

01310000 BELLMORE CREEK AT BELLMORE, NY

Long Island Basin
Southern Long Island Subbasin

LOCATION.--Lat 40°40'43", long 73°30'58" referenced to North American Datum of 1927, Nassau County, NY, Hydrologic Unit 02030202, on right bank 40 ft east of intersection of Valentine Place and Mill Road, in Bellmore, 0.5 mi north of Sunrise Highway, and 0.5 mi northwest of Wantagh.

DRAINAGE AREA.--17.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June to October 1883 (fragmentary), July to October 1903, published in Professional Paper 44, September 1937 to March 2000. October 2005 to current year. Prior to October 1957 published as Wantagh Stream at Wantagh. October 1957 to October 1967, published as Wantagh Stream at Bellmore.

GAGE.--

Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft above NGVD of 1929. June to October 1883, determination of flow by various methods at different site and datum. July to October 1903, nonrecording gages on two channels near present site at different datum. Sept. 23, 1937, to Aug. 1, 1958, water-stage recorder with concrete control on right bank of present secondary channel about 1,000 ft east at datum 1.88 ft higher (used as supplementary gage since Aug. 1, 1958).

Supplementary gage (01309990): Water-stage recorder with concrete control on right bank of secondary channel about 1,000 ft east of base gage at datum of 16.96 ft above NGVD of 1929. Prior to July 28, 1965, at datum 2.00 ft higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi above station, and prior to November 1953 by Browning Pond, 0.5 mi above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows to main and secondary channels.

EXTREMES FOR PERIOD OF RECORD.--Extremes prior to 1937 not included. Maximum daily discharge, 162 ft³/s, Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft³/s, June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 2.57 ft, June 1, 1952, datum then in use; no flow July 24, 25, 1986, Aug. 11 to Sept. 16, 19-21, 1995, and many days July to Sept. 1999.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 94 ft³/s, Oct. 14; minimum daily, 0.24 ft³/s, Oct. 5.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.31	e6.5	e7.3	6.3	7.5	6.0	4.8	5.7	4.5	4.0	2.6	2.8
2	0.30	6.8	e6.6	7.3	7.4	6.7	4.6	5.5	5.9	3.7	2.5	5.6
3	0.27	6.9	e6.3	19	11	6.2	5.2	5.4	14	3.4	2.4	8.7
4	0.28	6.9	e6.5	10	11	6.0	5.1	5.2	6.6	5.2	2.3	6.6
5	0.24	6.8	e6.2	9.2	11	5.8	5.2	5.0	6.4	20	2.2	16
6	0.25	7.0	e6.2	8.9	8.4	5.6	4.6	4.6	5.9	11	2.1	17
7	0.27	6.8	e5.9	8.4	8.0	5.6	4.6	4.5	14	5.9	2.1	10
8	3.0	6.8	e5.7	8.5	7.6	5.6	9.1	4.4	8.0	5.0	2.1	3.2
9	1.6	7.5	e11	8.0	7.5	5.6	5.6	4.4	11	4.5	2.0	3.0
10	1.3	9.2	e7.3	7.3	7.1	5.7	5.1	4.4	8.7	4.3	2.0	2.9
11	2.3	7.7	e6.7	7.6	7.2	5.5	4.7	4.5	6.0	4.3	2.0	2.6
12	19	7.3	e6.2	7.5	7.7	8.9	4.9	17	5.4	9.3	1.9	2.7
13	18	6.7	e6.1	7.1	7.0	6.6	4.8	5.9	5.0	12	1.8	2.6
14	94	6.3	e5.9	16	7.0	6.2	4.9	5.1	5.0	5.3	1.9	3.5
15	42	6.7	e5.7	11	7.0	5.6	4.8	7.2	4.0	4.6	2.0	7.5
16	20	7.8	e14	8.3	7.1	5.6	4.4	15	4.0	4.0	1.8	4.5
17	12	e10	e7.8	7.7	7.4	5.9	4.5	7.0	3.8	3.6	1.6	3.4
18	10	e7.4	e7.0	17	6.9	5.6	4.3	6.0	3.6	3.7	1.7	3.2
19	8.5	e6.7	e6.8	10	6.6	5.6	4.3	12	3.4	4.6	1.8	3.6
20	7.5	e6.3	6.5	9.1	6.7	5.7	4.3	7.0	3.4	3.7	2.0	3.4
21	6.9	e6.8	6.3	8.6	6.6	5.7	4.2	6.0	3.2	5.0	1.7	3.2
22	9.3	e16	6.2	8.1	6.6	5.7	5.7	5.5	3.0	6.3	1.5	3.2
23	9.9	e8.8	6.2	15	6.6	5.2	41	5.2	3.0	4.1	1.5	3.2
24	8.3	e8.1	5.9	9.8	6.4	5.2	13	4.9	14	3.6	1.4	3.2
25	16	e7.1	8.7	9.1	6.9	5.2	9.3	4.7	6.4	3.4	17	2.9
26	10	e6.9	12	8.4	6.1	5.0	7.9	5.1	4.7	3.3	5.6	4.0
27	8.3	e6.7	7.2	8.1	6.5	5.0	7.2	4.8	4.1	3.2	4.7	6.1
28	7.4	e6.4	6.7	8.0	6.5	5.1	6.7	4.4	9.2	3.2	8.0	5.5
29	6.8	e6.2	7.9	7.9	---	4.8	6.2	4.2	4.8	3.1	4.2	3.0
30	6.9	e11	6.6	7.7	---	4.6	6.2	4.2	4.3	2.7	3.5	2.9
31	6.5	---	6.7	7.6	---	4.6	---	4.1	---	2.6	3.0	---
Total	337.42	228.1	222.1	292.5	209.3	176.1	207.2	188.9	185.3	162.6	92.9	150.0
Mean	10.9	7.60	7.16	9.44	7.47	5.68	6.91	6.09	6.18	5.25	3.00	5.00
Max	94	16	14	19	11	8.9	41	17	14	20	17	17
Min	0.24	6.2	5.7	6.3	6.1	4.6	4.2	4.1	3.0	2.6	1.4	2.6

