

**01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY**

Upper Hudson Basin  
Schoharie Subbasin

LOCATION.--Lat 42°27'57", long 74°27'45" referenced to North American Datum of 1927, Schoharie County, NY, Hydrologic Unit 02020005, on left bank 2,300 ft upstream from West Kill, and 1.2 mi upstream from bridge on State Highway 30 in North Blenheim.

DRAINAGE AREA.--358 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.-- Occasional measurements, water years 1969-70. October 1970 to current year (January 20 to September 30, 1996, discharges only for days of mean flow less than or equal to 400 ft<sup>3</sup>/s).

REVISED RECORDS.--WDR NY-87-1: 1984(M). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 800 ft above NGVD of 1929, from topographic map. Prior to Oct. 1, 1971, at datum 1.00 ft higher.

COOPERATION.--Records of flow greater than 6,000 ft<sup>3</sup>/s provided by the New York Power Authority.

REMARKS.--Records fair. Regulation of flow by New York Power Authority Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 315 mi<sup>2</sup>, 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 days of reservoir outflow greater than 10 ft<sup>3</sup>/s, see station 01350101. From January 19, 1996, through September 30, 1998, if flow was greater than about 400 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From October 1, 1998, through September 30, 2000, if flow was greater than about 2,000 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From October 1, 2000, through September 30, 2006, if flow was greater than about 5,000 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. Since October 1, 2006, if flow is greater than about 6,000 ft<sup>3</sup>/s, undetermined amounts of flow bypass the gage. Since October 1996, records for periods when flows bypass the gage are furnished by the New York Power Authority. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 75,600 ft<sup>3</sup>/s, Jan. 19, 1996, gage height, 17.16 ft, outside gage height was 17.61 ft, from floodmark, from rating curve extended above 12,000 ft<sup>3</sup>/s on basis of computation of peak flow through radial gates at gage heights 13.34 ft, 14.72 ft, and 16.70 ft from floodmarks; minimum, no flow, Oct. 12, 15, Oct. 16 to Nov. 1, Nov. 2, 1972, Sept. 12, 13, 14, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,800 ft<sup>3</sup>/s, Apr. 16, from New York Power Authority, gage height, 12.09 ft; minimum discharge, 6.8 ft<sup>3</sup>/s, June 27, 28, 29, gage height, 0.88 ft.

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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	45	69	18	19	109	22	1,390	908	23	11	12	12
2	45	77	18	40	55	26	1,190	1,030	16	9.6	13	12
3	47	96	19	56	48	93	1,280	687	15	9.5	14	11
4	41	58	39	44	55	86	1,330	643	356	10	13	12
5	34	49	44	43	56	68	1,580	589	1,610	9.8	12	12
6	18	26	28	76	39	40	1,380	664	1,040	10	11	12
7	9.1	8.1	17	79	34	37	939	516	609	9.5	12	13
8	11	15	17	537	29	294	829	369	509	9.4	12	13
9	32	16	17	1,440	26	762	780	130	407	9.8	13	14
10	33	11	23	1,130	22	713	643	62	376	10	17	12
11	29	10	45	865	23	674	667	720	275	11	14	16
12	16	9.6	59	748	22	725	727	693	200	11	13	13
13	14	9.6	55	882	21	771	754	615	275	10	13	12
14	25	10	56	877	e21	972	684	492	92	10	13	12
15	25	13	34	1,340	e20	2,130	869	333	59	10	13	322
16	24	154	20	1,930	e20	3,830	13,200	303	25	13	13	358
17	19	2,790	20	1,360	e20	2,060	10,500	324	13	11	14	394
18	11	2,280	49	964	e20	1,600	6,900	218	12	13	13	404
19	10	1,130	79	835	e19	1,200	5,600	190	11	11	12	411
20	46	737	83	857	22	871	4,950	354	11	20	11	318
21	132	449	84	614	20	756	4,450	489	13	11	11	68
22	34	433	74	572	19	1,140	3,930	361	13	10	11	12
23	18	314	65	565	21	3,230	3,300	258	e13	11	11	25
24	49	329	52	513	23	3,020	3,470	170	e12	46	12	14
25	32	380	48	508	22	3,900	2,490	98	e12	58	13	22
26	35	307	51	389	21	2,900	2,180	131	11	40	13	32
27	35	231	64	248	21	3,910	1,660	98	7.7	16	13	17
28	235	41	46	159	20	4,830	1,470	61	7.2	9.0	13	9.3
29	182	31	36	302	---	3,710	1,150	71	8.0	8.2	13	8.5
30	100	17	19	247	---	2,210	1,200	68	11	10	13	8.4
31	100	---	19	132	---	1,600	---	36	---	12	13	---
<b>Total</b>	1,486.1	10,100.3	1,298	18,371	848	48,180	81,492	11,681	6,041.9	449.8	394	2,599.2
<b>Mean</b>	47.9	337	41.9	593	30.3	1,554	2,716	377	201	14.5	12.7	86.6
<b>Max</b>	235	2,790	84	1,930	109	4,830	13,200	1,030	1,610	58	17	411
<b>Min</b>	9.1	8.1	17	19	19	22	643	36	7.2	8.2	11	8.4

