01350355 SCHOHARIE CREEK AT BREAKABEEN, NY

LOCATION.--Lat 42°32'13", long 74°24'39", Schoharie County, Hydrologic Unit 02020005, on left bank 100 ft downstream from bridge on State Highway 30, 0.9 mi north of Breakabeen, and 1.1 mi downstream from Keyser Kill.

DRAINAGE AREA.--444 mi^2.

PERIOD OF RECORD.--July 1975 to current year.

REVISED RECORDS.--WDR NY-81-1: 1980(M). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 686.79 ft above NGVD of 1929 (Soil Conservation Service Benchmark).

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Regulation of flow by Blenheim-Gilboa Pumped Storage Project. Entire flow, runoff from 315 mi^2, except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. For periods of spill see station 01350101. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,200 ft^3/s, Jan. 19, 1996, gage height, 20.51 ft, outside gage height was 20.96 ft, from floodmarks, from rating curve extended above 20,000 ft^3/s on basis of contracted-opening and flow-over-road measurement of peak flow at gage height about 19.5 ft; minimum discharge, 1.7 ft^3/s, Oct. 14, 1980; minimum gage height, 0.25 ft, Sept. 26, 1985.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,500 ft^3/s, Sept. 18, gage height, 14.02 ft, outside gage height was 14.32 ft, from crest-stage gage; minimum discharge, 26 ft^3/s, July 5, gage height, 1.78 ft.

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	2,110	2,690	2,150	1,290	e74	e80	2,350	932	1,130	97	144	181
2	1,430	2,100	1,720	1,250	e66	244	6,310	908	1,130	35	112	120
3	1,160	1,850	1,220	1,350	e80	1,540	3,090	1,370	1,160	31	95	60
4	746	1,490	1,170	1,840	e140	1,700	2,220	1,160	782	28	83	50
5	1,060	1,300	1,070	1,800	e130	2,250	1,790	1,080	275	30	94	45
6	1,090	1,460	1,050	1,520	e100	4,800	1,350	888	190	45	78	42
7	836	1,130	943	964	e82	3,740	1,190	786	338	34	69	40
8	853	1,020	830	803	e120	2,430	1,050	698	449	36	60	40
9	519	785	753	e700	e100	1,750	943	636	438	55	51	482
10	498	746	805	e620	e80	1,280	807	665	733	45	45	3,070
11	449	775	7,280	e740	e60	1,300	684	609	227	31	42	1,040
12	348	694	7,690	e740	e84	1,300	684	612	115	28	63	581
13	269	716	3,270	e640	e66	980	1,360	548	86	28	415	433
14	292	699	2,170	e480	e46	790	2,300	603	74	33	311	349
15	1,380	516	1,960	e340	e43	835	1,660	469	69	74	1,210	278
16	1,190	453	1,660	e360	e48	787	1,340	555	61	53	3,620	243
17	726	533	2,100	e370	e54	691	988	468	58	52	2,990	173
18	583	490	3,160	e360	e50	648	979	398	63	47	1,610	19,800
19	474	837	2,030	e300	e49	536	1,280	516	58	46	1,120	8,860
20	604	9,470	1,590	e250	e48	474	1,070	403	50	150	1,020	5,070
21	583	5,640	1,270	e260	e47	809	880	367	44	92	2,250	2,790
22	538	2,830	1,190	e230	e46	637	749	340	41	59	1,780	1,590
23	429	2,200	1,280	e170	e45	480	1,030	366	42	61	1,180	1,160
24	435	2,000	6,080	e180	e42	614	1,320	571	37	62	826	868
25	339	2,060	9,810	e110	e43	887	981	1,300	35	50	590	757
26	331	1,610	6,310	e100	e44	1,270	2,050	1,460	52	43	365	755
27	3,970	1,350	3,430	e140	e45	2,220	2,050	3,430	45	964	274	671
28	8,990	1,500	2,160	e94	e46	2,270	1,510	1,940	37	1,130	193	1,740
29	10,300	4,800	1,770	e120	e50	1,970	1,190	1,330	67	462	165	4,140
30	6,980	2,810	1,790	e110	---	1,590	1,050	1,050	121	244	144	2,200
31	3,750	---	1,590	e74	---	1,420	---	789	---	203	129	---
TOTAL	53,262	56,554	81,301	18,305	1,928	42,322	46,255	27,247	8,007	4,348	21,128	57,628
MEAN	1,718	1,885	2,623	590	66.5	1,365	1,542	879	267	140	682	1,921
MAX	10,300	9,470	9,810	1,840	140	4,800	6,310	3,430	1,160	1,130	3,620	19,800
MIN	269	453	753	74	42	80	684	340	35	28	42	40

