01350000 SCHOHARIE CREEK AT PRATTSVILLE, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°19′10″, long 74°26′12″ referenced to North American Datum of 1983, 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. WDR-US-2012: 2011.

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.

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, 120,000 ft^3/s, Aug. 28, 2011, gage height, 24.38 ft, from floodmark in adjacent gage house, from rating curve extended above 18,000 ft^3/s on basis of contracted-opening measurements at gage heights 18.37 ft and 19.14 ft and slope-area measurement at gage height 24.38 ft; 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 19	1930	11,300	10.65
Oct 29	2215	8,640	9.66
Dec 21	1345	*14,600	*11.69
Mar 12	1800	11,300	10.65
Jun 14	0400	7,080	8.99

Minimum discharge, 42 ft^3/s, Aug. 25, 26, Sept. 30, gage height, 2.97 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01350000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01350000.2013.pdf

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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	326	1,640	222	492	1,080	389	657	383	789	421	67	95
2	282	1,200	225	e464	725	307	625	349	625	633	72	123
3	265	968	266	e428	595	271	480	323	685	497	77	172
4	283	810	253	e399	e539	249	419	301	494	361	68	132
5	551	691	258	e399	e498	243	456	281	396	285	59	92
6	417	576	230	e383	e440	230	506	256	343	235	53	78
7	347	507	220	350	e412	222	475	240	403	201	49	62
8	311	463	280	e326	e372	219	598	238	1,120	180	50	59
9	281	418	327	e310	e372	e206	1,010	289	713	165	317	54
10	263	380	330	e301	e329	e233	1,830	280	736	157	492	57
11	279	349	456	312	e360	e333	2,010	282	2,750	155	232	88
12	254	322	396	393	e376	4,370	1,830	386	1,700	131	159	168
13	230	693	359	674	e329	3,420	1,640	316	2,910	121	177	249
14	219	741	340	1,700	e301	1,640	1,230	278	5,750	117	182	166
15	213	551	335	1,430	e288	1,130	993	256	2,690	107	131	120
16	222	482	320	1,070	e275	897	907	240	1,460	95	104	101
17	208	436	331	874	e240	718	1,040	212	1,110	84	89	88
18	190	404	1,150	694	e201	575	910	195	1,020	76	79	77
19	3,440	380	935	682	e208	559	909	185	834	71	74	71
20	3,180	362	690	607	e208	508	2,890	180	623	65	67	64
21	1,380	345	5,270	528	e190	450	1,560	172	509	60	61	57
22	943	324	2,970	e424	e182	420	1,160	228	415	56	56	68
23	758	310	1,600	e333	e180	397	962	222	337	808	52	80
24	709	304	1,160	e281	e184	370	835	363	286	280	47	64
25	606	280	942	e270	e174	372	732	1,340	254	152	44	57
26	507	264	786	e267	e170	362	614	1,390	227	109	43	53
27	450	255	766	e251	247	352	537	813	199	88	116	49
28	409	244	688	e244	485	361	485	619	1,360	95	111	47
29	2,030	229	578	e340	---	340	447	1,040	607	101	78	44
30	5,010	226	535	e627	---	344	421	2,160	419	84	64	43
31	2,650	---	518	2,140	---	406	---	1,110	---	72	62	---
Total	27,213	15,154	23,736	17,993	9,960	20,893	29,168	14,927	31,764	6,062	3,332	2,678
Mean	878	505	766	580	356	674	972	482	1,059	196	107	89.3
Max	5,010	1,640	5,270	2,140	1,080	4,370	2,890	2,160	5,750	808	492	249
Min	190	226	220	244	170	206	419	172	199	56	43	43
Cfsm	3.70	2.13	3.23	2.45	1.50	2.84	4.10	2.03	4.47	0.83	0.45	0.38
In.	4.27	2.38	3.73	2.82	1.56	3.28	4.58	2.34	4.99	0.95	0.52	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	349	503	554	490	448	893	1,096	582	322	166	144	210
Max	2,496	1,526	1,723	2,210	1,711	2,805	3,023	1,738	1,887	981	1,803	1,839
(WY)	(1956)	(1928)	(1974)	(1978)	(1981)	(1936)	(1958)	(1989)	(2006)	(1935)	(2011)	(2011)
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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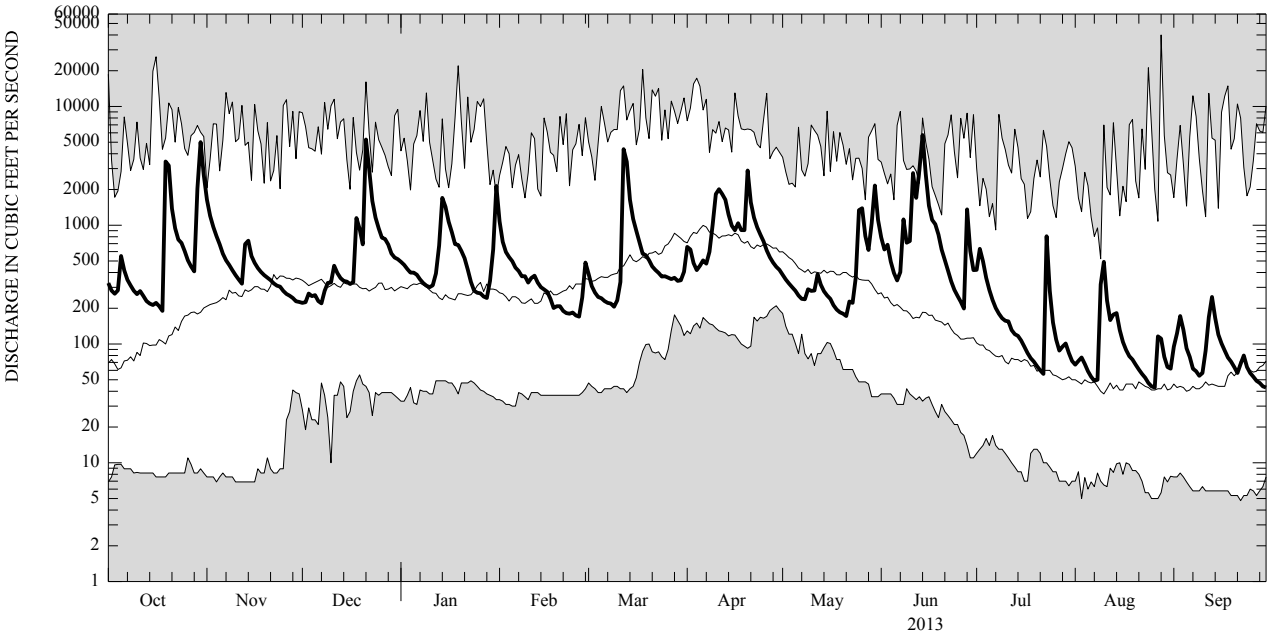
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1903 - 2013	
Annual total	145,763		202,880			
Annual mean	398		556		482	
Highest annual mean					1,030	2011
Lowest annual mean					202	1985
Highest daily mean	5,270	Dec 21	5,750	Jun 14	40,000	Aug 28, 2011
Lowest daily mean	23	Aug 9	43	Aug 26	4.8	Sep 22, 1964
Annual seven-day minimum	27	Jul 8	51	Sep 24	5.3	Sep 18, 1964
Annual runoff (cfsm)	1.68		2.35		2.03	
Annual runoff (inches)	22.88		31.84		27.61	
10 percent exceeds	744		1,150		1,070	
50 percent exceeds	257		333		235	
90 percent exceeds	31		73		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.