4	6.17	Jun 26	6.06
Feb 7	6.19	Jul 9	5.98
Mar 4	6.23	Sep 5	5.92

01304738 MILL POND AT WATER MILL, NY—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 1 of 3
[Remark codes: <, less than.]

Date	Time	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf µS/cm @ 25 degC (00095)	Temper-ature, water, deg C (00010)	Trans-parency water in situ Secchi disc feet (49701)	Turbid-ity, IR LED light, det ang 90 deg, FNU (63680)	DepthTo bottom at sample loca-tion, feet (81903)	Sam-pling depth, feet (00003)	Dis-solved solids dried @ 180degC wat flt mg/L (70300)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)
Aug 27...	1300	12.7	151	8.9	222	24.1	1.3	33	6.00	2.00	150	18.2	6.09

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 3
[Remark codes: <, less than.]

Date	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L as P (00665)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Iron, water, fltrd, µg/L (01046)
Aug 27...	3.00	11.0	20.1	<.12	.41	32.2	.021	.26	.008	<.006	.018	.98	61

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 3
[Remark codes: <, less than.]

Date	Mangan-ese, water, fltrd, µg/L (01056)
Aug 27...	2.0

01304738 MILL POND AT WATER MILL, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[Remark codes: <, less than.]

Date	Time	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, wat unf µS/cm @ 25 degC (00095)	Temper-ature, water, deg C (00010)	Turbid-ity, IR LED light, det ang 90 deg, FNU (63680)	Sam-pling depth, feet (00003)
Aug								
19...	0835	8.1	99	7.3	230	25.6	11	.50
19...	0836	8.1	99	7.3	230	25.6	11	1.00
19...	0837	8.1	99	7.3	230	25.6	12	1.50
19...	0839	7.8	94	7.2	230	25.5	11	2.50
19...	0840	7.1	86	7.1	230	25.3	12	3.00
19...	0841	6.9	83	7.1	231	25.2	22	3.50
19...	0842	6.5	77	6.6	248	25.2	21	4.00
19...	0843	2.9	36	6.3	247	25.2	<.1	4.50
19...	0844	.2	2	6.3	205	20.1	<.1	5.00
19...	0845	.2	2	6.3	347	25.0	<.1	5.50
19...	0846	.1	2	6.3	340	25.0	<.1	6.00
19...	0847	.1	2	6.3	337	25.0	<.1	6.50
19...	0848	.1	2	6.3	336	25.0	.1	7.50
19...	1200	8.1	99	7.3	230	25.6	12	2.00
27...	1225	12.6	150	9.0	222	24.1	31	1.00
27...	1226	12.7	152	9.0	222	24.1	31	1.50
27...	1227	12.7	151	8.9	222	24.1	33	2.00
27...	1228	12.7	152	8.9	222	24.6	30	2.50
27...	1229	12.8	152	8.9	222	24.1	32	3.00
27...	1230	12.8	152	8.9	222	24.1	31	3.50
27...	1231	12.6	151	8.9	222	23.9	33	4.00
27...	1232	12.8	152	8.9	222	24.1	32	4.50
27...	1233	12.8	152	8.7	222	24.0	32	5.00
27...	1234	11.8	139	8.2	224	23.6	1.0	5.50
27...	1235	4.6	48	6.7	272	23.2	<.1	6.00
27...	1300	12.7	151	8.9	222	24.1	33	2.00