

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°27'57", long 74°27'44" referenced to North American Datum of 1983, 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 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional discharge 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 ft³/s).

REVISED RECORDS.--WDR NY-87-1: 1984(M). WDR NY-90-1: Drainage area. WDR-US-2011: 2010(M).

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 mi², 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 ft³/s, see station 01350101. From Jan. 19, 1996, through Sept. 30, 1998, if flow was greater than about 400 ft³/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 1998, through Sept. 30, 2000, if flow was greater than about 2,000 ft³/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 2000, through Sept. 30, 2006, if flow was greater than about 5,000 ft³/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 2006, through Aug. 27, 2011, if flow was greater than about 6,000 ft³/s, undetermined amounts of flow bypassed the gage. Since Aug. 28, 2011, if flow is greater than about 30 ft³/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, 119,000 ft³/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, 4,210 ft³/s, Dec. 8, from New York Power Authority, gage height, 5.98; minimum discharge, 3.1 ft³/s, Sept. 4, 5, 6, gage height, 0.80 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,440	801	1,330	1,410	890	275	21	545	385	9.0	8.0	3.9
2	2,100	824	595	1,310	909	269	15	507	229	8.9	7.2	3.7
3	2,240	852	16	1,260	885	192	15	410	37	8.8	6.7	3.4
4	1,660	914	1,600	1,220	844	307	15	371	196	8.7	6.4	3.2
5	1,290	851	2,880	1,230	832	251	14	250	385	8.5	6.3	3.3
6	1,120	772	2,030	1,130	854	224	14	77	342	8.1	6.2	3.3
7	960	701	2,000	898	815	260	14	19	446	8.3	6.3	3.4
8	865	670	3,980	809	794	319	14	21	365	8.0	6.4	3.8
9	767	599	3,500	579	664	457	14	106	329	7.7	6.7	3.6
10	777	506	1,780	95	429	272	14	278	297	7.4	7.0	3.4
11	805	695	1,390	430	430	313	14	274	129	7.2	6.8	3.4
12	744	688	1,110	318	401	309	16	65	74	8.4	6.8	4.0
13	746	658	1,110	858	417	565	16	27	53	7.8	7.1	4.3
14	902	693	867	881	386	650	16	27	83	7.6	7.6	3.9
15	2,500	514	981	809	395	662	15	495	269	7.5	7.5	3.7
16	1,700	503	1,170	823	411	557	14	1,560	78	7.9	6.7	3.5
17	1,080	517	1,010	772	302	684	14	472	67	7.7	6.6	3.4
18	1,000	530	844	806	227	620	15	179	58	6.9	6.4	5.9
19	864	532	406	842	213	643	15	126	17	6.3	6.2	4.7
20	1,270	376	475	755	209	672	14	93	12	6.7	6.0	3.8
21	1,500	449	501	758	237	630	14	204	11	7.4	5.1	3.6
22	1,120	427	579	726	219	630	15	255	11	7.6	4.7	3.6
23	1,030	1,270	646	695	213	852	330	941	11	8.0	4.6	3.6
24	830	2,170	1,520	780	209	824	2,210	832	10	7.9	4.6	3.5
25	766	1,550	1,420	732	308	747	1,930	786	9.6	7.8	4.7	3.7
26	728	1,140	1,330	747	139	667	1,350	709	9.3	8.0	4.6	4.2
27	865	1,040	623	1,250	216	278	923	558	9.0	8.2	4.0	4.6
28	971	403	916	860	228	74	848	556	8.9	9.3	4.0	9.0
29	884	17	1,020	746	235	34	761	485	9.0	9.6	3.5	13
30	868	734	902	743	---	31	712	508	9.1	8.6	3.5	8.1
31	798	---	1,640	816	---	29	---	445	---	8.2	3.9	---
Total	36,190	22,396	40,171	26,088	13,311	13,297	9,392	12,181	3,948.9	248.0	182.1	132.5
Mean	1,167	747	1,296	842	459	429	313	393	132	8.00	5.87	4.42
Max	2,500	2,170	3,980	1,410	909	852	2,210	1,560	446	9.6	8.0	13
Min	728	17	16	95	139	29	14	19	8.9	6.3	3.5	3.2

