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). WDR NY-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 good 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 08	2015	9,240	9.51
Oct 13	1215	8,060	9.02
Oct 25	1515	6,450	8.28
Nov 30	0415	*19,900	*12.93
Dec 30	0315	5,450	7.44
Jan 14	1400	4,580	6.97
Jan 18	1445	18,200	12.45
Apr 23	1545	4,610	6.99
May 12	1300	6,800	8.15
Jun 07	2130	6,040	7.76
Jun 26	1815	19,100	12.70

Minimum discharge, 13 ft^3/s, Oct 5, 6, 7, gage height, 2.01 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	1,080	2,800	1,030	691	e160	195	374	798	1,220	121	301
2	20	1,200	1,630	827	568	e150	226	338	1,810	879	104	249
3	17	996	1,130	776	1,420	e150	212	315	2,230	711	93	804
4	16	833	872	653	1,480	e150	639	287	2,550	1,020	91	641
5	14	732	729	611	2,070	e140	593	262	1,620	713	83	429
6	14	654	620	566	1,430	e150	461	237	1,100	539	75	377
7	15	690	544	472	1,030	e160	424	219	1,890	439	74	313
8	2,470	563	463	452	799	e150	491	200	3,510	371	65	255
9	2,700	493	e420	447	652	e140	429	183	2,120	322	55	224
10	803	739	e400	509	551	226	391	174	1,790	275	50	204
11	462	598	386	558	492	239	361	171	1,280	364	48	170
12	773	501	349	1,930	450	196	340	3,340	987	303	45	147
13	4,890	449	e300	1,220	e420	248	336	3,820	787	302	42	136
14	3,240	410	e300	3,000	e390	747	350	1,520	897	250	40	201
15	4,280	397	e310	2,610	383	516	397	1,150	1,000	216	40	1,390
16	1,860	622	e330	e1,300	384	366	351	1,740	680	216	38	791
17	1,110	1,600	e400	e950	464	306	318	1,610	604	172	37	545
18	793	960	e330	7,980	385	254	294	1,110	562	144	34	433
19	604	765	e280	3,990	295	243	273	990	456	129	35	356
20	482	665	e270	2,030	e290	221	252	786	460	116	413	327
21	403	587	e270	1,410	e280	196	230	702	379	104	182	276
22	486	770	e270	1,070	273	199	280	749	313	156	104	235
23	2,940	787	e260	920	267	187	2,240	578	273	269	81	243
24	1,790	590	e260	804	241	183	1,860	494	420	167	68	239
25	4,420	507	339	698	305	194	1,150	428	397	125	76	207
26	3,020	462	1,060	580	e260	201	846	401	7,940	103	95	177
27	1,830	400	822	474	e220	189	679	477	5,400	95	103	157
28	1,320	504	550	494	e190	178	558	387	8,780	217	121	142
29	1,080	832	696	495	---	172	477	325	3,720	321	604	309
30	1,020	9,040	3,230	633	---	169	420	490	1,870	202	779	345
31	1,110	---	1,400	779	---	170	---	1,140	---	148	422	---
Total	44,003	29,426	22,020	40,268	16,680	6,950	16,073	24,997	56,623	10,608	4,218	10,623
Mean	1,419	981	710	1,299	596	224	536	806	1,887	342	136	354
Max	4,890	9,040	3,230	7,980	2,070	747	2,240	3,820	8,780	1,220	779	1,390
Min	14	397	260	447	190	140	195	171	273	95	34	136
Cfsm	5.99	4.14	3.00	5.48	2.51	0.95	2.26	3.40	7.96	1.44	0.57	1.49
In.	6.91	4.62	3.46	6.32	2.62	1.09	2.52	3.92	8.89	1.67	0.66	1.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	321	493	539	485	450	864	1,099	590	317	159	126	198
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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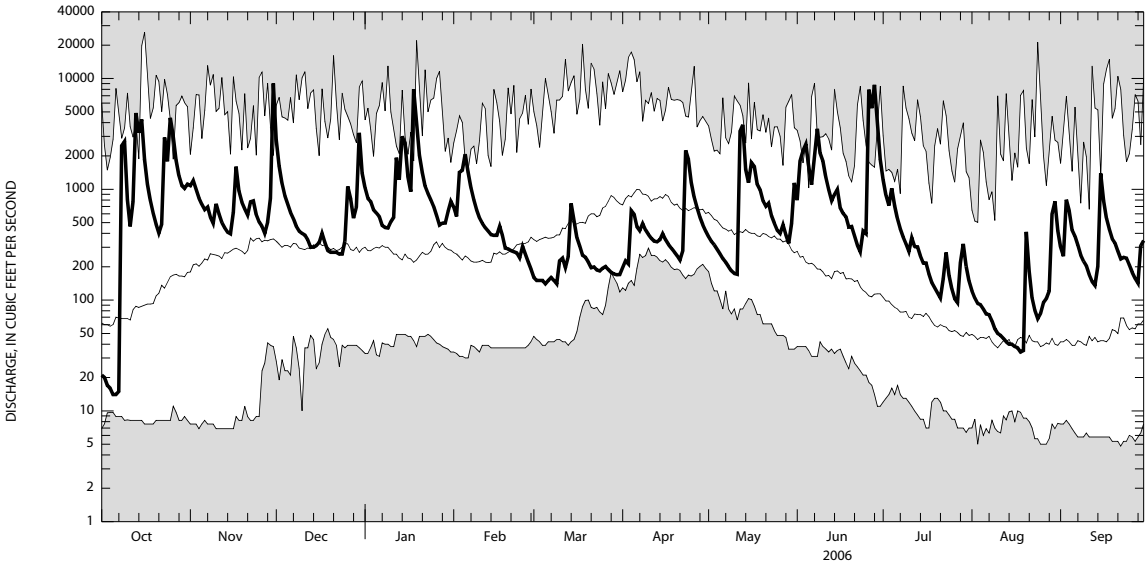
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1903 - 2006	
Annual total	233,169		282,489			
Annual mean	639		774		472	
Highest annual mean					873	1978
Lowest annual mean					202	1985
Highest daily mean	15,500	Apr 3	9,040	Nov 30	26,200	Oct 16, 1955
Lowest daily mean	11	Sep 25	14	Oct 5	4.8	Sep 22, 1964
Annual seven-day minimum	13	Sep 20	17	Oct 1	5.3	Sep 18, 1964
Annual runoff (cfsm)	2.70		3.27		1.99	
Annual runoff (inches)	36.60		44.34		27.04	
10 percent exceeds	1,220		1,790		1,050	
50 percent exceeds	300		420		227	
90 percent exceeds	22		121		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.