01356190 LISHA KILL NORTHWEST OF NISKAYUNA, NY

Upper Hudson Basin
Mohawk Subbasin

LOCATION.--Lat 42°47′01″, long 73°51′26″ referenced to North American Datum of 1927, Schenectady County, NY, Hydrologic Unit 02020004, on left bank 20 ft downstream from culvert on State Highway 7, 1.0 mi upstream from mouth, and 5.6 mi east of Schenectady.

DRAINAGE AREA.--15.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1993 to September 1997, October 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 250 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 662 ft^3/s, Jan. 19, 1996, from rating curve extended above 260 ft^3/s; maximum gage height, 6.36 ft, Jan. 19, 1996 (ice jam); minimum discharge, 0.02 ft^3/s, part of each day Aug. 31, Sept. 9-13, 18-20, Oct. 6, 2001; minimum gage height, 0.05 ft, Aug. 28, 31, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 230 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 28	1800	271	3.19
Mar 27	0300	263	3.15
Apr 4	2230	253	3.10
Apr 16	1100	a*573	*4.68

a From rating curve extended above 260 ft^3/s.

Minimum discharge, 1.3 ft^3/s, July 4, gage height, 0.58 ft; minimum gage height, 0.54 ft, Aug. 30, Sept. 7, 8..

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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	62	18	19	27	e5.7	e6.4	44	19	6.4	1.7	3.8	6.8
2	37	64	38	22	e5.7	e8.0	61	23	5.4	1.5	3.2	3.6
3	17	32	16	14	e5.6	e15	43	18	5.4	1.5	3.0	2.7
4	10	21	12	13	e5.6	e13	114	15	93	3.6	2.7	2.2
5	15	17	11	13	e5.5	e11	136	14	62	7.8	2.3	1.9
6	9.3	14	9.2	30	e5.5	e11	55	13	18	3.5	2.8	1.8
7	6.9	13	10	18	e5.5	e10	39	13	11	5.1	2.8	1.6
8	6.3	60	8.8	50	e5.5	e10	30	13	8.7	2.2	11	1.6
9	e5.7	115	7.1	32	e5.5	e10	26	12	7.3	56	3.6	21
10	5.5	39	7.7	20	e5.5	e10	23	13	6.3	68	42	29
11	5.6	25	8.2	14	e5.6	e11	19	64	6.8	21	12	44
12	19	26	9.3	12	e5.6	e14	73	26	6.0	25	5.6	17
13	12	72	9.6	16	e5.6	e20	80	17	5.5	8.3	4.1	6.2
14	7.6	47	9.0	16	e5.6	e50	46	14	4.6	5.5	3.1	4.5
15	6.3	36	8.4	61	e5.6	e100	113	16	3.9	12	2.7	16
16	8.0	30	9.2	59	e5.5	e80	484	60	3.5	7.3	2.4	6.4
17	21	71	7.7	27	e5.5	e65	209	31	3.1	5.5	2.2	4.4
18	32	30	7.6	14	e5.5	e55	123	16	2.8	59	2.3	3.8
19	16	22	7.1	e12	e5.5	e40	78	22	5.1	41	1.8	3.5
20	76	20	6.6	e10	e5.5	46	46	85	25	44	1.8	3.2
21	59	16	6.7	e9.5	e5.6	43	37	27	5.8	12	1.8	2.9
22	23	14	10	e9.0	e5.6	45	31	17	4.0	7.9	1.8	2.9
23	16	15	67	e8.0	e5.6	115	28	13	3.1	13	1.8	3.4
24	13	15	27	e8.5	e5.6	86	26	12	2.5	12	1.7	2.6
25	12	13	16	e7.0	e5.6	115	32	10	2.3	7.8	2.7	2.2
26	9.2	12	85	e6.7	e5.7	107	39	8.7	2.1	6.2	13	2.1
27	9.0	11	37	e6.3	e5.7	208	27	9.5	7.5	5.7	3.7	1.9
28	126	11	21	e6.0	e5.8	146	25	43	11	11	2.2	5.5
29	75	11	16	e5.8	---	85	23	13	3.2	10	1.8	6.9
30	29	11	13	e5.7	---	62	23	8.9	2.1	5.3	18	2.7
31	21	---	12	e5.7	---	50	---	7.5	---	4.3	47	---
Total	770.4	901	532.2	558.2	156.3	1,647.4	2,133	673.6	333.4	474.7	210.7	214.3
Mean	24.9	30.0	17.2	18.0	5.58	53.1	71.1	21.7	11.1	15.3	6.80	7.14
Max	126	115	85	61	5.8	208	484	85	93	68	47	44
Min	5.5	11	6.6	5.7	5.5	6.4	19	7.5	2.1	1.5	1.7	1.6
Cfsm	1.59	1.93	1.10	1.15	0.36	3.41	4.56	1.39	0.71	0.98	0.44	0.46
In.	1.84	2.15	1.27	1.33	0.37	3.93	5.09	1.61	0.80	1.13	0.50	0.51