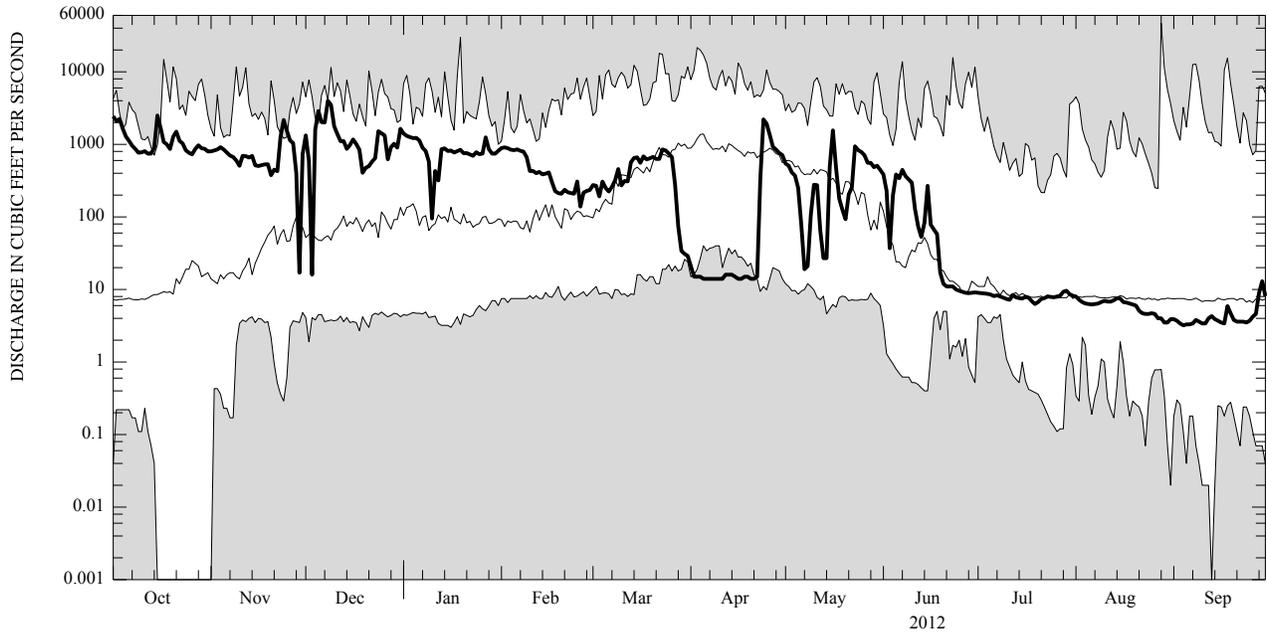
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	258	340	470	418	359	981	1,323	607	307	80.6	98.6	170
Max	1,474	1,511	1,977	1,610	1,474	3,232	3,685	1,599	1,561	631	2,272	2,589
(WY)	(1978)	(1978)	(2004)	(1979)	(2008)	(2010)	(1987)	(1984)	(1972)	(2009)	(2011)	(2011)
Min	0.15	3.85	4.35	5.23	15.5	47.6	42.9	16.8	8.26	6.83	1.53	0.25
(WY)	(1973)	(1999)	(1999)	(2002)	(1987)	(1989)	(1981)	(1995)	(1999)	(1977)	(1973)	(1973)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1971 - 2012	
Annual total	449,334		177,537.5			
Annual mean	1,231		485		450	
Highest annual mean					1,258	2011
Lowest annual mean					21.7	1985
Highest daily mean	46,600	Aug 28	3,980	Dec 8	46,600	Aug 28, 2011
Lowest daily mean	10	Aug 13	3.2	Sep 4	0.00	Oct 15, 1972
Annual seven-day minimum	11	Aug 3	3.4	Sep 3	0.00	Oct 15, 1972
10 percent exceeds	2,300		1,150		1,180	
50 percent exceeds	667		311		41	
90 percent exceeds	21		5.0		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.