

**01310000 BELLMORE CREEK AT BELLMORE, NY**

Long Island Basin  
Southern Long Island Subbasin

LOCATION.--Lat 40°40'43", long 73°30'56" referenced to North American Datum of 1983, 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.--14.2 mi<sup>2</sup>.

**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.

REVISED RECORDS.--WDR NY-09-2: Drainage area.

**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 fair 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 discharge prior to beginning of diversion in November 1955, 340 ft<sup>3</sup>/s, June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 2.57 ft, June 1, 1952, datum then in use; maximum daily discharge since beginning of diversion in November 1955, 162 ft<sup>3</sup>/s, Sept. 12, 1960; minimum, 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, about 78 ft<sup>3</sup>/s, Mar. 30; minimum daily, 1.7 ft<sup>3</sup>/s, Aug. 20, 21. Maximum and minimum instantaneous discharges not determined.

## 01310000 BELLMORE CREEK AT BELLMORE, NY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e2.5	5.3	3.7	4.9	3.0	10	20	9.6	5.8	3.3	2.4	2.1
2	e2.5	5.0	3.4	4.5	3.1	9.7	18	9.5	5.7	3.3	2.7	2.1
3	2.6	4.9	14	4.1	3.3	9.7	17	16	5.5	3.2	3.1	2.2
4	2.6	3.9	4.4	3.8	3.2	9.0	16	9.7	5.3	3.5	3.4	2.3
5	2.5	3.9	6.3	3.7	3.3	8.8	16	9.3	5.0	3.3	3.4	2.2
6	2.4	3.8	5.9	3.7	3.4	8.5	14	9.2	5.0	3.1	3.8	2.2
7	2.7	4.0	4.5	3.7	3.0	8.1	14	8.9	5.3	3.1	3.2	2.2
8	2.8	4.5	4.3	3.7	2.9	8.0	14	8.8	4.9	3.4	2.6	2.2
9	2.8	4.5	25	3.5	2.9	8.0	19	8.6	7.2	3.3	3.5	2.2
10	2.6	4.5	7.3	3.4	3.4	7.8	13	8.5	7.8	2.9	3.5	2.4
11	2.5	4.3	5.0	3.2	3.4	7.6	13	8.2	5.9	2.9	2.6	2.2
12	2.4	4.2	4.3	3.1	3.0	8.5	12	9.7	5.4	2.9	2.4	2.2
13	2.4	4.4	7.9	3.1	3.0	e44	12	8.3	5.2	3.0	2.6	2.6
14	2.3	5.7	5.8	3.0	3.0	48	12	8.1	5.1	3.2	2.4	2.6
15	2.7	4.3	4.4	3.0	3.0	19	11	7.7	4.9	3.2	2.4	3.0
16	2.9	3.8	4.0	3.0	3.6	14	13	7.6	5.0	2.9	2.2	3.3
17	2.6	3.7	3.7	5.1	3.5	13	13	7.4	5.0	2.8	2.1	3.2
18	4.5	3.9	3.6	5.2	3.4	13	11	14	4.8	2.6	1.9	2.5
19	e3.5	4.4	3.7	3.7	3.5	12	10	9.0	4.7	4.8	1.8	2.5
20	e2.9	8.0	3.6	3.4	3.7	12	10	7.6	4.7	2.8	1.7	2.5
21	e2.7	3.9	3.4	3.1	3.6	11	10	7.3	4.6	2.6	1.7	2.4
22	e2.7	3.4	3.1	3.1	3.5	15	11	7.3	5.3	2.5	2.8	2.5
23	e2.7	3.2	3.0	3.0	13	23	9.9	7.2	5.2	3.0	3.9	2.5
24	e20	3.2	3.0	3.0	26	12	9.4	7.2	4.6	2.5	2.1	2.4
25	8.5	3.2	3.1	10	e44	10	20	6.8	4.4	2.9	3.6	2.4
26	3.9	3.2	9.3	5.2	e15	11	22	6.2	4.2	2.8	2.3	2.4
27	4.0	3.4	8.5	4.1	11	10	16	6.1	4.2	2.7	2.1	2.9
28	11	3.4	5.6	3.8	10	9.9	11	6.0	4.0	2.6	2.0	2.9
29	6.5	3.7	4.6	3.4	---	e37	10	5.9	3.9	2.6	2.0	2.7
30	5.2	3.9	4.3	3.4	---	e78	9.9	5.9	3.7	2.5	1.9	14
31	5.2	---	4.4	3.2	---	24	---	5.8	---	2.4	2.0	---
<b>Total</b>	127.1	125.5	177.1	120.1	190.7	519.6	407.2	257.4	152.3	92.6	80.1	85.8
<b>Mean</b>	4.10	4.18	5.71	3.87	6.81	16.8	13.6	8.30	5.08	2.99	2.58	2.86
<b>Max</b>	20	8.0	25	10	44	78	22	16	7.8	4.8	3.9	14
<b>Min</b>	2.3	3.2	3.0	3.0	2.9	7.6	9.4	5.8	3.7	2.4	1.7	2.1

