

**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 mi<sup>2</sup>.

**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 ft<sup>3</sup>/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.--Records fair except those for estimated daily discharges, which are poor. 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 Jan. 19, 1996, through Sept. 30, 1998, if flow was greater than about 400 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 1998, through Sept. 30, 2000, if flow was greater than about 2,000 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 2000, through Sept. 30, 2006, if flow was greater than about 5,000 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From Oct. 1, 2006, through Aug. 27, 2011, if flow was greater than about 6,000 ft<sup>3</sup>/s, undetermined amounts of flow bypassed the gage. From Aug. 28, 2011, through Sept. 30, 2012, if flow was greater than about 30 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, 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, 7,560 ft<sup>3</sup>/s, June 14, gage height, 8.67; minimum discharge, 2.3 ft<sup>3</sup>/s, Oct. 4, gage height, 0.76 ft.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	1,860	139	550	960	454	721	51	953	812	9.8	10
2	16	1,390	19	516	1,010	451	476	175	955	876	9.7	35
3	15	1,180	17	471	821	453	448	243	974	772	9.7	59
4	13	1,010	16	396	757	468	460	182	876	824	9.7	47
5	14	900	15	425	610	454	464	169	808	814	9.7	22
6	13	692	15	478	617	283	443	147	893	810	9.7	11
7	9.1	703	14	452	538	84	450	109	859	797	9.6	11
8	11	565	14	460	344	71	414	58	865	430	9.7	11
9	8.4	433	14	461	485	42	96	52	843	24	206	11
10	6.8	360	15	456	496	35	357	28	882	11	73	10
11	7.4	392	21	438	504	200	1,000	20	2,180	10	37	9.4
12	7.9	352	34	479	448	1,300	1,780	14	2,530	10	13	8.6
13	7.3	404	33	596	441	2,640	2,230	14	2,770	11	208	7.7
14	8.7	965	29	629	520	2,350	1,650	14	7,150	10	107	9.6
15	9.3	805	31	1,020	429	1,510	1,350	14	5,870	10	45	11
16	9.7	594	30	1,400	440	1,290	1,230	14	2,700	9.2	32	10
17	13	558	31	1,260	563	1,120	1,270	14	1,680	9.7	22	10
18	12	460	79	983	410	e1,000	1,190	14	1,440	11	13	10
19	11	450	255	867	466	e950	1,060	14	1,220	11	13	9.9
20	3,170	450	464	693	429	e910	3,000	14	1,080	11	13	9.9
21	1,560	397	888	821	467	884	2,250	15	917	8.2	13	10
22	1,100	401	3,720	691	183	911	1,570	e55	874	8.2	12	10
23	879	316	1,990	461	11	845	1,250	69	848	9.8	11	10
24	852	318	1,430	389	14	840	1,200	57	662	8.5	11	10
25	724	331	1,100	497	45	890	1,040	346	443	9.6	10	10
26	573	325	987	467	96	862	924	618	448	9.9	11	10
27	114	169	1,040	410	506	885	895	622	548	9.8	67	10
28	17	349	948	419	512	799	920	864	950	10	50	10
29	46	218	848	488	---	820	497	980	933	10	32	10
30	4,480	183	773	617	---	917	54	2,590	786	9.8	21	10
31	4,170	---	707	566	---	793	---	1,530	---	9.8	19	---
<b>Total</b>	17,888.6	17,530	15,716	18,856	13,122	25,511	30,689	9,106	44,937	6,376.5	1,116.6	423.1
<b>Mean</b>	577	584	507	608	469	823	1,023	294	1,498	206	36.0	14.1
<b>Max</b>	4,480	1,860	3,720	1,400	1,010	2,640	3,000	2,590	7,150	876	208	59
<b>Min</b>	6.8	169	14	389	11	35	54	14	443	8.2	9.6	7.7

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2013, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	266	346	471	423	361	977	1,316	599	335	83.6	97.1	167
<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 2012		Water Year 2013		Water Years 1971 - 2013	
<b>Annual total</b>	129,915.1		201,271.8			
<b>Annual mean</b>	355		551		452	
<b>Highest annual mean</b>					1,258	2011
<b>Lowest annual mean</b>					21.7	1985
<b>Highest daily mean</b>	4,480	Oct 30	7,150	Jun 14	46,600	Aug 28, 2011
<b>Lowest daily mean</b>	3.2	Sep 4	6.8	Oct 10	0.00	Oct 15, 1972
<b>Annual seven-day minimum</b>	3.4	Sep 3	8.0	Oct 9	0.00	Oct 15, 1972
<b>10 percent exceeds</b>	882		1,220		1,180	
<b>50 percent exceeds</b>	100		410		43	
<b>90 percent exceeds</b>	5.0		10		5.6	