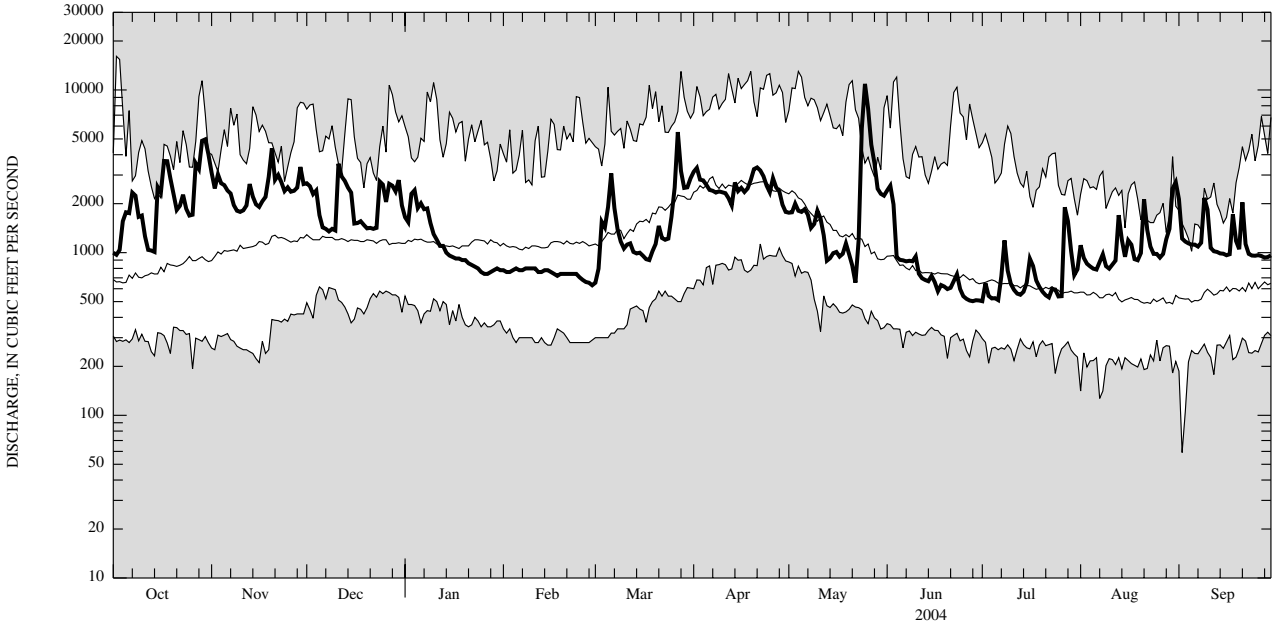
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2004, BY WATER YEAR (WY)

MEAN	344	496	495	511	465	1,243	1,719	848	382	108	70.8	195
MAX	1,973	1,909	2,623	3,311	1,698	3,354	4,522	2,206	1,990	1,145	682	1,921
(WY)	(1978)	(1978)	(2004)	(1996)	(1976)	(1979)	(1987)	(1996)	(2000)	(1996)	(2004)	(2004)
MIN	10.8	12.3	17.4	18.8	59.1	164	141	63.6	18.6	14.0	9.83	9.54
(WY)	(1983)	(1999)	(1999)	(1981)	(1992)	(1989)	(1981)	(1995)	(1991)	(1993)	(1980)	(2001)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1975 - 2004	
ANNUAL TOTAL	484,113		418,285			
ANNUAL MEAN	1,326		1,143		573	
HIGHEST ANNUAL MEAN					1,152	1996
LOWEST ANNUAL MEAN					89.9	1985
HIGHEST DAILY MEAN	10,300	Oct 29	19,800	Sep 18	31,600	Jan 19, 1996
LOWEST DAILY MEAN	22	Jul 31	28	Jul 4	5.8	Sep 13, 1980
ANNUAL SEVEN-DAY MINIMUM	30	Jul 25	34	Jul 2	6.3	Sep 11, 1980
10 PERCENT EXCEEDS	3,330		2,260		1,560	
50 PERCENT EXCEEDS	705		678		105	
90 PERCENT EXCEEDS	70		47		14	

e Estimated

01350355 SCHOHARIE CREEK AT BREAKABEEN, NY—Continued



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.