

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 mi².

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 ft³/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 ft³/s provided by the New York Power Authority.

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 January 19, 1996, through September 30, 1998, if flow was greater than about 400 ft³/s, undetermined amounts of flow bypassed the gage. From October 1, 1998, through September 30, 2000, if flow was greater than about 2,000 ft³/s, undetermined amounts of flow bypassed the gage. From October 1, 2000, through September 30, 2006, if flow was greater than about 5,000 ft³/s, undetermined amounts of flow bypassed the gage. Since October 1, 2006, if flow is greater than about 6,000 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, 75,600 ft³/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 ft³/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, 5,630 ft³/s, June 21, gage height, 7.66 ft; minimum discharge, 6.1 ft³/s, Sept. 10, gage height, 0.90 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	16	52	910	22	36	565	12	361	905	4,520	126
2	14	773	83	769	19	50	407	12	256	861	3,640	74
3	14	494	43	810	17	50	364	12	176	909	1,630	40
4	14	1,340	39	682	20	42	1,300	12	180	811	1,150	27
5	14	1,250	57	628	26	40	1,090	12	112	592	922	19
6	11	1,350	47	544	22	39	805	12	15	468	613	18
7	11	1,320	52	459	26	69	842	13	13	269	538	17
8	11	1,950	53	576	190	976	644	16	14	215	412	12
9	11	1,370	22	426	258	3,000	666	16	13	226	353	8.9
10	11	796	41	269	503	2,920	464	15	12	136	436	6.7
11	11	753	103	200	587	1,800	564	12	11	94	311	25
12	11	691	2,180	238	680	1,420	620	12	12	552	274	386
13	11	552	2,830	187	977	1,050	492	12	14	288	160	431
14	11	513	1,510	131	844	768	406	12	52	141	93	420
15	8.1	560	1,490	204	684	662	303	30	62	78	92	388
16	8.6	1,140	1,590	156	513	626	193	34	185	92	58	379
17	8.4	986	1,250	95	436	576	115	33	349	193	30	378
18	8.3	776	1,100	39	460	528	60	31	735	606	17	251
19	8.4	448	940	35	453	409	28	18	1,800	651	41	20
20	8.4	238	793	35	421	730	23	12	1,250	266	48	13
21	8.4	174	701	36	524	448	33	16	4,700	217	62	7.7
22	8.4	27	638	40	427	330	40	21	3,490	216	154	7.6
23	8.4	22	476	50	455	279	63	75	1,950	188	357	11
24	8.4	20	935	54	422	319	68	148	1,280	180	388	13
25	14	22	2,660	73	359	176	37	192	1,160	688	230	13
26	68	47	1,790	64	470	197	26	205	1,000	750	181	13
27	44	56	1,620	38	614	248	24	274	1,320	645	101	14
28	77	36	3,100	28	336	204	24	358	1,160	440	55	32
29	112	32	2,990	24	---	179	23	536	870	353	116	34
30	88	32	2,010	23	---	243	14	602	712	3,590	281	13
31	69	---	1,420	25	---	628	---	354	---	3,930	292	---
Total	725.8	17,784	32,615	7,848	10,765	19,042	10,303	3,119	23,264	19,550	17,555	3,197.9
Mean	23.4	593	1,052	253	384	614	343	101	775	631	566	107
Max	112	1,950	3,100	910	977	3,000	1,300	602	4,700	3,930	4,520	431
Min	8.1	16	22	23	17	36	14	12	11	78	17	6.7

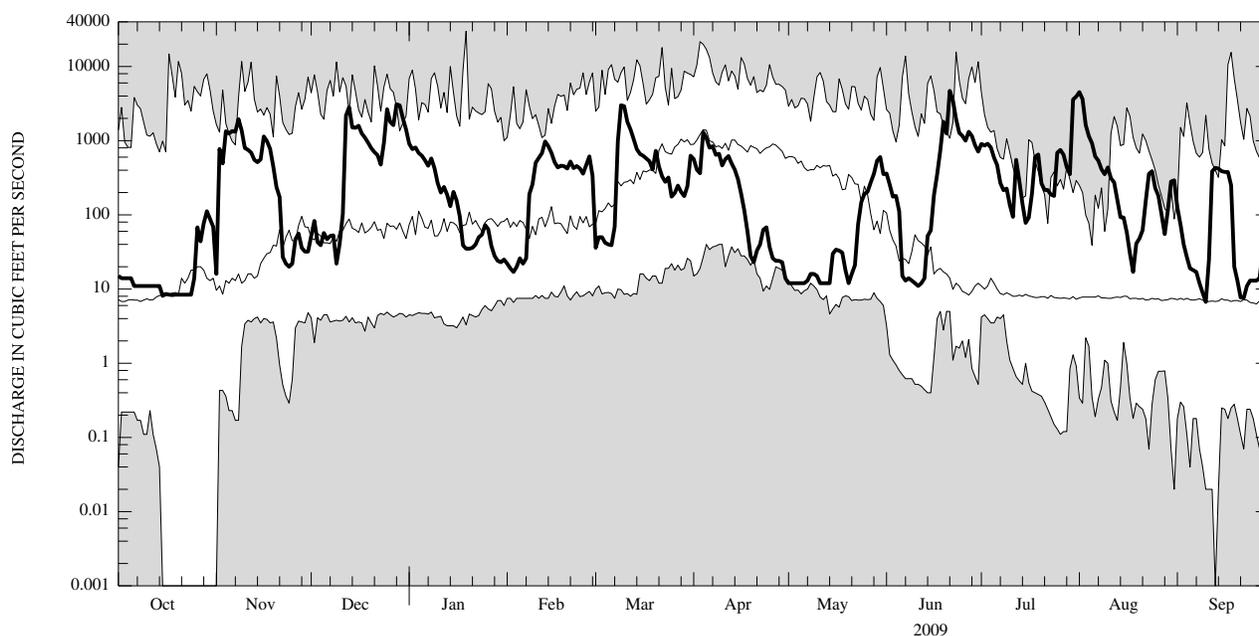
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	212	317	421	391	358	907	1,328	602	324	76.2	47.2	115
Max	1,474	1,511	1,977	1,610	1,474	2,532	3,685	1,599	1,561	631	566	1,442
(WY)	(1978)	(1978)	(2004)	(1979)	(2008)	(1979)	(1987)	(1984)	(1972)	(2009)	(2009)	(2004)
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 2008		Water Year 2009		Water Years 1971 - 2009	
Annual total	228,649.2		165,768.7			
Annual mean	625		454		423	
Highest annual mean					834	1978
Lowest annual mean					21.7	1985
Highest daily mean	9,120	Mar 5	4,700	Jun 21	29,900	Jan 19, 1996
Lowest daily mean	7.4	Sep 25	6.7	Sep 10	0.00	Oct 15, 1972
Annual seven-day minimum	8.4	Oct 15	8.4	Oct 15	0.00	Oct 15, 1972
10 percent exceeds	1,660		1,200		1,140	
50 percent exceeds	114		188		36	
90 percent exceeds	11		12		5.3	



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.