

**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. Datum of gage is 794.42 ft above NGVD of 1929. Prior to Oct. 1, 1971, at datum 1.00 ft higher.

COOPERATION.--Records of flow provided by the New York Power Authority as explained in REMARKS.

REMARKS.--No estimated daily discharges. 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. From October 1, 2006, through August 27, 2011, if flow was greater than about 6,000 ft<sup>3</sup>/s, undetermined amounts of flow bypass the gage. Since August 28, 2011, 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, 119,000 ft<sup>3</sup>/s, Aug. 28, 2011, from New York Power Authority, gage height, 22.00 ft, outside gage height was 22.34 ft, from floodmark; 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, 119,000 ft<sup>3</sup>/s, Aug. 28, from New York Power Authority, gage height, 22.00 ft, outside gage height was 22.34 ft, from floodmark; minimum discharge, 10 ft<sup>3</sup>/s, Aug. 3, 13, gage height, 0.90 ft.

REVISIONS.--The maximum discharge for the water year 2010 has been revised to 30,000 ft<sup>3</sup>/s, Mar. 23, 2010, from New York Power Authority, gage height, 12.49 ft. This supersedes figure published in WDR NY-10-1.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,260	726	4,520	675	112	575	600	1,850	484	496	13	2,120
2	5,550	728	7,580	671	87	554	481	1,320	464	355	13	1,490
3	2,730	643	2,960	811	96	e486	560	1,270	332	824	11	974
4	1,620	723	1,870	567	e97	e477	682	1,740	51	2,380	11	866
5	1,920	848	1,340	620	96	588	1,670	2,260	20	1,520	11	1,730
6	2,320	762	1,100	640	159	1,690	2,360	1,500	20	935	12	4,540
7	2,510	701	986	609	155	e4,150	1,730	1,220	17	697	12	12,600
8	2,030	761	801	585	102	e3,050	1,300	1,050	15	515	12	12,800
9	1,320	798	e784	596	94	1,890	1,180	930	17	525	11	7,640
10	1,060	715	645	562	e142	2,110	1,110	775	20	355	12	3,580
11	687	766	720	627	e160	8,620	1,230	703	25	333	13	2,020
12	779	831	698	587	119	5,960	2,060	565	47	439	12	1,450
13	564	681	2,720	572	123	4,700	1,960	564	64	636	10	1,470
14	560	721	2,210	548	117	2,820	2,080	493	57	362	12	1,100
15	744	708	1,360	e521	147	2,020	1,400	557	37	396	15	1,060
16	2,130	780	1,100	499	166	1,780	1,110	569	36	381	87	948
17	1,500	788	866	e547	175	2,200	4,320	1,340	37	327	47	844
18	1,080	1,250	769	522	206	3,180	3,550	2,190	36	229	21	771
19	842	1,350	753	438	374	4,030	2,220	6,870	23	33	16	744
20	689	887	675	492	259	2,520	2,070	4,900	21	26	245	848
21	909	865	701	492	272	1,930	1,850	3,300	14	25	501	883
22	774	817	634	418	203	1,890	1,440	2,210	45	16	516	e720
23	668	687	653	307	210	1,360	1,420	1,610	176	12	493	e667
24	732	727	750	e400	194	1,270	1,550	1,360	93	12	504	e661
25	676	707	630	372	320	984	1,420	1,140	169	15	347	e630
26	802	784	766	153	543	832	2,090	945	56	13	120	649
27	869	723	594	116	557	709	2,520	882	24	12	247	819
28	706	788	636	193	537	631	3,160	901	28	12	46,600	1,620
29	711	711	660	162	---	618	3,570	646	293	13	11,200	6,340
30	662	781	584	138	---	556	2,380	587	774	13	5,690	5,080
31	755	---	585	210	---	586	---	507	---	12	3,620	---
<b>Total</b>	43,159	23,757	41,650	14,650	5,822	64,766	55,073	46,754	3,495	11,919	70,434	77,664
<b>Mean</b>	1,392	792	1,344	473	208	2,089	1,836	1,508	116	384	2,272	2,589
<b>Max</b>	5,550	1,350	7,580	811	557	8,620	4,320	6,870	774	2,380	46,600	12,800
<b>Min</b>	560	643	584	116	87	477	481	493	14	12	10	630