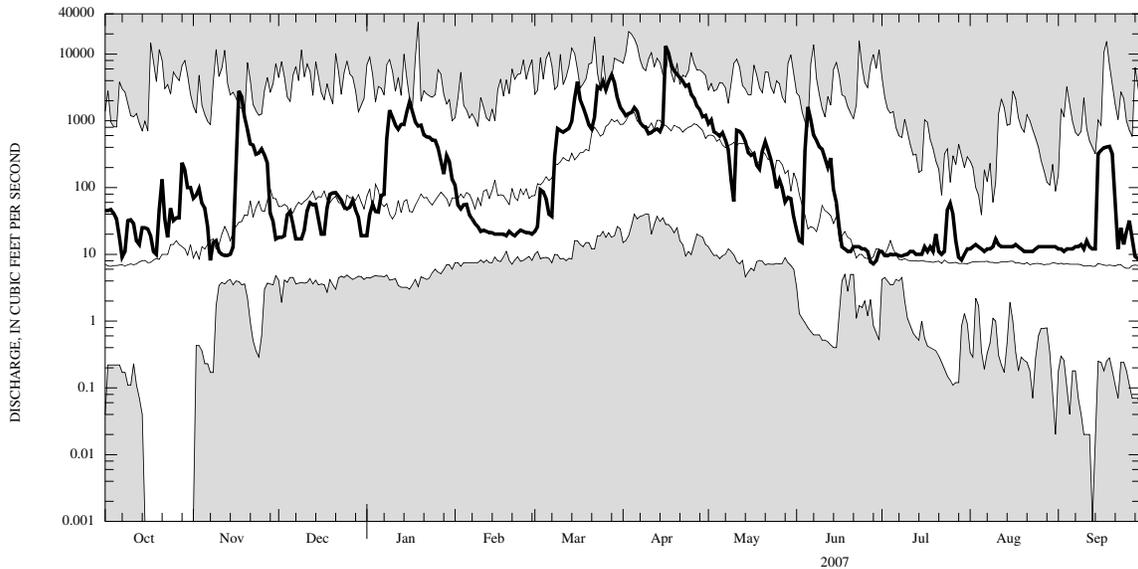
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	222	318	405	378	326	882	1,365	629	320	61.7	34.1	116
<b>Max</b>	1,474	1,511	1,977	1,610	1,468	2,532	3,685	1,599	1,561	452	447	1,442
<b>(WY)</b>	(1978)	(1978)	(2004)	(1979)	(1976)	(1979)	(1987)	(1984)	(1972)	(1973)	(2004)	(2004)
<b>Min</b>	0.15	3.85	4.35	5.23	15.5	47.6	42.9	16.8	8.26	6.83	1.53	0.25
<b>(WY)</b>	(1973)	(1999)	(1999)	(2002)	(1987)	(1989)	(1981)	(1995)	(1999)	(1977)	(1973)	(1973)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1971 - 2007	
<b>Annual total</b>	104,111.3		182,941.3			
<b>Annual mean</b>	285		501		419	
<b>Highest annual mean</b>					834	1978
<b>Lowest annual mean</b>					21.7	1985
<b>Highest daily mean</b>	9,880	Jun 28	13,200	Apr 16	29,900	Jan 19, 1996
<b>Lowest daily mean</b>	8.1	Nov 7	7.2	Jun 28	0.00	Oct 15, 1972
<b>Annual seven-day minimum</b>	11	Aug 1	9.1	Jun 27	0.00	Oct 15, 1972
<b>10 percent exceeds</b>	543		1,330		1,130	
<b>50 percent exceeds</b>	44		44		35	
<b>90 percent exceeds</b>	13		11		5.2	



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