01331095 HUDSON RIVER AT STILLWATER, NY

LOCATION.--Lat 42°56'08", long 73°39'08", Rensselaer County, Hydrologic Unit 02020003, on left bank at dam, 0.15 mi downstream from bridge on State Highway 67 in Stillwater, and 0.75 mi upstream from Hoosic River. Water-quality sampling site at bridge on State Highway 67, 0.15 mi upstream from discharge station.

DRAINAGE AREA.--3,773 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1932-33 and 1966-67 (discharge measurements only), March 1977 to current year. Daily discharge records prior to October 1981 are published with suspended-sediment data.

GAGE.--There is no gage, since September 1992. Discharge is estimated based on records for Hudson River at Fort Edward (01327750) and Batten Kill at Battenville (01329500). Prior to October 1992, water-stage recorder and crest-stage gage at datum of 78.99 ft above NGVD of 1929. Prior to January 1978, nonrecording gages in upper pool of Champlain (Barge) Canal lock 4, at Barge Canal datum.

REMARKS.--Records poor. Flow regulated appreciably by Great Sacandaga Lake (see station 01323500) and Indian Lake (see station 01314500). Diurnal fluctuation caused by powerplants upstream from station. Water is diverted into St. Lawrence River basin through Glens Falls feeder, Bond Creek, and Champlain (Barge) Canal, and occasionally may be received from that basin through summit level of Champlain (Barge) Canal at Dunham Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 44,100 ft^3/s, May 4, 1983; minimum daily discharge, 900 ft^3/s, July 25, 1983; maximum and minimum instantaneous discharges not determined.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, about 24,900 ft^3/s, May 25; minimum daily, about 2,800 ft^3/s, July 3; maximum and miniumum instantaneous discharges not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6,100	e13,300	e10,500	e13,500	e7,600	e6,000	e13,400	e5,300	e12,000	e3,100	e6,400	e10,000
2	e5,400	e11,500	e10,200	e12,800	e7,800	e6,500	e20,800	e5,300	e12,900	e2,900	e7,100	e7,900
3	e5,200	e11,000	e10,700	e13,100	e7,800	e7,600	e21,800	e5,000	e12,000	e2,800	e7,500	e9,200
4	e4,700	e11,100	e10,600	e12,700	e7,600	e8,000	e16,700	e6,000	e11,700	e2,900	e7,100	e8,500
5	e5,500	e11,100	e9,900	e12,900	e7,500	e8,000	e14,500	e6,100	e11,000	e3,100	e6,400	e7,000
6	e6,200	e11,000	e9,700	e12,600	e7,500	e9,100	e12,100	e5,400	e9,500	e3,200	e6,200	e6,200
7	e6,100	e10,400	e9,900	e11,600	e7,500	e10,600	e10,100	e4,800	e9,200	e3,000	e5,500	e6,000
8	e5,700	e10,100	e9,500	e11,000	e7,300	e9,800	e9,100	e4,200	e8,900	e3,500	e4,600	e5,700
9	e5,900	e9,400	e9,600	e10,300	e7,400	e8,300	e8,000	e4,200	e8,300	e3,900	e4,800	e6,300
10	e5,900	e9,300	e8,900	e9,800	e6,700	e8,300	e7,500	e4,000	e8,000	e3,900	e4,300	e8,700
11	e5,600	e9,900	e10,000	e9,600	e7,300	e8,300	e7,000	e4,300	e7,800	e3,500	e3,800	e8,700
12	e5,700	e10,000	e13,500	e9,600	e7,000	e8,300	e6,500	e4,500	e7,300	e3,700	e4,100	e8,300
13	e5,600	e9,600	e13,400	e9,400	e7,000	e8,100	e6,100	e4,400	e7,400	e3,400	e7,600	e8,000
14	e5,900	e8,800	e10,500	e9,200	e7,500	e7,800	e8,400	e6,500	e6,900	e3,300	e9,300	e8,800
15	e5,500	e9,800	e10,700	e9,200	e6,700	e7,700	e10,300	e6,400	e5,600	e4,100	e7,400	e8,500
16	e7,300	e9,600	e12,000	e9,100	e7,000	e7,600	e9,900	e5,000	e4,600	e4,700	e7,200	e8,000
17	e8,500	e8,800	e11,800	e9,000	e7,000	e7,600	e9,100	e4,400	e3,300	e4,700	e8,000	e6,700
18	e9,300	e8,500	e14,300	e8,900	e7,200	e7,800	e8,300	e3,900	e3,600	e4,100	e7,100	e8,600
19	e7,100	e9,400	e14,600	e9,000	e6,900	e7,600	e8,600	e3,900	e3,500	e4,200	e5,700	e10,600
20	e7,200	e14,100	e12,700	e8,700	e7,300	e7,600	e9,200	e4,000	e3,600	e4,400	e5,600	e8,600
21	e7,300	e17,300	e11,600	e8,600	e6,800	e7,700	e9,200	e3,700	e3,400	e4,800	e6,600	e9,100
22	e6,600	e14,300	e10,900	e8,400	e6,500	e7,600	e8,500	e3,800	e3,300	e4,700	e9,500	e8,800
23	e7,600	e11,700	e10,200	e8,300	e6,300	e7,400	e7,900	e4,700	e3,500	e4,200	e8,700	e8,300
24	e7,500	e10,500	e12,000	e8,200	e6,100	e5,300	e7,200	e14,100	e3,200	e4,800	e8,600	e7,800
25	e7,100	e9,100	e20,700	e8,200	e6,300	e4,300	e6,800	e24,900	e3,100	e4,800	e8,500	e7,500
26	e7,000	e9,800	e23,400	e8,100	e6,200	e4,600	e6,900	e20,500	e2,900	e4,400	e8,000	e6,200
27	e8,100	e9,700	e24,000	e8,000	e6,100	e6,700	e7,800	e16,200	e3,100	e4,700	e7,600	e5,200
28	e16,500	e11,600	e21,400	e7,800	e6,100	e10,100	e7,100	e15,600	e3,000	e6,800	e7,500	e4,800
29	e20,300	e11,500	e18,300	e7,900	e6,000	e12,200	e6,500	e13,700	e3,100	e7,200	e6,700	e4,100
30	e20,300	e11,100	e12,600	e7,800	---	e12,400	e5,800	e12,400	e3,200	e7,200	e6,700	e4,000
31	e15,700	---	e13,600	e7,800	---	e12,200	---	e12,700	---	e6,400	e8,400	---
TOTAL	248,400	323,300	401,700	301,100	202,000	251,100	291,100	239,900	188,900	132,400	212,500	226,100
MEAN	8,013	10,780	12,960	9,713	6,966	8,100	9,703	7,739	6,297	4,271	6,855	7,537
MAX	20,300	17,300	24,000	13,500	7,800	12,400	21,800	24,900	12,900	7,200	9,500	10,600
MIN	4,700	8,500	8,900	7,800	6,000	4,300	5,800	3,700	2,900	2,800	3,800	4,000

