01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°19′10″, long 74°26′13″ referenced to North American Datum of 1927, Greene County, NY, Hydrologic Unit 02020005, on left bank 100 ft upstream from bridge on State Highway 23 in Prattsville, 0.2 mi upstream from Schoharie Reservoir, 0.2 mi downstream from Huntersfield Creek, and 1.6 mi downstream from Batavia Kill.

DRAINAGE AREA.--237 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1902 to current year.

REVISED RECORDS.--WSP 1432: 1937-38. WDR NY-87-1: 1956(M), 1972(M), 1974-76(M), 1978(P), 1979(M), 1980(P), 1981(M), 1984(M). WDRNY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 1,131.57 ft above NGVD of 1929. Prior to Oct. 1, 1915, nonrecording gage, and Oct. 1, 1915 to July 17, 1936, water-stage recorder, at old highway bridge 80 ft upstream, and July 18, 1936 to July 15, 1954, water-stage recorder at site 0.2 mi downstream, all at datum 1.56 ft lower than present datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Seasonal diversion for snowmaking by Hunter Mountain ski area near Tannersville and Ski Windham ski area at Windham. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,800 ft^3/s, Jan. 19, 1996, gage height, 19.39 ft, from rating curve extended above 18,000 ft^3/s on basis of contracted-opening measurements of peak flow at gage heights 18.37 ft and 19.14 ft; maximum gage height, 19.57 ft, Mar. 5, 1979 (ice jam); minimum discharge not determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 27	1745	7,420	8.41
Nov 15	1530	4,560	6.96
Dec 24	0000	11,900	10.25
Feb 7	0515	5,490	7.45
Feb 18	1215	6,320	7.88
Mar 5	1230	*14,900	*11.28
Mar 8	2115	12,400	10.42
Jul 27	1630	4,480	6.93

Minimum discharge, 35 ft^3/s, July 20, gage height, 2.33 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	85	572	475	626	e302	341	1,880	397	130	79	267	57
2	77	487	429	573	1,090	308	1,920	353	110	76	229	53
3	73	424	577	e484	798	320	1,160	347	94	74	253	50
4	69	381	500	e451	652	774	1,170	435	95	68	197	47
5	66	340	421	e443	1,040	9,150	1,510	385	93	62	168	44
6	60	600	365	e518	3,210	3,250	1,170	325	108	58	154	66
7	62	530	352	e921	3,930	1,830	967	293	131	55	136	248
8	67	407	303	1,710	1,830	6,060	856	272	104	52	118	124
9	327	355	268	2,370	1,220	4,960	802	262	91	50	107	158
10	334	343	267	1,720	951	1,890	800	268	83	54	102	215
11	248	324	269	1,670	e717	1,310	778	235	89	47	177	133
12	671	300	547	1,490	e675	1,040	894	215	80	44	197	116
13	532	330	453	1,060	e1,970	815	838	197	71	48	142	108
14	353	330	416	899	e1,760	706	679	182	66	91	122	111
15	283	2,390	352	768	e1,000	819	575	172	227	61	240	110
16	240	1,980	e310	632	805	795	506	179	150	51	321	92
17	208	1,120	e388	541	681	626	453	277	138	45	246	83
18	189	815	e341	e488	3,880	544	417	243	117	41	195	81
19	189	662	e329	e430	2,190	634	389	221	100	40	180	73
20	1,900	764	e323	e380	1,220	2,300	369	191	90	42	151	68
21	807	779	e304	e326	845	1,230	348	178	85	65	128	65
22	540	681	270	e309	686	897	317	177	88	55	114	98
23	442	621	1,750	e304	624	731	295	169	119	322	100	81
24	589	516	5,150	e296	560	627	277	155	125	2,450	93	71
25	600	471	1,710	e283	495	547	258	145	98	1,170	88	67
26	495	592	1,120	e268	464	527	239	132	85	519	83	229
27	2,480	1,040	896	e255	449	488	239	125	78	2,190	75	504
28	2,240	745	775	e255	362	675	257	116	75	1,480	70	353
29	1,160	636	891	e250	327	651	806	106	72	700	68	594
30	851	554	862	e337	---	512	525	99	84	458	67	485
31	679	---	735	e345	---	989	---	102	---	341	62	---
Total	16,916	20,089	22,148	21,402	34,733	46,346	21,694	6,953	3,076	10,888	4,650	4,584
Mean	546	670	714	690	1,198	1,495	723	224	103	351	150	153
Max	2,480	2,390	5,150	2,370	3,930	9,150	1,920	435	227	2,450	321	594
Min	60	300	267	250	302	308	239	99	66	40	62	44
Cfsm	2.30	2.83	3.01	2.91	5.05	6.31	3.05	0.95	0.43	1.48	0.63	0.64
In.	2.66	3.15	3.48	3.36	5.45	7.27	3.41	1.09	0.48	1.71	0.73	0.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	328	500	539	488	454	875	1,104	585	315	161	126	196
Max	2,496	1,526	1,723	2,210	1,711	2,805	3,023	1,738	1,887	981	1,190	1,314
(WY)	(1956)	(1928)	(1974)	(1978)	(1981)	(1936)	(1958)	(1989)	(2006)	(1935)	(1955)	(2004)
Min	8.50	17.7	72.5	49.2	39.0	224	264	84.2	37.9	11.1	10.6	6.15
(WY)	(1965)	(1965)	(1923)	(1931)	(1931)	(2006)	(1946)	(1905)	(1964)	(1965)	(1964)	(1964)