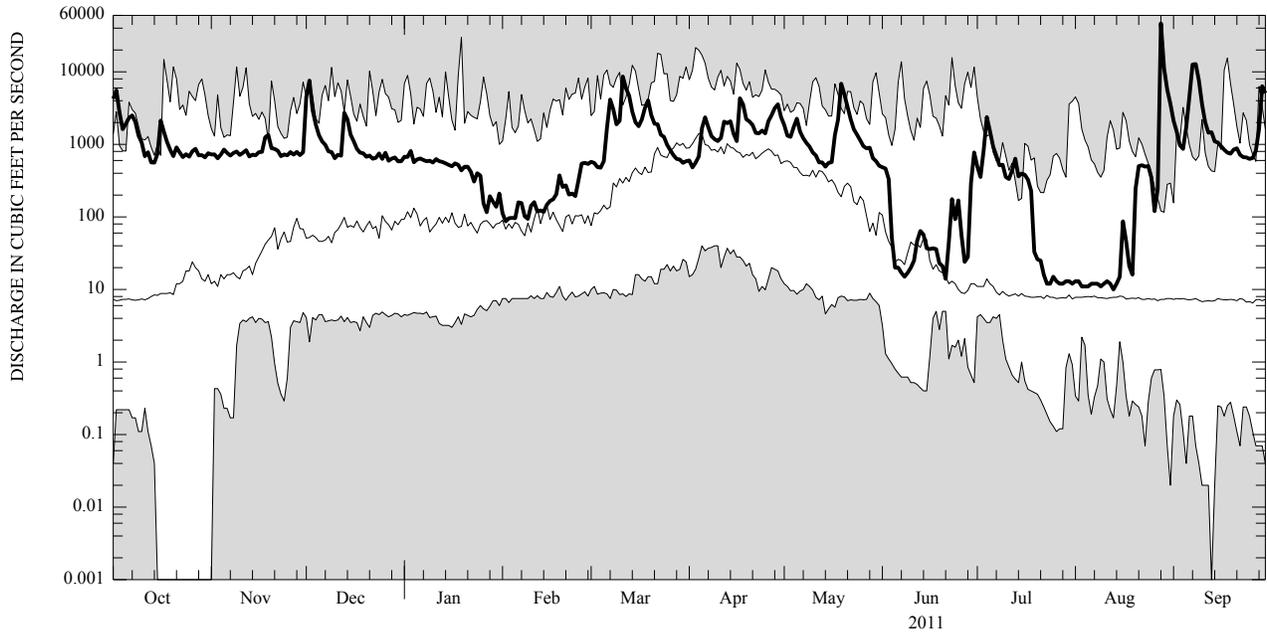
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2011, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	236	330	450	408	356	995	1,348	612	311	82.4	101	174
<b>Max</b>	1,474	1,511	1,977	1,610	1,474	3,232	3,685	1,599	1,561	631	2,272	2,589
<b>(WY)</b>	(1978)	(1978)	(2004)	(1979)	(2008)	(2010)	(1987)	(1984)	(1972)	(2009)	(2011)	(2011)
<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 2010		Water Year 2011		Water Years 1971 - 2011	
<b>Annual total</b>	305,038.5		459,143			
<b>Annual mean</b>	836		1,258		449	
<b>Highest annual mean</b>					1,258	2011
<b>Lowest annual mean</b>					21.7	1985
<b>Highest daily mean</b>	17,400	Mar 23	46,600	Aug 28	46,600	Aug 28, 2011
<b>Lowest daily mean</b>	8.9	Aug 21	10	Aug 13	0.00	Oct 15, 1972
<b>Annual seven-day minimum</b>	9.3	Sep 8	11	Aug 3	0.00	Oct 15, 1972
<b>10 percent exceeds</b>	2,110		2,430		1,180	
<b>50 percent exceeds</b>	388		687		40	
<b>90 percent exceeds</b>	11		24		5.5	



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