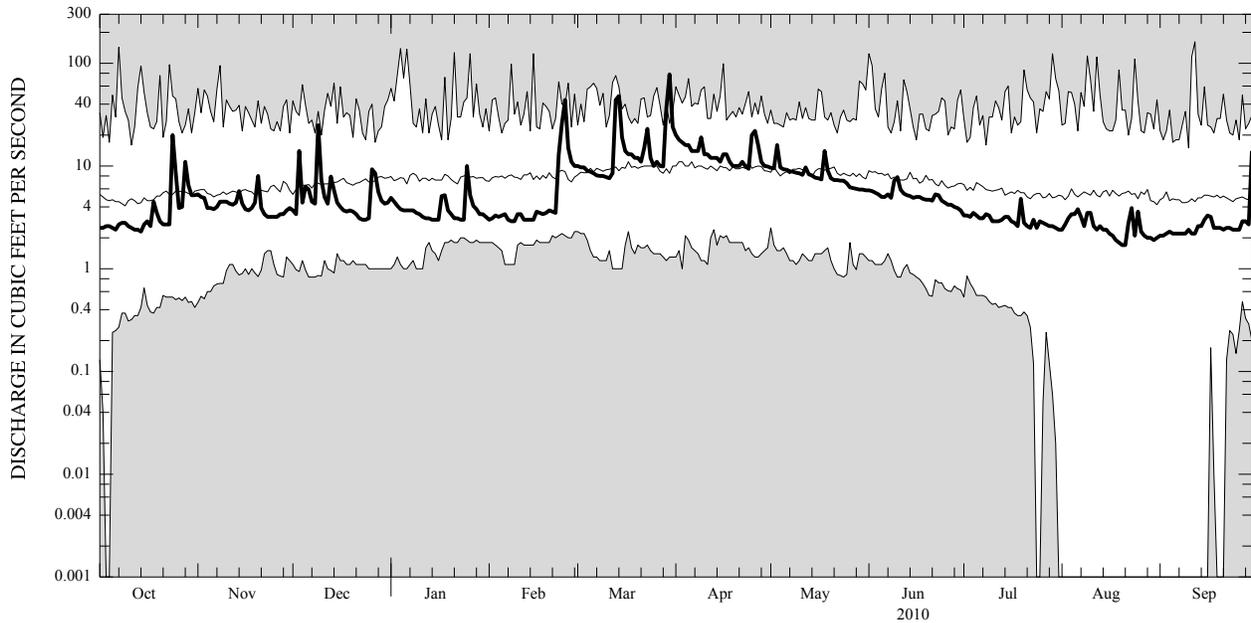
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	6.41	7.57	8.28	9.08	9.79	11.2	11.6	9.92	8.51	6.98	6.88	6.07
<b>Max</b>	18.9	24.4	20.8	21.8	19.9	24.4	26.3	23.2	26.5	19.5	21.2	23.0
<b>(WY)</b>	(1959)	(1956)	(1978)	(1978)	(1956)	(1961)	(1953)	(1958)	(1952)	(1975)	(1961)	(1960)
<b>Min</b>	0.65	1.17	1.22	2.13	2.34	2.41	2.00	1.53	0.96	0.48	0.08	0.29
<b>(WY)</b>	(1987)	(1988)	(1996)	(1996)	(1995)	(2007)	(1995)	(1995)	(1995)	(1999)	(1995)	(1986)

01310000 BELLMORE CREEK AT BELLMORE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2009		Water Year 2010		Water Years 1937 - 2010	
<b>Annual total</b>	2,032.5		2,335.5			
<b>Annual mean</b>	5.57		6.40		8.56	
<b>Highest annual mean</b>					19.7	1961
<b>Lowest annual mean</b>					1.54	1995
<b>Highest daily mean</b>	27	Jan 7	78	Mar 30	162	Sep 12, 1960
<b>Lowest daily mean</b>	2.0	Sep 26	1.7	Aug 20	0.00	Jul 24, 1986
<b>Annual seven-day minimum</b>	2.2	Sep 20	2.0	Aug 15	0.00	Aug 11, 1995
<b>10 percent exceeds</b>	8.2		13		16	
<b>50 percent exceeds</b>	5.0		3.9		6.8	
<b>90 percent exceeds</b>	2.7		2.4		2.1	



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 OR NEGATIVE FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.