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 26	0000	*11,500	*10.10
Dec 12	0645	9,000	9.11
Jun 21	0700	6,400	7.92
Jul 30	0415	8,530	8.91
Jul 31	1615	9,530	9.33

Minimum discharge, 78 ft^3/s, Oct. 25, gage height, 2.57 ft.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	453	1,610	786	e661	e154	e631	468	262	311	765	3,140	202
2	401	1,510	719	e659	e150	e439	428	268	273	608	1,700	174
3	323	1,190	497	e614	e147	e377	776	248	247	640	1,300	158
4	260	1,270	442	e521	e140	e353	1,600	228	225	517	893	144
5	219	1,330	427	e491	e136	e343	894	217	207	408	684	134
6	195	1,360	355	e454	e134	e379	752	246	195	340	539	124
7	181	1,890	327	e434	e179	e735	815	323	177	315	438	123
8	161	1,250	298	e464	e350	1,340	659	310	165	361	360	109
9	153	978	332	e354	e432	3,010	565	293	191	299	316	103
10	144	781	636	e338	e349	1,870	499	408	186	252	351	97
11	128	644	870	e326	e505	1,410	635	312	166	234	309	107
12	120	547	4,690	e315	e874	1,130	544	276	208	703	254	480
13	114	496	1,790	e307	e653	832	461	255	229	385	251	406
14	108	506	1,150	e301	e481	718	423	252	620	287	220	269
15	101	564	1,210	e297	e392	634	386	319	635	241	198	208
16	101	1,430	1,420	e284	e337	565	352	277	796	225	176	174
17	102	844	1,130	e274	e306	513	324	695	478	251	160	156
18	96	648	958	e266	e295	484	305	528	1,460	1,300	146	145
19	91	526	767	e257	e290	526	291	421	1,490	555	169	134
20	87	445	680	e245	e267	502	274	357	1,220	401	149	125
21	92	392	616	e230	e286	433	443	308	4,850	339	246	115
22	89	e340	e521	e221	e255	400	625	268	2,390	345	363	109
23	84	e327	e479	e211	e223	352	510	239	1,380	300	395	107
24	81	e315	e902	e201	e206	315	422	240	975	307	357	108
25	1,090	445	2,620	e193	e199	308	371	220	794	1,300	248	102
26	3,880	455	1,270	e188	e224	302	343	192	878	973	199	95
27	1,150	358	1,600	e182	e483	309	326	445	850	708	172	116
28	1,720	314	2,980	e176	e1,010	295	311	398	788	505	156	221
29	1,370	289	2,080	e181	---	328	290	623	583	867	275	184
30	963	269	1,340	e170	---	767	269	486	570	5,050	418	154
31	876	---	977	e163	---	582	---	378	---	4,490	260	---
Total	14,933	23,323	34,869	9,978	9,457	21,182	15,361	10,292	23,537	24,271	14,842	4,883
Mean	482	777	1,125	322	338	683	512	332	785	783	479	163
Max	3,880	1,890	4,690	661	1,010	3,010	1,600	695	4,850	5,050	3,140	480
Min	81	269	298	163	134	295	269	192	165	225	146	95
Cfsm	2.03	3.28	4.75	1.36	1.43	2.88	2.16	1.40	3.31	3.30	2.02	0.69
In.	2.34	3.66	5.47	1.57	1.48	3.32	2.41	1.62	3.69	3.81	2.33	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	329	503	544	486	453	873	1,099	582	320	167	129	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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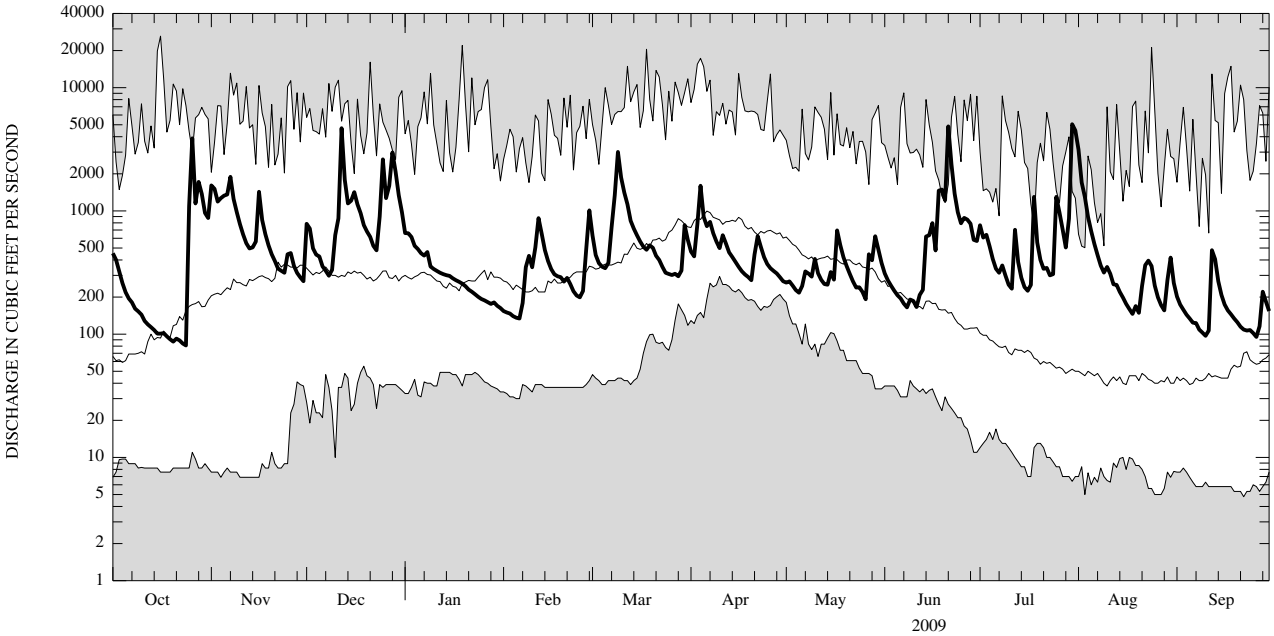
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1903 - 2009	
Annual total	227,451		206,928			
Annual mean	621		567		475	
Highest annual mean					873	1978
Lowest annual mean					202	1985
Highest daily mean	9,150	Mar 5	5,050	Jul 30	26,200	Oct 16, 1955
Lowest daily mean	40	Jul 19	81	Oct 24	4.8	Sep 22, 1964
Annual seven-day minimum	48	Jul 16	89	Oct 18	5.3	Sep 18, 1964
Annual runoff (cfsm)	2.62		2.39		2.00	
Annual runoff (inches)	35.70		32.48		27.24	
10 percent exceeds	1,440		1,260		1,060	
50 percent exceeds	327		351		230	
90 percent exceeds	74		146		32	



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.