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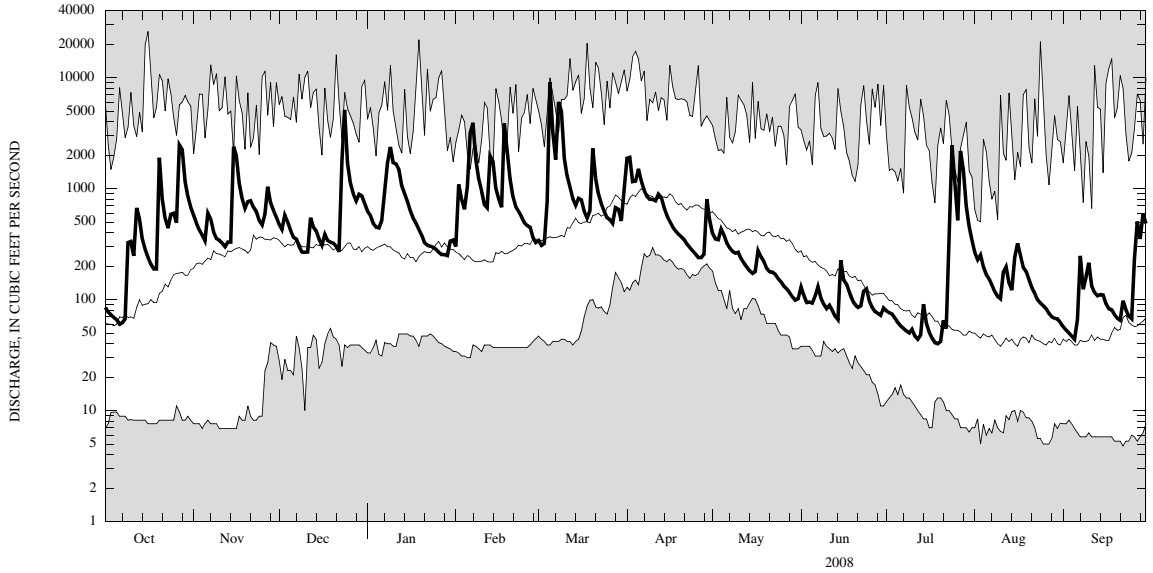
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1903 - 2008	
Annual total	218,161		213,479			
Annual mean	598		583		474	
Highest annual mean					873	1978
Lowest annual mean					202	1985
Highest daily mean	13,000	Apr 16	9,150	Mar 5	26,200	Oct 16, 1955
Lowest daily mean	35	Sep 7	40	Jul 19	4.8	Sep 22, 1964
Annual seven-day minimum	38	Sep 2	48	Jul 16	5.3	Sep 18, 1964
Annual runoff (cfsm)	2.52		2.46		2.00	
Annual runoff (inches)	34.24		33.51		27.18	
10 percent exceeds	1,270		1,220		1,060	
50 percent exceeds	323		330		230	
90 percent exceeds	64		70		31	



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.