Water-Data Report 2007

01302050 ALLEY CREEK NEAR OAKLAND GARDENS, NY

Long Island Basin
Northern Long Island Subbasin

LOCATION.--Lat 40°45'21", long 73°44'47" referenced to North American Datum of 1927, Queens County, NY, Hydrologic Unit 02030201, on right bank just upstream from Cross Island Parkway entrance ramp, at upstream side of culvert in Alley Pond Park, about 4.0 mi northeast of Oakland Gardens.

DRAINAGE AREA.--About 1.6 mi^2

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1993 to September 2006, August to September of current year.

GAGE.--Water-stage recorder. Datum of gage is 5.26 ft above NGVD of 1929.

REMARKS.--Records poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 354 ft^3/s, Oct. 19, 1996, gage height, 5.09 ft, from rating curve extended above 60 ft^3/s; maximum gage height, 6.17 ft, Oct. 19, 1996, result of high tide; minimum discharge, 0.66 ft^3/s, part or all of many days 1995-97, Mar. 27, 2003, June 17-19, 21-24, 2004, all result of regulation.

EXTREMES FOR CURRENT PERIOD.--August to September 2007: Maximum daily discharge, about 3.3 ft3/s, Sept. 11; minimum daily discharge, about 2.0 ft3/s, Aug. 1-4. Maximum and minimum instantaneous discharges not determined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	e2.0	e2.5
2	---	---	---	---	---	---	---	---	---	---	e2.0	e2.5
3	---	---	---	---	---	---	---	---	---	---	e2.0	e2.5
4	---	---	---	---	---	---	---	---	---	---	e2.0	e2.5
5	---	---	---	---	---	---	---	---	---	---	e2.1	e2.5
6	---	---	---	---	---	---	---	---	---	---	e2.2	e2.4
7	---	---	---	---	---	---	---	---	---	---	e2.5	e2.4
8	---	---	---	---	---	---	---	---	---	---	e3.0	e2.4
9	---	---	---	---	---	---	---	---	---	---	e2.5	e2.5
10	---	---	---	---	---	---	---	---	---	---	e3.0	e3.0
11	---	---	---	---	---	---	---	---	---	---	e2.4	e3.3
12	---	---	---	---	---	---	---	---	---	---	e2.1	e2.8
13	---	---	---	---	---	---	---	---	---	---	e2.1	e2.5
14	---	---	---	---	---	---	---	---	---	---	e2.1	e2.4
15	---	---	---	---	---	---	---	---	---	---	e2.2	e2.3
16	---	---	---	---	---	---	---	---	---	---	e2.3	e2.1
17	---	---	---	---	---	---	---	---	---	---	e2.4	e2.1
18	---	---	---	---	---	---	---	---	---	---	e2.3	e2.1
19	---	---	---	---	---	---	---	---	---	---	e2.2	e2.1
20	---	---	---	---	---	---	---	---	---	---	e2.4	e2.1
21	---	---	---	---	---	---	---	---	---	---	e2.7	e2.1
22	---	---	---	---	---	---	---	---	---	---	e2.5	e2.1
23	---	---	---	---	---	---	---	---	---	---	e2.3	e2.1
24	---	---	---	---	---	---	---	---	---	---	e2.3	e2.1
25	---	---	---	---	---	---	---	---	---	---	e2.3	e2.3
26	---	---	---	---	---	---	---	---	---	---	e2.3	2.7
27	---	---	---	---	---	---	---	---	---	---	e2.4	2.8
28	---	---	---	---	---	---	---	---	---	---	e2.4	2.7
29	---	---	---	---	---	---	---	---	---	---	e2.5	2.7
30	---	---	---	---	---	---	---	---	---	---	e2.5	2.7
31	---	---	---	---	---	---	---	---	---	---	e2.5	---
Total	---	---	---	---	---	---	---	---	---	---	72.5	73.3
Mean	---	---	---	---	---	---	---	---	---	---	2.34	2.44
Max	---	---	---	---	---	---	---	---	---	---	3.0	3.3
Min	---	---	---	---	---	---	---	---	---	---	2.0	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.63	1.51	1.69	1.74	1.60	1.81	1.74	1.66	1.63	1.58	1.61	1.71
Max	4.02	2.63	2.58	3.14	2.64	2.90	2.65	2.80	2.95	3.08	2.34	2.80
(WY)	(2006)	(2006)	(2006)	(2006)	(2006)	(2001)	(2006)	(2006)	(2006)	(2004)	(2007)	(2006)
Min	0.93	0.96	1.02	1.18	0.93	1.07	1.04	0.98	0.94	0.93	0.95	1.10
(WY)	(2002)	(2002)	(1996)	(1997)	(1996)	(1995)	(1995)	(1995)	(1995)	(1993)	(1995)	(1995)

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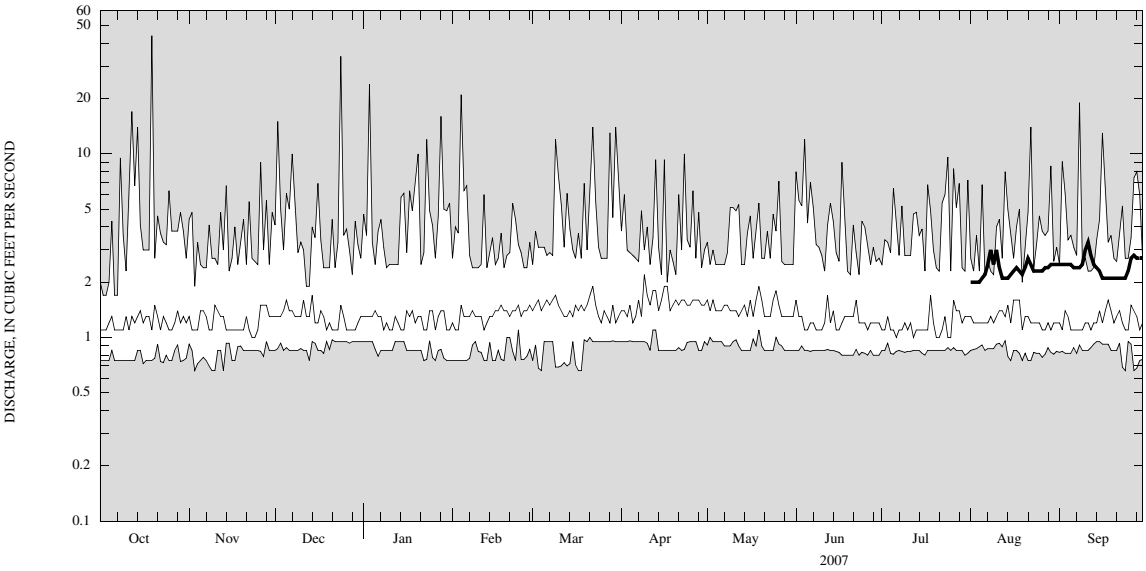
SUMMARY STATISTICS

	Water Years 1993 - 2007	
Annual mean	1.66	
Highest annual mean	2.83	2006
Lowest annual mean	1.19	2002
Highest daily mean	44	Oct 19, 1996
Lowest daily mean	0.66	Sep 24, 1995
Annual seven-day minimum	0.73	Sep 27, 1995
10 percent exceeds	2.6	
50 percent exceeds	1.3	
90 percent exceeds	0.92	



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.