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	14.5	19.6	22.3	19.9	15.4	34.9	38.2	21.3	15.7	12.2	9.50	6.94
Max	43.2	36.2	48.6	44.1	34.2	61.2	71.1	41.5	50.2	25.5	41.1	20.4
(WY)	(2006)	(2004)	(2004)	(1996)	(1997)	(2003)	(2007)	(1996)	(2006)	(1996)	(2004)	(2004)
Min	0.83	1.78	4.12	6.08	5.58	14.1	12.3	5.58	3.76	1.48	1.41	0.82
(WY)	(2002)	(2002)	(2002)	(2002)	(2007)	(2006)	(1995)	(1995)	(1997)	(1995)	(2001)	(2001)

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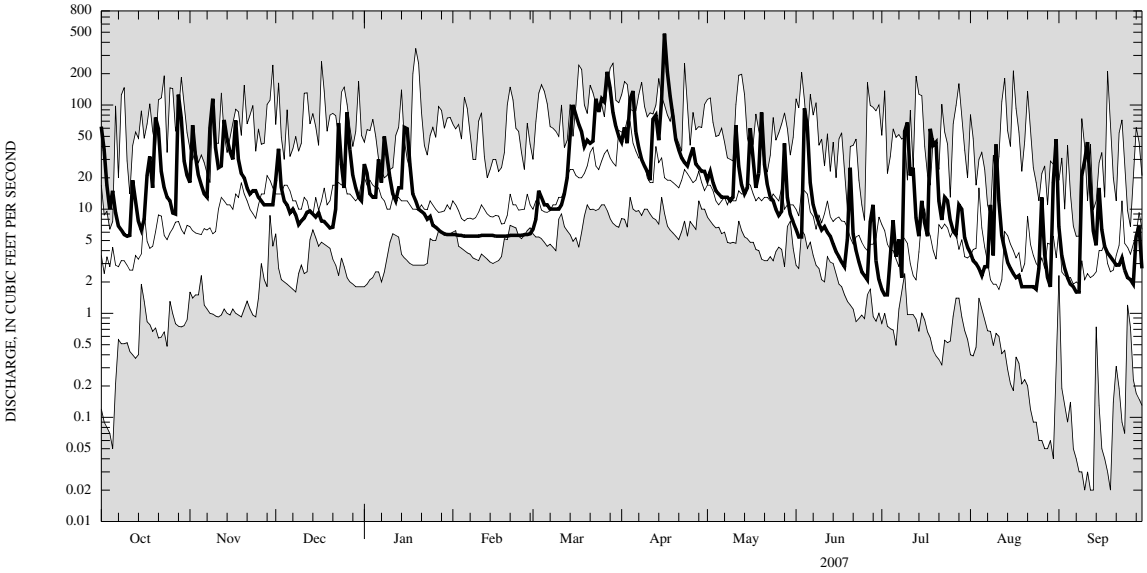
SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1993 - 2007	
Annual total	8,605.1		8,605.2			
Annual mean	23.6		23.6		19.3	
Highest annual mean					28.7	2004
Lowest annual mean					7.74	1995
Highest daily mean	252	Apr 23	484	Apr 16	484	Apr 16, 2007
Lowest daily mean	1.6	Aug 18	1.5	Jul 2	0.02	Sep 10, 2001
Annual seven-day minimum	2.3	Aug 13	1.9	Aug 18	0.03	Sep 7, 2001
Annual runoff (cfsm)	1.51		1.51		1.23	
Annual runoff (inches)	20.52		20.52		16.77	
10 percent exceeds	58		61		47	
50 percent exceeds	12		11		9.6	
90 percent exceeds	4.7		2.8		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.