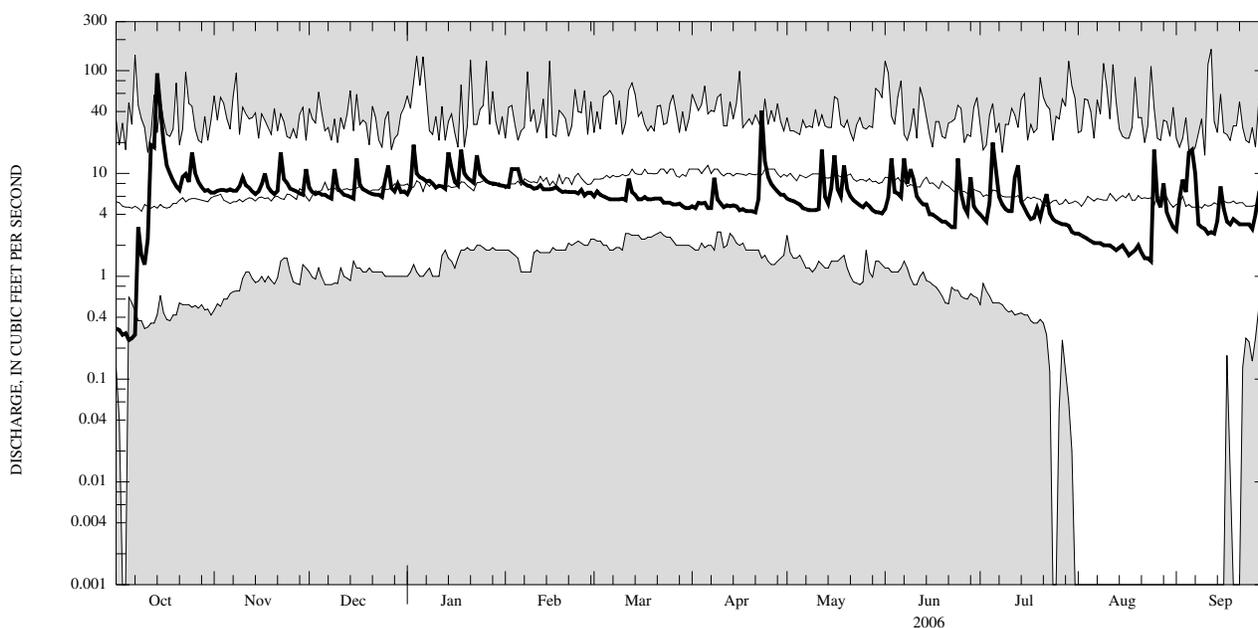
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.56	7.75	8.40	9.26	9.97	11.4	11.8	10.1	8.73	7.14	7.09	6.27
Max	18.9	24.4	20.8	21.8	19.9	24.4	26.3	23.2	26.5	19.5	21.2	23.0
(WY)	(1959)	(1956)	(1978)	(1978)	(1956)	(1961)	(1953)	(1958)	(1952)	(1975)	(1961)	(1960)
Min	0.65	1.17	1.22	2.13	2.34	2.73	2.00	1.53	0.96	0.48	0.08	0.29
(WY)	(1987)	(1988)	(1996)	(1996)	(1995)	(1995)	(1995)	(1995)	(1995)	(1999)	(1995)	(1986)

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SUMMARY STATISTICS

	Water Year 2006		Water Years 1937 - 2006	
Annual total	2,452.42			
Annual mean	6.72		8.75	
Highest annual mean			19.7	1961
Lowest annual mean			1.54	1995
Highest daily mean	94	Oct 14	162	Sep 12, 1960
Lowest daily mean	0.24	Oct 5	0.00	Jul 24, 1986
Annual seven-day minimum	0.27	Oct 1	0.00	Aug 11, 1995
10 percent exceeds	10		17	
50 percent exceeds	6.0		7.0	
90 percent exceeds	2.6		2.0	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
 SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
 ZERO FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.