01349950 BATAVIA KILL AT RED FALLS NEAR PRATTSVILLE, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°18′30″, long 74°23′25″ referenced to North American Datum of 1927, Greene County, NY, Hydrologic Unit 02020005, on right bank 200 ft southwest of State Highway 23 at Red Falls, 1.9 mi upstream from mouth, and 2.2 mi southeast of Prattsville.

DRAINAGE AREA.--68.6 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,260 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated to some extent at high flows by three flood-retardation reservoirs, combined drainage area of 19.2 mi^2. Seasonal diversion for snowmaking by Ski Windam ski area at Windham. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s, Sept. 17, 1999, gage height, 10.08 ft, outside gage height, about 11.5 ft, from floodmark, from rating curve extended above 2,600 ft^3/s on basis of step-backwater analysis of peak flow; minimum discharge, 1.7 ft^3/s, Sept. 8, 2007, gage height, 1.52 ft; minimum gage height, 1.48 ft, Aug. 12, 13, 1999.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 19, 1996, reached a stage of about 11.4 ft, from floodmark, discharge, 16,400 ft^3/s, on basis of step-backwater analysis of peak flow.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,390 ft^3/s, Mar. 5, gage height, 5.55 ft; minimum discharge, 3.3 ft^3/s, July 19, gage height, 1.59 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	22	162	143	184	119	e100	423	87	36	13	57	7.9
2	19	139	127	165	304	e98	383	82	26	11	48	7.1
3	17	124	177	e120	183	e96	253	86	20	11	58	6.4
4	15	113	161	e116	110	225	269	118	20	9.7	48	5.9
5	14	102	130	e115	241	2,060	342	99	20	8.7	39	5.3
6	12	130	112	166	824	888	272	83	29	7.7	34	12
7	11	119	99	235	775	458	239	76	35	6.9	29	55
8	14	98	99	452	423	1,360	219	71	25	6.4	24	29
9	236	89	92	544	314	1,160	202	69	20	5.5	21	32
10	185	87	94	392	e260	442	194	71	17	5.0	20	36
11	126	83	91	413	e188	326	185	62	18	4.4	53	25
12	323	76	169	366	e174	276	215	56	15	4.2	44	20
13	226	84	148	277	495	225	188	52	13	6.2	30	20
14	153	81	129	251	486	196	166	48	11	18	23	25
15	120	478	108	224	287	237	148	45	34	8.2	42	25
16	99	436	e107	188	219	228	134	47	29	5.7	79	19
17	85	272	e104	163	186	180	124	74	32	4.6	54	16
18	76	215	e103	164	873	159	117	65	26	4.2	40	13
19	76	184	e103	145	482	188	108	59	21	4.1	40	12
20	362	239	105	119	297	587	98	51	18	5.3	35	11
21	203	252	93	108	e214	296	93	46	16	11	27	10
22	151	219	88	e106	e197	226	90	45	19	8.9	23	10
23	129	204	258	e105	e184	190	81	43	23	43	20	8.8
24	172	170	933	e104	e160	168	76	38	24	344	18	7.7
25	168	156	374	e103	149	150	71	35	19	188	16	7.1
26	138	173	279	e102	139	146	66	31	16	95	14	18
27	402	297	242	e99	134	136	69	29	14	305	12	56
28	449	214	219	e94	114	166	73	26	13	290	11	45
29	275	183	242	100	e105	156	134	24	12	144	9.9	94
30	221	164	237	129	---	134	106	22	15	96	10	91
31	185	---	212	119	---	183	---	24	---	73	9.0	---
Total	4,684	5,343	5,578	5,968	8,636	11,440	5,138	1,764	636	1,747.7	987.9	730.2
Mean	151	178	180	193	298	369	171	56.9	21.2	56.4	31.9	24.3
Max	449	478	933	544	873	2,060	423	118	36	344	79	94
Min	11	76	88	94	105	96	66	22	11	4.1	9.0	5.3

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	112	138	139	157	122	241	281	150	144	40.1	35.9	91.3
Max	310	252	363	299	298	393	586	403	458	112	149	309
(WY)	(2006)	(2007)	(2004)	(2006)	(2008)	(2003)	(2007)	(1998)	(2006)	(2006)	(2004)	(1999)
Min	6.56	5.91	11.3	25.7	23.1	72.3	128	56.9	18.5	11.9	5.53	3.11
(WY)	(1998)	(2002)	(1999)	(2002)	(2007)	(2006)	(2006)	(2008)	(1999)	(2001)	(1999)	(2005)

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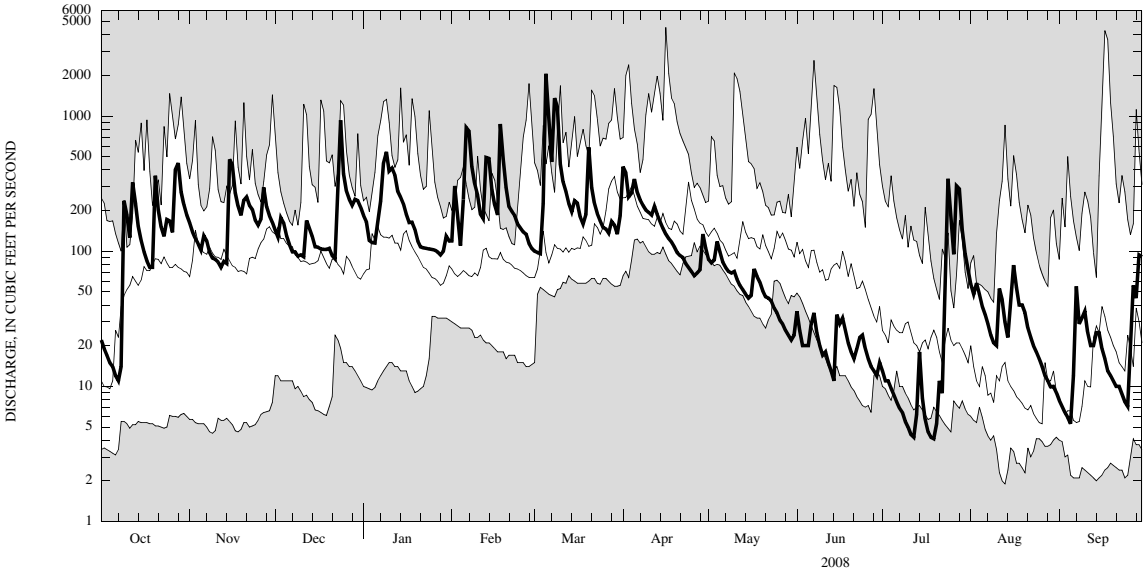
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1998 - 2008	
Annual total	56,378.4		52,652.8			
Annual mean	154		144		137	
Highest annual mean					189	2006
Lowest annual mean					58.8	2002
Highest daily mean	4,540	Apr 16	2,060	Mar 5	4,540	Apr 16, 2007
Lowest daily mean	2.1	Sep 6	4.1	Jul 19	1.9	Aug 13, 1999
Annual seven-day minimum	2.6	Sep 2	5.5	Jul 7	2.2	Sep 10, 2005
10 percent exceeds	314		297		280	
50 percent exceeds	87		99		79	
90 percent exceeds	11		11		6.9	



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.