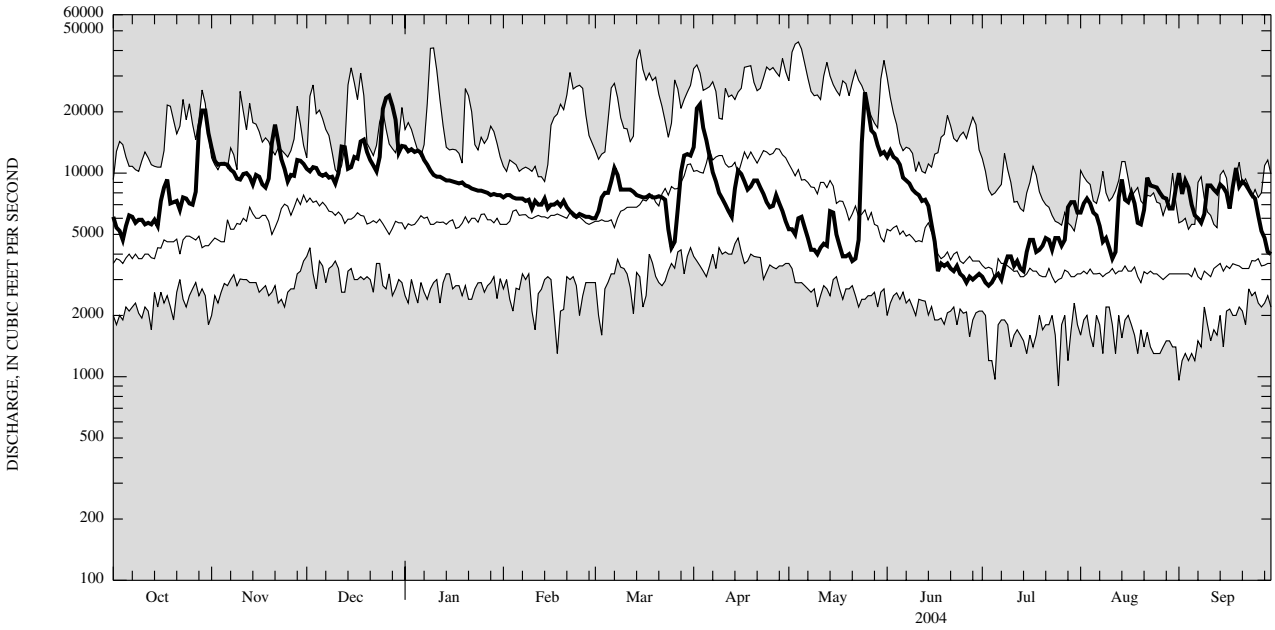
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2004, BY WATER YEAR (WY)

MEAN	5,155	6,845	7,110	6,747	6,565	8,431	12,740	9,397	5,492	3,631	3,686	3,847
MAX	12,060	11,880	13,820	12,540	11,760	14,610	21,760	19,960	9,787	5,716	6,855	7,537
(WY)	(1978)	(1996)	(1997)	(1998)	(1981)	(1979)	(1993)	(1983)	(1998)	(1996)	(2004)	(2004)
MIN	2,452	2,893	3,558	3,041	2,751	4,735	3,987	2,790	2,380	2,042	2,206	2,477
(WY)	(2002)	(2002)	(1999)	(1981)	(1980)	(1989)	(1995)	(1995)	(1995)	(1995)	(1999)	(2001)

01331095 HUDSON RIVER AT STILLWATER, NY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977 - 2004	
ANNUAL TOTAL	2,806,200		3,018,500			
ANNUAL MEAN	7,688		8,247		6,604	
HIGHEST ANNUAL MEAN					8,808	1996
LOWEST ANNUAL MEAN					4,344	1995
HIGHEST DAILY MEAN	24,000	Dec 27	24,900	May 25	44,100	May 4, 1983
LOWEST DAILY MEAN	2,600	Jul 15	2,800	Jul 3	900	Jul 25, 1983
ANNUAL SEVEN-DAY MINIMUM	2,900	Jul 2	3,000	Jun 28	1,390	Aug 23, 1995
10 PERCENT EXCEEDS	13,900		12,700		12,000	
50 PERCENT EXCEEDS	6,600		7,700		5,190	
90 PERCENT EXCEEDS	3,300		4,070		2,800	

e Estimated



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.